



**KASHI INSTITUTE OF PHARMACY**

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# **COURSE FILE**

**ON**

## **Human Anatomy & Physiology-I (BP101T)**

**Year/Semester – 1<sup>st</sup> / 1<sup>st</sup> (Odd)**

**By**

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**Assistant Professor**

**Kashi Institute of Pharmacy, Mirzamurad**

**Varanasi**

**2022- 2023**





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## I. INSTITUTION VISION, MISSION AND QUALITY POLICY

### VISION STATEMENT

"Empowering Future Pharmacists for Excellence and Innovation in Healthcare"  
Kashi Institute of Pharmacy aims to foster a culture of innovation among its students and faculty, encouraging them to explore new ideas, technologies, and practices that contribute to the advancement of pharmacy and healthcare as a whole.

### MISSION STATEMENT

"Enriching Education, Advancing Healthcare: Our mission at Kashi Institute of Pharmacy is to provide a transformative learning experience that prepares aspiring pharmacists to excel in a dynamic healthcare landscape. Through rigorous academic programs, innovative research, and community engagement, we are committed to fostering compassionate, skilled, and ethical pharmacy professionals who positively impact patient well-being and contribute to the evolution of healthcare practices."

- 1. Enriching Education:** Kashi Institute of Pharmacy is dedicated to offering an education that goes beyond traditional learning, focusing on holistic development and providing students with the tools they need to succeed in their careers.
- 2. Advancing Healthcare:** The mission highlights Kashi Institute of Pharmacy's commitment to contributing to the improvement and progress of healthcare through the education and training of future pharmacists.
- 3. Innovative Research:** Kashi Institute of Pharmacy's dedication to research indicates its aspiration to be at the forefront of pharmacy-related advancements, contributing to the expansion of knowledge and innovation within the field.
- 4. Community Engagement:** The mission underscores the importance of connecting with and serving the community, emphasizing the role of pharmacists as healthcare providers who directly impact patient well-being.

### QUALITY POLICY

Quality education is institutions motto and institute is committed to excellence in quality in their technical profession







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## 2. PROGRAM EDUCATIONAL OBJECTIVES, PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

### DEFINITIONS:

#### Program Educational Objectives (PEOs):

Program educational objectives are broad statements that describe the career and professional accomplishments that the program is preparing graduates to achieve.

#### Program Outcomes (POs):

Program outcomes describe what students are expected to know and would be able to do by the time of graduation. This is related to the behavior, knowledge and skills of the students that acquire as they progress through the program.

#### Program Specific Outcomes (PSOs):

Program Specific Outcomes are statements that describe what the students of a specific program should be able to do.







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## STATEMENTS OF PEOs, POs AND PSOs

### PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

#### PEO1 - PROFICIENT DEVELOPMENT

To develop in the students the capacity to obtain knowledge on Science and Pharmaceutical Science and apply it expertly inside sensible requirements, for example, financial, natural, social, political, moral, wellbeing and security, manufacturability and manageability with due moral obligation.

#### PEO2-CORE PROFICIENCY

To provide ability to recognize, plan, appreciate formulate, comprehend, analyze, design and solve Pharmaceutical problems with hands on experience in different advancement involving modern tools necessary for pharmacy practice to fulfill the necessities of society and the Pharmaceutical industry.

#### PEO3 - SPECIALISED ACHIEVEMENT

To furnished the students with the capacity to explore, reenact, design, simulate, experiment, analyze, optimize and interpret in their core applications through multi disciplinary ideas and contemporary figuring out how to incorporate them into industry prepared graduates.

#### PEO4 - PROFESSIONALISM

To provide training, exposure and awareness on importance of soft skills for better career and holistic personality development as well as professional attitude towards ethical issues, team work, responsibility, accountability, multidisciplinary approach and capability to relate pharmaceutical engineering issues to broader social context. To provide the required training in all aspects to the graduates to work as a health care professional in community and hospital pharmacies.

#### PEO5 - LEARNING ENVIRONMENT

To furnish students with an academic environment and make them mindful of greatness, foster the desire of revelation, imagination, creativity, authority, composed moral codes and rules and the long lasting figuring out how to turn into an effective expert in pharmacy field.





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## THE PROCESS FOR ESTABLISHING THE PEO'S

The PEOs are established through the following process steps:

**STEP 1:** Vision and Mission of the Institute & Department are taken into consideration to interact with various stake holders, and establish the PEO's

**STEP 2:** The Head of the Department, Program Coordinator and other Senior Faculty prepares the draft version of PEOs and POs.

**STEP 3:** The draft rendition is examined with partners and their perspectives are gathered by the Program co-ordinator

**STEP 4:** The Program Assessment Committee surveys and dissects the PEOs and POs and presents its recommendations to the Departmental advisory Board.

**STEP 5:** The Departmental advisory Board deliberates on the recommendations and freezes the PEOs and POs and submits them to the BOG for final approval. The Program curriculum is planned by integrating inputs from members of Board of Studies and Academic council who are drawn from various academic institutions, R&D associations and industry





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## Programme Outcomes (POs)

Programme Outcomes (POs)	
PO1	<b>Pharmacy Knowledge:</b> Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.
PO2	<b>Planning Abilities:</b> Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.
PO3	<b>Problem analysis:</b> Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.
PO4	<b>Modern tool usage:</b> Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
PO5	<b>Design /development of Solutions:</b> Pharmacy graduates will be able to design and Innovate solution to pharmacy problems by applying appropriate tools while keeping in mind safety and ethical factor for environmental & society.
PO6	<b>Leadership skills:</b> Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfilment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.
PO7	<b>Professional Identity:</b> Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).







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PO8	<b>Pharmaceutical Ethics:</b> Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.
PO9	<b>Communication:</b> Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.
PO10	<b>The Pharmacist and society:</b> Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.
PO11	<b>Environment and sustainability:</b> Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO12	<b>Life-long learning:</b> Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-access and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.





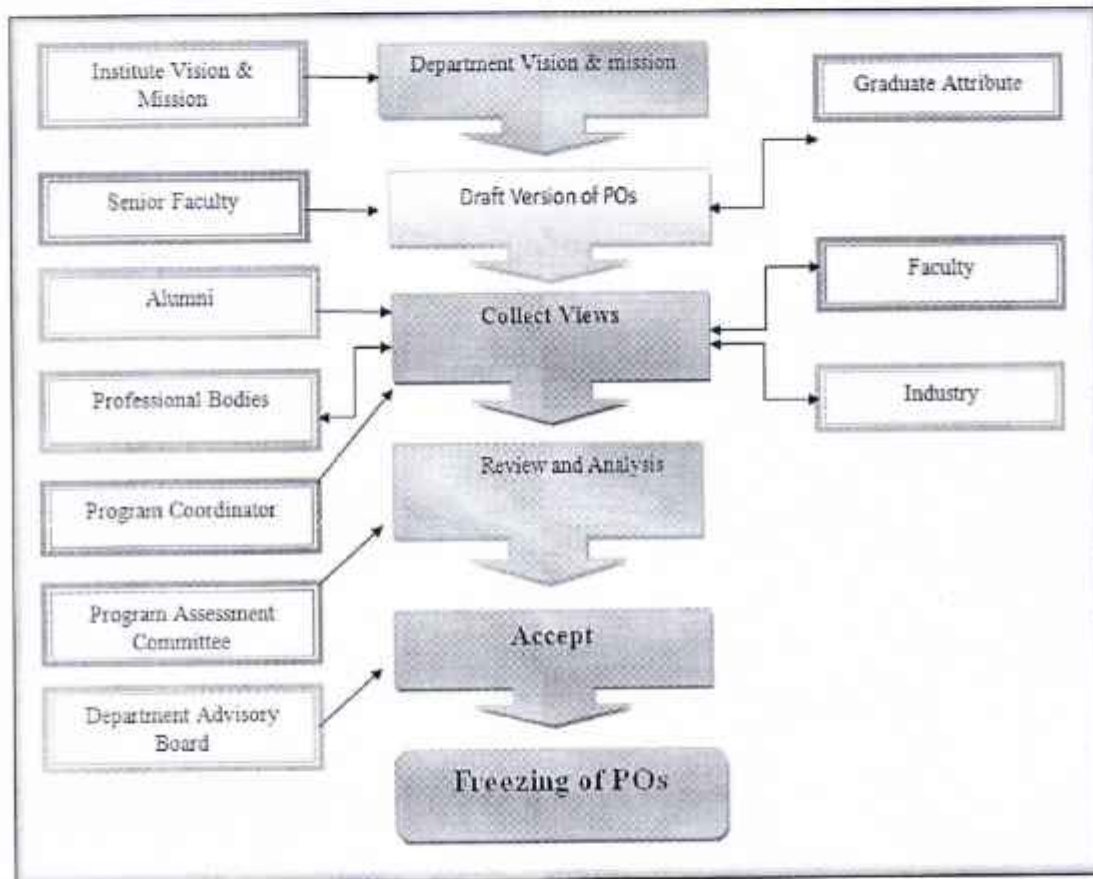
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## PROCESS TO DEFINE PROGRAM OUTCOMES (POs) OF THE DEPARTMENT





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## PROGRAM SPECIFIC OUTCOMES (PSOs)

The graduates of the department will attain

PSO1	Pharmacy graduates obtain position in successful career in pharmaceutical industry, research institutions, academic, government organizations and entrepreneurship.
PSO2	Perform research on various medical aspects and implement the Pharmaceutical knowledge in formulating the best suitable dosage form to provide high quality medicines to the society.
PSO3	Render the services to the public by providing patient centric effective treatments to curb the therapeutic issues with the required medicines and explain the effects of the drugs by analyzing the scientific literature for improving their health and well-being.







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Date:- 04/07/2022

## ACADEMIC POLICY

1. **Academic Calendar:** Academic calendar of Kashi Institute of Pharmacy will strictly be in line with AKTU calendar.
2. **Faculty Feedback from Students and eligibility criteria:**
  - ❖ 1<sup>st</sup> Feedback: Taken by Faculty, within 10 working days from commencement of classes with 65% Attendance criteria.
  - ❖ 2<sup>nd</sup> Feedback: Taken by HOD, on or before 20 working days from commencement of classes with 75% Attendance criteria.
  - ❖ 3<sup>rd</sup> Feedback: Taken by Director, on or before 30 working days from commencement of classes with 75% Attendance criteria.
  - ❖ For all official purposes, Director's feedback shall be used.
  - ❖ Faculties showing poor performance, Counselling by Director will be initiated, the process may be repeated for faculties, if performance not improved. All such faculties, whose performance does not improve, three months' notice will be served prior to closing of academic session.
  - ❖ The counselling of weak performers has to be performed after every feedback and documented.
  - ❖ Classes conducted by Training and Placement department will also be included in all the feedbacks taken by HOD, Director and the Management.
3. **Conduction of Classes:** The classes for Odd/Even Semester will commence as per AKTU calendar.
  - a. Normal Class Time: 9:00 AM to 4 :30 pm (Including Lunch Break)
  - b. Registration - No students should be allowed to attend the classes without registration.
  - c. Tele-calling (On Saturday) by mentors will be done for students whose attendance is less than 75 % on last working day of every week.
  - d. All faculties should start effective teaching from very first class and not to waste their respective classes on mutual introduction or general discussions as an excuse for low attendance in the class.
  - e. Weekly tele-calling report must be checked and signed by HOD.
  - f. **Parallel classes for detained students:** During Sessional and PUT all detained students will be counselled and motivational lecture by Director to attend classes regularly.
4. **Instructions and Undertakings:** The required instructions (university statutes) are to be displayed before the commencement of the academic year.

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- a. All undertakings are required to be completed at the time of registration
  - b. All students to sign a common letter stating that min 75% attendance will be maintained to appear in sessional, PUT & End Semester University exams.
  - c. All students are referred to sign an affidavit, about their commitment & responsibility to maintain 75% attendance or as per AKTU attendance policy for being able to appear in all sessional /PUT and university exam, or else they stand detained from the above exams.
5. **List of Slow Learners:** Weak students need to be identified, either based on the performance in University examinations or 1<sup>st</sup> Sessional marks, whichever is available earlier. Special consideration will be given by faculties to weak students in terms of their lectures, labs and learning of subjects based on evaluation of their weekly performance. Weak students should be given extra attention in the classes in way of personal attention of their understanding the subject, other queries, writing notes etc.
6. **Smart Classes:** Where-ever the smart classroom is available, HOD must ensure that, once in a week on the rotation basis, every section must have all the classes in the smart class room, as per the availability. HOD to ensure effective utilization of board for whole week.
7. **Director's Meeting with Class Coordinators:** To ensure the quality of education and smooth conduction of academic activities, Director meets with all Class Coordinators fortnightly. He also discusses and checks the performance of the events.
8. **Quality Teaching:**
- a. Carrying book in the class room and reproducing the material as it is from the book on blackboard is the main cause of losing interest in the subject contents. Avoid carrying text books to the class.
  - b. Students must be motivated to ask questions during the last 5-6 minutes of lecture. Students may be asked to use blackboard for explaining some deliberation or their problems.
  - c. Delivery of lecture must be in English to a large extent. However; discussions can be in Hindi also. The English content is to be: (1) In first year as per demand (2) 50% in 2<sup>nd</sup> year (3) 75% in 3<sup>rd</sup> year and (4) 90% in 4<sup>th</sup> year.
  - d. Free and fearless homely environment should be provided to all students.
  - e. Faculty by their hard work and knowledge must ensure that all students give better academic feedback.
  - f. All faculties to reach their respective classes 5 minutes in advance.
  - g. Before taking attendance, the class teacher has to ensure proper organization of the class.
  - h. Revising previous lecture contents for 5-10 minutes before commencing next lecture, so as to ensure continuity of thought.

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- i. Group interaction, counseling with faculty & students should be on Saturday afternoon session.
  - j. However total freedom is given to the faculty to conduct the classes.
  - k. HOD should ensure the condition of the classroom / common amenities are clean and in hygienic condition.
9. **Revision of Course:** Based on actual course covered the revision classes required are to be planned by respective HOD in consultation with respective faculty member. It should be mandatory for all faculties to ensure revision of courses after completion of every Unit.
- a. Neither practical labs to be converted in lecture classes nor sections can be merged without prior approval from the Director.
  - b. After completing each unit, the numerical/question from question Bank/assignment should be solved in the class. Subsequently written solutions to be provided for the same.
  - c. Class notes of lectures missed by absentee students, should be provided to such students by the concerned faculty.
10. **Assignments, Preparatory classes and Class Test:** From each unit, at least one assignment (5-10 questions) and one class test / quiz (for 40-45 minutes) should be conducted. Preparatory classes can be arranged where it to be needed. Good quality questions must be given as per university question papers. It should not be treated as a formality. Date of delivery to students, date of submission by the students must be written on the above. A copy of each of the above must be submitted to the head and one copy must be available in faculty course file. All the above after critical evaluation must be submitted to Head for checking and for verification by college authorities. A copy of the assignment grading and class test marks must be submitted to the HOD for record. In numerical subjects only the unsolved questions should be given in assignment.
11. **Monitoring of Academic Policy:** Director/Academic Coordinator/HOD /Class coordinators will be checking the effective implementation of academic policy, by inspecting the following activities/ documents in all classes/ courses. Any flouting of the same, will automatically invite "disciplinary proceedings" leading to show-cause notices/penalties/even termination.
12. **Markings of Attendance in Register:**
- a. First lecture attendances have to be marked within first 10 minutes and in subsequent lectures within first 5 minutes.
  - b. Attendance should be marked in alphabet P (Present) and A (Absent).
  - c. The absent students to be marked preferably in red ink, as "A" only.
  - d. The last two lines of attendance register sheet should represent: "Total no. of absent:" and "Total no. of present:" in the class".







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- e. The last line should be signed by faculty of that course, counter-signed by HOD on weekly basis and Director/HOD on monthly basis or as & when they visit the class at the time of attendance.
- f. As students' attendance in any classes quite poor during semester, it is mandatory for faculty to ensure that every fortnight the department displays the student's attendance status.
- g. Each day the attendance is to be recorded and submitted in consolidated section /class wise form to the Director for 1<sup>st</sup> & 6<sup>th</sup> lectures.
- h. **Excel sheet for calculation of cumulative attendance % on daily basis:** Faculty members have to ensure that attendance for all classes is compiled properly to keep a check. The cumulative attendance % is calculated on weekly basis and if attendance is 75 % and above, no call should be made to parents, even though the student may be absent on/more than 3<sup>rd</sup> consecutive days. Weekly consolidated list to be prepared duly signed by HOD. Respective parents of all the absent students will be tele-called by respective mentors on Saturday.
- i. For any mass bunk, the concerned faculty member should inform the HOD immediately and the HOD should convey the information to Director immediately. HOD should immediately ask the class coordinators to call to parents informing about their ward's absence from the class and produce the tale calling report, with comments of the father/parents about the same, in the standard form.
- j. The tele-calling and its report, with proper remarks of the father/guardian, is to be submitted by all class coordinators to HOD, on the same day.

### 13. Conduction of Labs/Practical Classes and their conversion to class lectures:

- a. Faculty should always be present in the lab, during conduction of experiments.
- b. All experiments have to be guided by the faculty of lab concern, and not by lab technicians/ instructors.
- c. At least ten experiments are to be performed by students or as prescribed by AKTU/PCI.
- d. Faculty should ensure that all experiments are completed before PUT.
- e. Respective Lab manuals to be prepared and made available. Lab time should not be used for copying lab manuals/ practical records/files.
- f. The record file should be checked and graded; observation taken by students must be written in lab record not in rough note book. The same to be signed by faculty with date.
- g. Students are to be motivated to write the lab record on their own.
- h. Post-experimental quiz questions (3-5) related with the concerned lab experiment must be given to each student and they should be asked to write the answers in the Lab record itself. FAQ for each experiment should be prepared and shared with the students.

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- i. In lab, no copying of lab report from lab manuals is allowed and project report is to be suitably marked in scale of, say, 10 marks, after asking relevant viva-voce. FAQ should be developed for each lab experiments by associated faculties and students to be prepared for the same.
- j. Director/HOD must be on round when practicals are going on in laboratories.
- k. Lab manuals should be upgraded by faculty, as per requirement.
- l. Directors / HOD will monitor thoroughly the conduction of Labs and Viva-Voce.
- m. **Question Banks:** Students should be provided question bank and solutions. For question bank, 10 to 20 Questions per unit have to be prepared including questions from last three years university papers. This may also consist of other important questions, which faculty consider important from university examinations point of view, should be provided. These questions have to be used for tutorials, assignments, practice & revision etc.
- n. A model question paper, on university pattern, has to be solved in the class after completing the syllabus before PUT.

**14. Status of Syllabus coverage before every sessional exams:** All class coordinators should provide the current status of each course with

- a. % of syllabus covered
- b. No. of experiments completed
- c. Status of corrected lab records
- d. Syllabus to be covered before the commencement of 1<sup>st</sup> sessionals: 50%
- e. Syllabus to be covered before the PUT: 100%

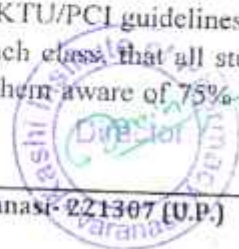
**15. Extra Classes, Assignments & Test:** Notes to be provided in question-answer format, thereby avoiding any requirement of providing separate question bank (which most of the time contain only questions not their answers), and model paper at the end.

- a. Emphasis should be given on practical applications of the course.
- b. Revision classes to be conducted as and when required.
- c. Separate attendance sheet is to be prepared for slow learners.
- d. Standard questions as per AKTUs pattern & tough marking for all sessional /PUT exams.

**16. Detention & Attendance Cut Off %:** Detention list to be finalized based upon actual attendance %. Special cases may need policy directions from higher authority, for some students. Such cases to be brought forward with all required details by respective HOD for inclusion/exclusion from detention list.

- a. For all sessional exams, attendance cut off is to be always 75%, while students to be told to maintain minimum 75% attendance conforming to AKTU/PCI guidelines.
- b. It should be announced in the beginning of semester, in each class, that all students through advisors/mentors have to sign such notice making them aware of 75%-as cut off % for attendance.

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- c. A specific date is to be announced from COE to consider as attendance cut off date, i.e. from start of the session till the time of examination, excluding those who register late due to clearing of their back papers, after declaration of AKTU result.
- d. Detained List has to be prepared as per the guidelines and submitted to the university before the last date.
- e. No student below 60% attendance will be allowed to participate in any activity, be it an industrial visit or any cultural/sports activity.
- f. **Undertaking by parents/students for detained students:** For detained students, HOD have been advised to call the respective father/parents and tell them about detention of their ward and invite them to visit the college and meet HOD/Director, so as to sign an undertaking for being responsible for possible detention from PUT / final examination, if attendance found less than 75%. The HOD to be ready with the parents' feedback regarding date of their arrival in the campus.

**17. Progress Report to parents:** The "Progress Report" is to be sent to parents of students having low attendance and also to slow performers.

- a. After every Sessional examination, a copy of attendance record and sessional marks must be sent to parents by registered postal letters, signed by advisor, HOD and Director, with a clear intent that parents are kept in loop for pressurizing their wards to maintain at least 75% attendance and also to improve their academic performance.
- b. No Call / SMS / Letter is to be sent to students above 75% attendance / marks.

**18. Mentor System:** For ensuring better understanding of personal/professional problems of students, Mentors are to be appointed in each class, with assigned responsibilities as delineated below:

- ❖ More effective interaction/relationship with students & their parents/guardians with specific responsibilities.
- ❖ Counselling of the students for all problems including personal and related to academic performance, Sessional/ university examination results, fee, fines and all other academic-related issues.
- ❖ Dispatch of Progress Report to parents after Sessional examination.
- ❖ Rectify the changed/altered/fake mobile nos. of students' parents and submit such updated list, with email ids & postal address to HOD with a copy to Registrar and Director.
- ❖ Tele calling to be done by Mentors on **Saturday** and on same day if there is a mass bunk of classes.
- ❖ Attendance compilation on regular basis.
- ❖ Compilation of results of Sessional, PUT and Semester exams.
- ❖ Counselling tele-calling should be done for all classes/years except for final year students.
- ❖ Mentor/advisor should submit the report of the counselling **once in 15 day**







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**19. Counselling reports:** To be submitted with explicitly delineated problems faced by students after sessional exam in pre defined format, by mentors to solve them. After 15 days, HOD will take a follow-up and or provide complete solutions to pending problems /issues, if any.

**20. Final Year projects:** The students have to submit Project synopsis/report, based on literature survey as undertaken by students, on their already pre-allotted project titles by some prefixed date. It is further understood and agreed upon that the department will ensure the following:

- ❖ Project Guide and title of the project to be decided & finalized for students and submitted to HOD.
- ❖ 8<sup>th</sup> Semester is utilized for the final year Projects as per the time table, but not at the cost of academics.
- ❖ Students to be resisted from purchasing readymade projects from the market.
- ❖ They should be inspired to think creatively, so as to make their projects as unique, innovative, interesting and thought-provoking.
- ❖ They should be persuaded to do things on their own.
- ❖ They should be asked to undertake literature survey on their respective projects
- ❖ They should be guided more closely by their respective guides on daily basis, so as to provide regular progress reports to their respective department.
- ❖ They should also be motivated to prepare FAQs for their Projects.
- ❖ Research paper based on the Project report to be published in reputed journals.
- ❖ HOD should ensure and monitor that all the projects are made by students themselves and the progress of projects should be reported on regular basis.

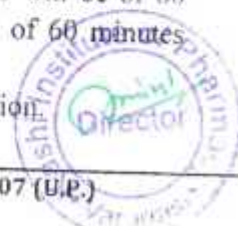
**21. Industrial visit/PDP classes by T&P Cell:**

- ❖ Students with 60% & above attendance only are permitted for industrial visits and that too in formal dress only.
- ❖ Industrial visit will as per syllabus norms industrial visit will arranged by HOD and T&P cell.
- ❖ For 2nd year students, English activities classes will be conducted, four class per week during semester.
- ❖ The Institute should display the list of placed students in their main notice board, including the name of the company and the package. There should also be a display board that will cover all the institutional activities including newspaper cutting.

**22. Time Table Format for 1<sup>st</sup> year:**

- ❖ New Time Table timings will comprise of 7 lectures. First 4 lectures will be of 60 minutes duration, 1 will be of 45 minutes duration and remaining 3 of 60 minutes duration.
- ❖ All practical classes shall be performed preferably in the afternoon session.

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- ❖ Time table should be judiciously done by HOD and approved by Director at commencement of semester. Difficult courses in each department are identified and only senior/experienced faculties are to teach them. Senior faculties are to teach 2<sup>nd</sup> & 3<sup>rd</sup> year and junior ones to teach 4<sup>th</sup> year.
- ❖ 50% teaching load shall be counted for faculties engaged in labs/Seminars of the total duration in the Time-Table.

**23. Course File:** Before going to the classes all faculties to finalize the Course Files in desired Format for respective course as per NAAC format and to include:

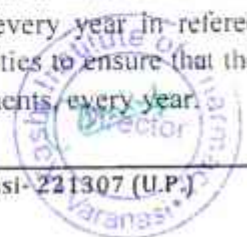
- a. Lecture plan
- b. one assignment per unit
- c. one tutorial per unit (as per point 9)
- d. course notes
- e. Unit wise question bank
- f. previous (3Years) AKTU question papers
- g. 1 model paper
- h. Before going for the vacation at the end of the semester, faculty members have to submit the course file to HOD, duly signed by the HOD & Director.

**24. Result:** The target result for any course should be 5% to 10% high in comparison from the previous result of AKTU. Target fixing & Result analysis:

- a. Every faculty is given individual target for the course they teach.
- b. Target to be fixed based on previous semester result and students performance in Sessional and PUT.
- c. Faculty who achieves the target may be recommending for incentives.
- d. Every department has to prepare the critical analysis of the result and document it for record purpose.

**25. Faculty Development:** Institute has to undertake FDP preferably every semester/year, so as to maintain faculties' performance level at its highest. It should be done by mock demonstration by each faculty in front of respective HOD & Director and graded for 10 attributes in a scale of 1-10 and creating overall performance index by vector addition, which is to be arranged in a descending order. All such faculties who perform less than 60% in FDP, are to be given another opportunity for Demo. If the performance is still less than satisfactory, the faculty concerned would invite some administrative action to be decided by the Director.

**26. R&D Cell:** All faculties are to be counselled by the HOD/Directors to ensure a creative research environment in the college/labs. R&D Chief, in coordination with HOD would ensure that each faculty publishes at least one research paper every year in refereed Journals. On the other hand, it has become mandatory for all faculties to ensure that they add at least one good publication in their professional accomplishments every year.







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- a. The faculties are also encouraged to publish books on respective course for which they will be rewarded as per R&D Policy.
  - b. Institute should arrange one International/National Conference, FDP, workshop every year for/by industry.
  - c. Each faculty is encouraged to file patents for innovation.
  - d. Industry interface is encouraged and invited.
  - e. Consultancy by faculty to/from industry is invited.
  - f. Projects financed by industry and sponsorship are to be actively sought.
  - g. FDP, Seminar, Workshop (Minimum 1 week) Motivation to students for GPAT & guidance for same.
  - h. Institute has to prepare financial budget if any for the above said R&D activities and get it approved from competent authorities through Directors well in advance.
- 27. Personality Development Program (PDP):** Its syllabus is prepared for the whole year for each branch. The HOD and academic coordinators must ensure that the classes are running timely and with highest efficiency as per syllabus.
- 28. Startup & ED CELL:** For enhancing skill development and developing entrepreneurship in students for setting up their own industries/businesses/start ups, the **Startup & Entrepreneur Development Cell (ED)** is working in the institution. It has to submit its monthly report to the Director.
- ❖ **IQAC:** Internal Quality Assurance Cell (IQAC) has to work for creation, development, sustenance and improvement of high quality standards of a various academic processes, on continuous basis.
- It will include teaching/learning of various courses, Labs/workshops experiments, faculty improvement, R&D activities, Projects, industrial training, PDP, professional communication, soft skill set enhancement, mock interviews, so that not only making our students place able, but actually ensuring their placement, in various companies/corporate.
- 29. Research Papers by Students:** Motivating students to participate and publish research papers in reputed research journals/conferences. It is mandatory for final year students, before submission of the project. Students involved in research must be reasonably encouraged while awarding marks, after due verification by Head, R&D.
- 30. Director's Meeting with CRs:** Director will have monthly meeting with Class Representatives (CRs).
- 31. Faculty Role in R&D:** Each faculty has to publish one research paper/year and to participate in QIPs/FDPs/workshop, organized by various government institutions, in summer session break.







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- 32. Department's Role:** Each department has to organize/arrange:
- Minimum two guest lecture per semester, one from industry and one from academia.
  - One national/international conference preferably sponsored through reputed agencies.
  - Minimum one external FDP and one workshop according to norms.
  - One 2 days workshop
  - One patent per year.
  - To receive one grant /per semester for research project.
  - Publishing of one book per year and 5 - 10 % of faculties should be encouraged for the registration for Ph. D. from reputed universities every year.
- 33. Weak Student/Slow Learners Policy:** It is applicable for 1<sup>st</sup> year only to focus on the following:
- Separate classes for slow learners and extra classes whenever required after three weeks of commencement of classes.
  - Special notes covering important topics should be provided to weak students/slow learners, along with unit wise question banks with solutions.
  - Only important/Difficult subject extra classes will be organized.
- 34. Counselling/problem Solving Sessions:** It will be organized by a committee comprising Director, HOD and IQAC representative twice in a semester i.e. first one after Sessional and second before PUT for students with less than 40% attendance and weak students, for assessing the reasons of their absence from the class/mass bunk/ poor marks in Sessional/performance.
- 35. Min. cut off attendance of 75%:** All students should be counselled by HOD to maintain at least 75% attendance, so as to be eligible to sit in Placement activities. In special circumstances it may be lowered up to 60%, after taking permission from higher authorities.
- 36. Additional Points for 1<sup>st</sup> year:**
- Practical classes may be emphasized in the starting of the session and faculties are advised to complete all practical before PUT.
  - Assignment will be given by faculty members as per syllabus coverage of individual subject.
- 37. Miscellaneous Points:** Composition of committee is permitted to be changed as per the requirement.
- 38. The revised AKTU/PCI Guidelines/Norms i.e. for syllabus and examination pattern is to be updated by the HOD regularly.**





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39. Target & Rewards: To be among the Top 10 Under Graduate Pharmacy Institute in U.P.

40. The members of committee of Kashi Institute of Pharmacy are stated below:

Sr. No.	Name	Designation	Committee Position
1.	Dr. Ashutosh Mishra	Director	Chairman
2.	Mr. Manoj Kumar Prajapati	Registrar	Member
3.	Dr. Vivek Keshari	HOD	Member
4.	Mr. Kumar Alok	Academic Coordinator	Member
5.	Mr. Sachchidanand Pathak	NAAC Coordinator	Member



  
(Registrar)

  
(HOD)

  
(Academic Coordinator)

  
(NAAC Coordinator)



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## 4. ACADEMIC CALANDER



### KASHI INSTITUTE OF PHARMACY

Managed by: Jain Education Society  
23 Km Milestone, Varanasi- Allahabad Road, Mirzamurad, Varanasi (U.P.)  
E-Mail : kashi\_inst\_tech@gmail.com Website : www.kashiip.ac.in  
Ph. - 0542-2637777,78 Fax- 0542-2637684

Ref. No. Kashi IP/2022-23/166

Date: -25<sup>th</sup> July, 2022

Academic Calendar (Odd Semester - 2022-23)					
B. Pharm (1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> & 4 <sup>th</sup> Semester)					
S. No.	Description	Semester System Exam			
		I Sem (1 <sup>st</sup> year)	II Sem (2 <sup>nd</sup> year)	III Sem (3 <sup>rd</sup> year)	IV Sem (4 <sup>th</sup> year)
1	Last date for Student's Online Registration for the Odd Semester 2022-23	-	Up to	Up to	Up to
			31.08.2022	31.08.2022	31.08.2022
2	Commencement of Academic/Training Classes for all the students	01.09.2022	16.09.2022	08.09.2022	16.08.2022
3	Assignment & Class Test-I	01.11.2022 to 03.11.2022	17.10.2022 to 22.10.2022	26.09.2022 to 30.09.2022	12.09.2022 to 17.09.2022
4	Last date to evaluate the answer sheets and upload the marks over college ERP	05.11.2022	31.10.2022	06.10.2022	21.09.2022
5	Sessional Examination	14.11.2022 to 17.11.2022	14.11.2022 to 17.11.2022	12.10.2022 to 15.10.2022	12.10.2022 to 15.10.2022
6	Last date to evaluate the answer sheets and upload the marks over college ERP	22.11.2022	22.11.2022	20.10.2022	20.10.2022
7	Assignment & Class Test-II	04.12.2022 to 06.12.2022	04.12.2022 to 06.12.2022	14.11.2022 to 16.11.2022	14.11.2022 to 16.11.2022
8	Last date to evaluate the answer sheets and upload the marks over college ERP	14.12.2022	16.12.2022	23.11.2022	23.11.2022
9	Makeup Sessional Examination	26.12.2022 to 29.12.2022	24.12.2022 to 29.12.2022	05.12.2022 to 07.12.2022	01.12.2022 to 03.12.2022
10	Last date to evaluate the answer sheets and upload the marks over college ERP	02.01.2023	02.01.2023	14.12.2022	14.12.2022
11	PLT's submission	06.01.2023 to 08.01.2023	06.01.2023 to 08.01.2023	07.12.2022 to 09.12.2022	04.12.2022 to 06.12.2022
12	Last date to evaluate the answer sheets and upload the marks over college ERP	10.01.2023	10.01.2023	14.12.2022	14.12.2022
13	End Semester Theory Examination	24.01.2023	24.01.2023	15.12.2022	15.12.2022
14	Student's Online Registration for the Even Semester 2022-23	Up to	Up to	Up to	Up to
		14.02.2023	14.02.2023	20.01.2023	20.01.2023
15	Commencement of Academic Classes for the session 2022-23	15.02.2023	15.02.2023	21.01.2023	21.01.2023

#### Note:

- The Academic calendar may change as per new Academic Calendar (if AICTE) as and when necessary.
- Assignment - I & Assignment - 2 will be submitted by the students as per the given schedule.
- Class Test - II will be conducted by respective faculty members as the subject lecture.
- Sessional, Before Sessional Exams, UP's of the subject syllabus must be covered.
- Makeup Sessional - Before Makeup Sessional Exam 25% of the subject syllabus must be covered.
- PLT - Before PLT Exam 100% of the subject syllabus will be covered.

(Academic Coordinator)

(HOD)

(Director)



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Jankipuram Vihar, Sector-11, Sitapur Road, Lucknow, 226001

## ACADEMIC CALANDER

Ref. No. AKTU/Ro/2022/16913

FOR B.TECH./B.PHARM./B.ARCHE/B.M.E.C./B.FAD/D.VOC/BA/BBA/BBAB/BBABZ/ BIGN/MCA/BBFAM/TECH.M. PHARM/B.ARCHE & other Courses  
ACADEMIC SESSION 2022-23 (Tentative)

Dated: 21.07.2022

S.No.	Particulars	Dates	
		Odd Semester	Even Semester
01	Commencement of Classes session 2022-23	August 06, 2022 all VII & IX Semester students Sep 1, 2022 all III, V Semester students (EXCEPT MBA) Oct. 10, 2022 All III semester MBA students	Jan. 21, 2023 for (VI) Except B.Tech, B.Pharm & MBA; VI, VIII & X Semester students Feb.15, 2023 for All II, IV (B.Tech, B. Pharm & MBA) Semester students
02	Last date of fresh admission AND Commencement of Classes for First Year All courses	04.05.2022	—
03	Last date of submitting admission file of students to University (for newly admitted students)	Oct 30 <sup>th</sup> , 2022	—
04	Last date of submitting final/interim form/Exam Form for regular & carry over exam/Declaration fee for both semesters and examination/carry over examination fee	Nov 30 <sup>th</sup> , 2022	—
05	Last date of submitting theoretical marks of Theory & Practical to University	Jan 23, 2023	May 25, 2023 for All Even Semesters
07	End Semester Theory Examination	Dec. 15, 2022 to Jan.10, 2023 For all III (Except B.Tech, B. Pharm & MBA), V, VII and IX Semesters Jan. 24, 2023 to Feb.10, 2023, For all I Semester and III semesters of B.Tech, B. Pharm & MBA	15 Mar, 2023 to 03 June, 2023 for All Even Semesters
08	End Semester Practical Examination (PE)	Dec. 09, 2022 to Dec 14, 2022 For all III (Except B.Tech, B. Pharm & MBA), V, VII and IX Semester Feb. 07, 2023 to Feb.13, 2023, For all I Semester and III semester (B.Tech, B. Pharm & MBA)	June 01, 2023 to June 08, 2023 for All Even Semesters
09	Last date for Submission of PG Marks.	Jan.16, 2023 For all II (Except B.Tech, B. Pharm & MBA), V, VII and IX Semesters Feb.16, 2023 For all I Semester and III semesters of B.Tech, B. Pharm & MBA	June 15, 2023 for All Even Semesters
10	Evaluation of Answer sheets	Dec. 24, 2022 to Jan. 25, 2023 For all III (Except B.Tech, B. Pharm & MBA), V, VII and IX Semesters Jan. 30, 2023 to Feb. 03, 2023, For all I Semester and III of B.Tech, B. Pharm & MBA	May 28, 2023 to June 03, 2023 for All Even Semesters
11	Summer Training/Internship		June 15, 2023 to July 15, 2023
12	Winter Vacation/Summer Vacation	Jan. 01, 2023 to Jan. 30, 2023	June 14, 2023 to July 31, 2023
13	Commencement of Classes session 2023-24		For III, V, VII & IX Semester Aug 01, 2023

Note: \*As per the Admission circulars

- The Institute shall ensure minimum meeting times as specified in the University, regulations for each semester. If required the Director/Principal shall arrange extra classes, on weekends/holidays.
- The Institute should ensure that at least two theory tests are conducted after completing 50% of syllabus respectively. All students will be required to appear in both first and second class tests. If, for any reason beyond the control of students such as illness, major accident or family, the student fails to appear in any test, it will be the responsibility of the Principal/In-charge of the Institute to arrange make up class test for such students. If the student fails to appear in first class test, his make up class test will be conducted before second class test and in case of second class test to date one result before the start of end semester theory examinations. The duration of class test will be minimum one hour for each class test. 10% attendance or 15% per cent 75% attendance or second class test are required. In case attendance is less, student can be referred accordingly on theory basis.
- The Director/Principal of Institute shall ensure the submission of evidence of students regularly through Academic Monitoring System (AMS) of the University and shall ensure that no student is allowed to appear in the examinations who has not applied the admission/transfer/extension or per centage prescribed in relevant ordinances. It will be obligatory on the part of the Director/Principal of the Institute to detain such students and their admit cards will not be issued to them. A list of students detained have appearing in University Examination will be submitted to their respective centre before the commencement of the theory examinations.
- The students who are assigned evaluation duty during vacation shall be notified by e-mail before or per entry and duty leave for their examination related work assigned by the University.
- The list of syllabus for the newly admitted first semester B.Tech & B.Pharm students has to be COMPLETED with up to version syllabus using only printing/last version/working/holiday class.

(Nand Lal Singh)  
Registrar



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## 5. COURSE INFORMATION SHEET (CIS)

### 5a) COURSE DESCRIPTIONS

PROGRAM : Pharmacy	DEGREE : B. Pharm
COURSE : Human Anatomy & Physiology-I	YEAR : I SEM : I CREDITS : 4
COURSE CODE : BP101T	COURSE TYPE : Core
COURSE AREA / DOMAIN : Anatomy & Body System	CONTACT HOURS : 4+0+0 (L+T+P) Hours/week
CORRESPONDING LAB COURSE CODE: BP107P (IF ANY) :	LAB COURSE NAME: Human Anatomy & Physiology Practical

### 5b) UNIVERSITY SYLLABUS

#### Human Anatomy and Physiology II – Theory (BP101T)

Unit	Course Contents	Hours
1	<b>Introduction to human body:</b> Definition and scope of anatomy and physiology, levels of structural organization and bodysystems, basic life processes, homeostasis; basic anatomical terminology. <b>Cellular level of organization:</b> Structure and functions of cell, transport across cell membrane, cell division, cell junctions, General principles of cell communication, intracellular signaling pathway activation by extracellular signal molecule, Forms of intracellular signaling: a) Contact-dependent b) Paracrine c) Synaptic d) Endocrine <b>Tissue level of organization:</b> Classification of tissues, structure, location	10





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	and functions of epithelial, muscular and nervous and connective tissues	
II	<b>Integumentary system:</b> Structure and functions of skin <b>Skeletal system:</b> Divisions of skeletal system, types of bone, salient features and functions of bones of axial and appendicular skeletal system Organization of skeletal muscle, physiology of muscle contraction, neuromuscular Junction <b>Joints:</b> Structural and functional classification, types of joints movements and its articulation	10
III	<b>Body Fluids and Blood</b> Body fluids, composition and functions of blood, hemopoiesis, formation of hemoglobin, anemia, mechanisms of coagulation, blood grouping, Rh factors, transfusion, its significance and disorders of blood, Reticulo endothelial system <b>Lymphatic System</b> Lymphatic organs and tissues, lymphatic vessels, lymph circulation and functions of lymphatic system	10
IV	<b>Peripheral nervous system:</b> Classification of peripheral nervous system, Origin and functions of spinal and cranial nervous reflex arc <b>Autonomic nervous system:</b> structure and functions of sympathetic and parasympathetic nervous system. <b>Special senses:</b> Structure and functions of eye, ear, nose and tongue and their disorders	8
V	<b>Cardiovascular System</b> Heart – anatomy of heart, blood circulation, blood vessels, structure and functions of artery, vein and capillaries, elements of conduction system of heart and heart beat, its regulation by autonomic nervous system, cardiac output, cardiac cycle. Regulation of blood pressure, pulse, electrocardiogram and disorders of heart.	7
	Total	45







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## Human Anatomy and Physiology II – Practical (BP107P)

### List of Experiments

1. To study the Compound Microscope.
2. To study the Microscopic study of epithelial and connective tissue.
3. To study the Microscopic study of muscular and nervous tissue.
4. To study the Identification of axial bones.
5. To study the Identification of appendicular bones.
6. To determination of heart rate and pulse rate.
7. To record the blood pressure by using Sphygmomanometer.
8. To determination the bleeding time of your own blood sample.
9. To determination the clotting time of your own blood sample.
10. To determine the haemoglobin content of your own blood sample.
11. To determination the blood group of your own blood sample

### 5c) EVALUATION SCHEME

Assessments								
Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP101 T	Human Anatomy and Physiology-I	10	15	1 Hr	25	75	3 Hr	100

### 5d) GAP IN SYLLABUS

S. No.	DESCRIPTION	PROPOSED ACTION	NO. OF CLASSES
1	Introductory class of Human Body System	PPT & Video Demonstration	4





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## 5e) WEB SOURCE REFERENCES

- [https://www.osmosis.org/notes/Anatomy\\_and\\_Physiology\\_of\\_the\\_Nervous\\_System](https://www.osmosis.org/notes/Anatomy_and_Physiology_of_the_Nervous_System)
- <https://drnaitiktrivedi.com/index.php/notes/anatomy-physiology-notes/>
- <https://byjus.com/biology/human-body-anatomy/>
- <https://microbenotes.com/category/anatomy-and-physiology/>
- <https://nurseslabs.com/category/nursing-notes/anatomy-physiology/>
- <https://www.cliffsnotes.com/study-guides/anatomy-and-physiology>
- <https://www.accessengineeringlibrary.com/content/book/9780071810791>
- <https://noteskarts.com/human-anatomy-physiology-notes-pdf/>
- <https://www.labster.com/blog/7-favorite-anatomy-physiology-virtual-labs>
- <https://www.labster.com/course-packages/anatomy-physiology>
- <https://www.humanbiomedia.org/lab-simulations/>
- <https://onlinelabs.in/anatomy>

## 5f) DELIVERY / INSTRUCTIONAL METHODOLOGIES

<input type="checkbox"/> CHALK & TALK	<input type="checkbox"/> STUDY MATERIAL	<input type="checkbox"/> WEB RESOURCES
<input type="checkbox"/> LCD / SMART BOARDS	<input type="checkbox"/> STUDY SEMINARS	<input type="checkbox"/> ADD-ON COURSES

## 5g) ASSESSMENT METHODOLOGIES – DIRECT

Direct methods display the student's knowledge and skills from their performance in the class assignment test (It is a metric used to continuously assess the student's understanding capabilities), internal assessment tests [the Internal Assessment marks in a theory paper shall be based on two tests, sessional test & pre university test (PUT)], end semester examinations (theory or practical), seminars, laboratory assignments/experiments (it is a qualitative performance assessment tool designed to assess student's practical knowledge and problem solving skills), mini/major projects, add on courses, certification, presentations (as per the requirement) etc. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning.

Various methods used in assessment process that periodically documents and demonstrates the degree to which the Course Outcomes are attained.







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## 5h) ASSESSMENT METHODOLOGIES – INDIRECT

Indirect methods such as course exit survey/assignments of course outcomes by feedback, assignments of mini/major project by external experts, faculty feedback, examiner feedback & others survey to reflect on student's learning. They are used to assess opinions or thoughts about the graduate's knowledge or skills.

Collect variety of information about course outcomes from the students after learning entire course.

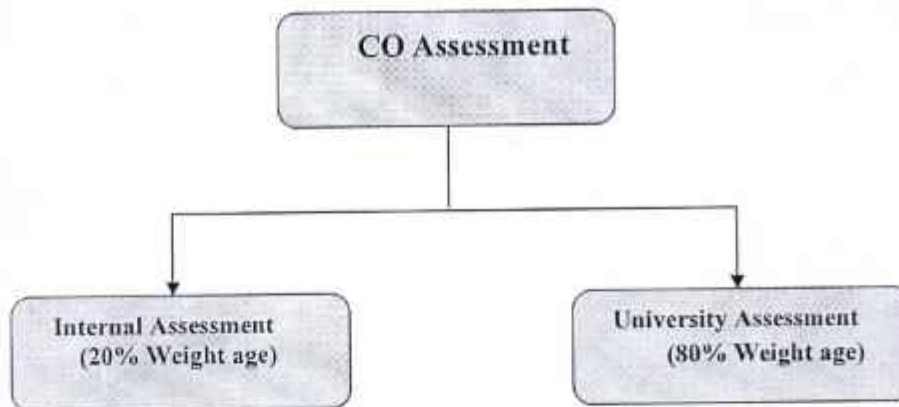
Rubrics are used for both formative and summative assessment of students. Same rubric is used for assessing an outcome so that the faculty is able to assess student progress and maintain the record of the same for each student.

## ASSESSMENT PROCESS

### Assessment Process for CO Attainment:

For the evaluation and assessment of CO's and PO's, rubrics are used. The rubrics considered here are given below:

### CO Assessment Rubrics:



Course Outcome is evaluated based on the performance of students in internal assessments and in university examination of a course. Internal assessment contributes 20% and university assessment contributes 80% to the total attainment of a CO.





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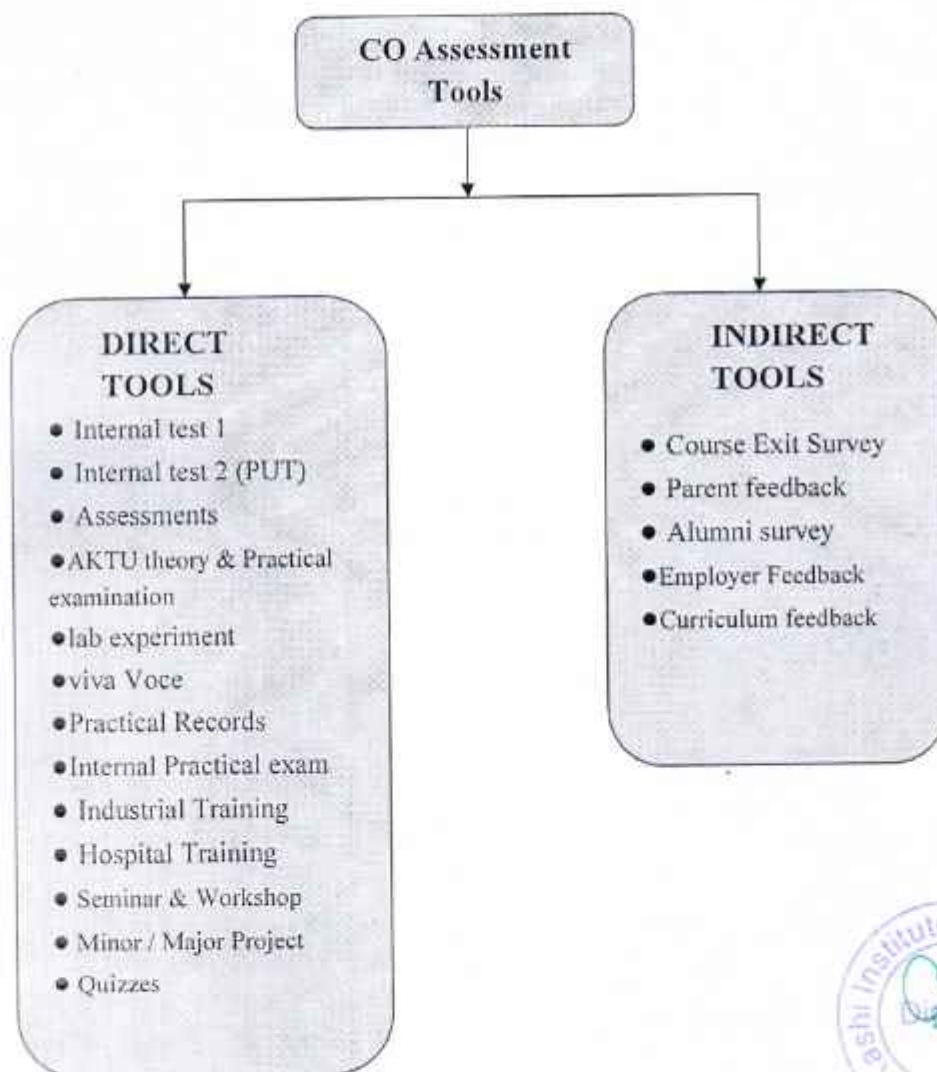
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## CO Assessment Tools:

The description of Assessment tools used for the evaluation of program outcomes is given in Table below. The various assessment tools used to evaluate COs and the frequency with which the assessment processes are carried out are listed in this table. In each course, the level of attainment of each CO is compared with the predefined targets, if it is not, the course coordinator takes necessary steps for the improvement to reach the target. With the help of CO against PO/PSO mapping, the PO/PSO attainment is calculated by program coordinator. Assessment Tools are of two types' direct tools and indirect tools. Which are described below:







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## Assessment Process for Calculating the Attainment of Pos and PSO

Assessment Type	Assessment method	weight age	Assessment Period	Assessment and Reviewed By
Direct	Assessment tool based on Subject nature	80% (80% of AKTU Examination + 20% of the Assessment tools)	Once per Semester	Department Advisory committee
	AKTU Examination		Once per Semester	
Indirect	Current Passing out Students Survey	20%	8 <sup>th</sup> semester	Department Advisory committee
	Recruiters Survey		Every Placement activity	
	Alumni Survey		Once per Year	

### 5i) TEXT BOOKS & REFERENCE BOOKS

REFERENCE BOOK	
1.	Principles of Anatomy and Physiology by Tortora Grabowski, Palmetto, GA, U.S.A
2.	Anatomy and Physiology in Health and Illness by Kathleen J.W. Wilson, Churchill Livingstone, New York
3.	Human Physiology (vol 1 and 2) by Dr. C.C. Chatterje, Academic Publishers Kolkata
4.	Physiological basis of Medical Practice-Best and Tailor. Williams & Wilkins Co, Riverview, MI USA
TEXT BOOK	
1.	Practical workbook of Human Physiology by K. Srinageswari and Rajeev Sharma,





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	Jaypee brother's medical publishers, New Delhi
2.	Textbook of Practical Physiology by C.L. Ghai, Jaypee brother's medical publishers, New Delhi
3.	Essentials of Medical Physiology by K. Sembulingam and P. Sembulingam. Jaypee brother's medical publishers, New Delhi
4.	Textbook of Human Histology by Inderbir Singh, Jaypee brothers medical publishers, New Delhi
5.	Textbook of Practical Physiology by C.L. Ghai, Jaypee brothers medical publishers, New Delhi
6.	Text book of Medical Physiology- Arthur C, Guyton and John. E. Hall, Miamisburg, OH, U.S.A

## 5j) Class time table

Room No.: LRC-4		B. Pharm 1st Year, I Semester (A)					Effective from:		
Lecture	1st	2nd	3rd	4th	5th	6th	7th	8th	
Timing	08:30 - 09:25	09:25- 10:20	10:20- 11:15	11:15 - 12:10	12:10 - 01:15	01:15 - 02:10	02:10- 03:05	03:05- 04:00	
Monday	BP-101T	BP-103T	BP-105T	BP-104T	<b>LUNCH</b>	BP-108P(A)/BP-109P(B)			
Tuesday	BP-101T	BP-106RBT/ RMT	BP-105T	BP-104T		BP-107P(B)/BP-109P(A)			
Wednesday	BP-102T	BP-103T	BP-104T	BP-101T		BP-107P(A)/BP-110P(B)			
Thursday	BP-102T	LIBRARY	BP-103T	BP-104T		LIBRARY	BP-102T	BP-106RBT/ RMT	
Friday	BP-103T	BP-102T	BP-112RBP	BP-101T		BP-110P(A)/BP-108P(B)			
Saturday	BP-101T	BP-103T	BP-104T	LIBRARY		BP-102T	BP105T	BP-106RBT/ RMT	
Subject Name			Code	Faculty Name		Total Lecture	Contact No.		

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HAP-I Theory	BP101T	Mr. Sachchidanand Pathak	4	
Pharm. Analysis-I-Theory	BP102T	Mr.Devendra Kumar Dubey	4	
Pharmaceutics I -Theory	BP103T	Mr. O.P. Verma	4	
Pharmaceutical Inorganic Chemistry - Theory	BP104T	Mr. Manoj Kumar Prajapati	4	
Communication Skills - Theory	BP105T	Ms. Ksama Madam	2	
Remedial Biology/Mathematics - Theory	BP106RB T/RMT	Mr. Kamlesh Singh/ Mr. Anil Kumar Yadav	2	
Human Anatomy & Physiology - Practical	BP107P	Ms. Priya Patel	3*2=6	
Pharmaceutical Analysis I - Practical	BP108P	Mr. Devendra Kumar Dubey	3*2=6	
Pharmaceutics I - Practical	BP109P	Mr. O.P. Verma	3*2=6	
Pharmaceutical Inorganic Chemistry - Practical	BP110P	Mr. Kamlesh Singh	3*2=6	
Communication Skills - Practical	BP111P	Ms. Ksama Madam	2	
Remedial Biology- Practical	BP112RBP	Mr. Kamlesh Singh	2	

## 5k) Faculty Time Table

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Time Table | Session 2022-23 | Odd Semester

Faculty Name: Mr. Sachchidanand Pathak

B. PHARM

Lecture	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
Timing	8:55-9:50	9:50-10:45	10:45-11:45	11:45-12:35	12:35-1:30	1:30-2:15	2:15-3:00	03:05-3:50	3:50-4:35
Monday		BP507P (A, A)				BP107P B(A)			
Tuesday			BP101T (A)		BP101T(A)		ER2026 T	BP503T(A)	
Wednesday		BP507P (A, B)						ER2026T	BP503 T (A)
Thursday	BP503T(A)				BP101T (A)		BP107P B(B)		
Friday	BP101T(A)								BP503 T (A)
Saturday									



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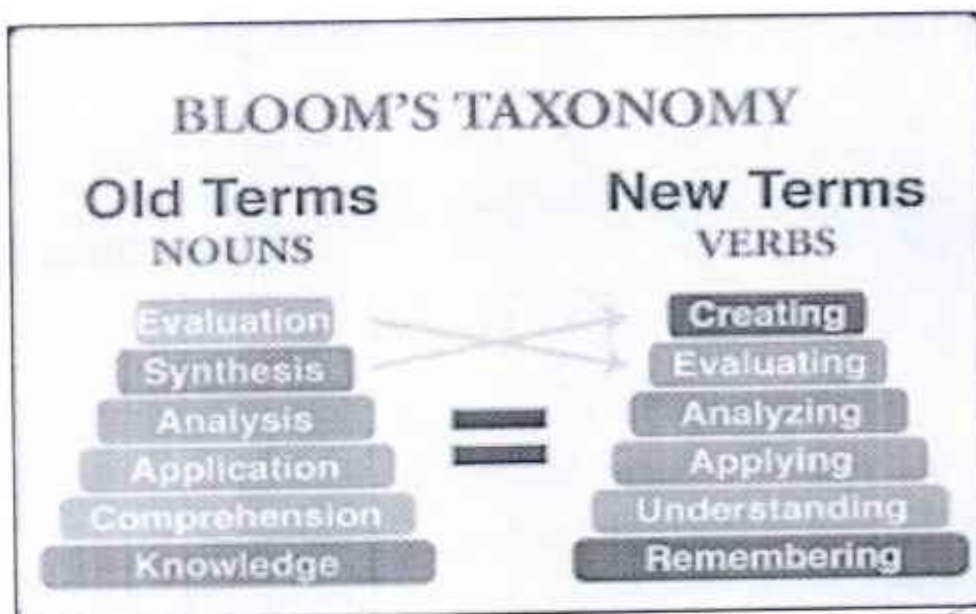
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## 6. CO – PO And CO – PSO Mapping and Blooms Taxonomy

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Course : B. Pharm					Semester: 1st (Odd)					Academic Year: 2022-2023						
Course Code : BP101T					Course Name : HAP-1							Section : A & B				
Name of the Faculty :					Mr. Sachchidanand Pathak											
CO-PO & PSO MAPPING																
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	2	0	0	2	-	-	-	-	-	3	2	3	1	2	2	
CO2	3	-	-	-	-	-	3	3	3	3	2	2	3	-	2	
CO3	3	-	3	2	2	-	2	3	2	3	2	2	2	3	2	
CO4	2	1	2	2	-	-	2	2	-	2	-	3	2	2	-	
CO5	2	-	-	2	-	-	-	-	-	2	-	2	2	2	-	

### Revised Bloom's Taxonomy







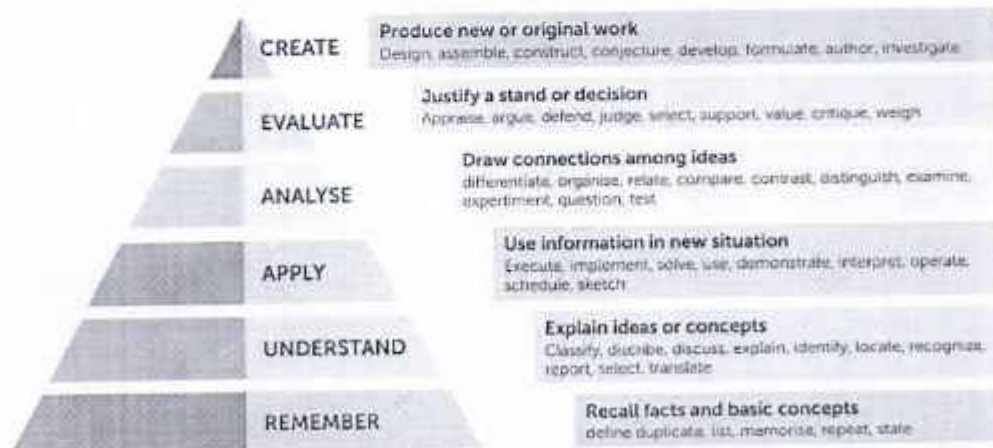
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## Bloom's Taxonomy



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## Cognitive Processes:

### Level 1 - C1

Categories & Cognitive Processes	Alternative Names	Definition
Apply		Applying a procedure to a familiar task
Executing	Carrying out	Applying a procedure to a familiar task
Implementing	Using	Applying a procedure to an unfamiliar task

### Level 2 - C2

Categories & Cognitive Processes	Alternative Names	Definition
Remember		Retrieve knowledge from long- term memory
Recognizing	Identifying	Locating knowledge in long-term memory that is consistent with presented material
Recalling	Retrieving	Retrieving relevant knowledge from long-term memory

Categories & Cognitive Processes	Alternative Names	Definition
Remember		Construct meaning from instructional messages, including oral, written, and graphic communication
Understand	Clarifying Paraphrasing Representing Translating	Changing from one form of representation to another
Interpreting	Illustrating Instantiating	Finding a specific example or illustration of a concept or principle
Exemplifying	Categorizing Subsuming	Determining that something belongs to a category
Classifying	Abstracting Generalizing	Abstracting a general theme or major point(s)
Summarizing	Concluding Extrapolating Interpolating Predicting	Drawing a logical conclusion from presented information
Inferring	Contrasting Mapping Matching	Detecting correspondences between two ideas, objects, and the like
Comparing	Constructing models	Constructing a cause and effect model of a system
Explaining	Clarifying Paraphrasing Representing Translating	Construct meaning from instructional messages, including oral, written, and graphic communication







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## Level 3 – C3

Categories & Cognitive Processes	Alternative Names	Definition
Apply		Applying a procedure to a familiar task
Executing	Carrying out	Applying a procedure to a familiar task
Implementing	Using	Applying a procedure to an unfamiliar task

Categories & Cognitive Processes	Alternative Names	Definition
Analyze		Break material into its constituent parts and determine how the parts relate to one another and to an overall structure or purpose
Differentiating	Discriminating Distinguishing Focusing Selecting	Distinguishing relevant from irrelevant parts or important from unimportant parts of presented material
Organizing	Finding coherence Integrating Outlining Parsing Structuring	Determining how elements fit or function within a structure
Attributing	Deconstructing	Determine a point of view, bias, values, or intent underlying presented material

## Level-4 C4

Evaluate		Make judgments based on criteria and standards
Checking	Coordinating Detecting Monitoring Testing	Detecting inconsistencies or fallacies within a process or product; determining whether a process or product has internal consistency; detecting the effectiveness of a procedure as it is being implemented
Critiquing	Judging	Detecting inconsistencies between a product and external criteria; determining whether a product has external consistency; detecting the appropriateness of a procedure for a given problem





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## Level- 5 C5

Categories & Cognitive Processes	Alternative Names	Definition
Create		Put elements together to form a coherent or functional whole; reorganize elements into a new pattern or structure
Generating	Hypothesizing	Coming up with alternative hypotheses based on criteria
Planning	Designing	Devising a procedure for accomplishing some task
Producing	Constructing	Inventing a product

## The Knowledge Dimension

Dimension	Definition
Factual Knowledge	The basic elements students must know to be acquainted with a discipline or solve problems in it
Conceptual Knowledge	The interrelationships among the basic elements within a larger structure that enable them to function together
Procedural Knowledge	How to do something, methods of inquiry, and criteria for using skills, algorithms, techniques, and methods
Met cognitive Knowledge	Knowledge of cognition in general as well as awareness and knowledge of one's own cognition

## Blooms Taxonomy:

### Cognitive Process 1: To Remember

Remembering consists of recognizing and recalling relevant information from long-term memory.

#### Verbs associated with this level:

Choose, define, describe, find, identify, label, list, locate, match, name, recall, recite, recognize, record, relate, retrieve, say, select, show, sort and tell

### Cognitive Process 2: To understand

Understanding is the ability to make your own meaning from educational material such as reading and teacher explanations. The sub-skills for this process include interpreting, exemplifying, classifying, summarizing, inferring, comparing, and explaining.

#### Verbs associated with this level:

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Categorize, clarify, classify, compare, conclude, construct, contrast, demonstrate, distinguish, explain, illustrate, interpret, match, paraphrase, predict, represent, reorganize, summarize, translate and understand

### **Cognitive Process 3: To apply**

Applying refers to using a learned procedure either in a familiar or new situation.

#### **Verbs associated with this level:**

Apply, carry out, construct, develop, display, execute, illustrate, implement, model, solve and use

### **Cognitive process 4: To Analyze**

To analyze is to break material into its constituent parts and determine how the parts relate to one another and to an overall structure or purpose. Students analyze by differentiating, organizing, and attributing.

#### **Verbs associated with this level:**

Analyze, ascertain, attribute, connect, deconstruct, determine, differentiate, discriminate, dissect, distinguish, divide, examine, experiment, focus, infer, inspect, integrate, investigate, organize, outline, reduce, solve a problem.

### **Cognitive Process 5: To evaluate**

To evaluate is to make judgments based on criteria and standards.

#### **Verbs associated with this level:**

Appraise, assess, award, check, conclude, convince, coordinate, criticize, critique, defend, detect, discriminate, evaluate, judge, justify, monitor, prioritize, rank, recommend, support, test, value

### **Cognitive Process 6: To Create**

To create is to put elements together to form a coherent or functional whole; reorganize elements into a new pattern or structure; inventing a product. This skill involves putting things together to make something new. To accomplish creating tasks, learners generate, plan, and produce.

#### **Verbs associated with this level:**

Adapt, build, compose, construct, create, design, develop, elaborate, extend, formulate, generate, hypothesize, invent, make, modify, plan, produce, originate, refine, transform.







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## Bloom's Taxonomy

### LEVEL-I:

#### Knowledge/ Remember:

*Can the student recall or remember the information?*

- Arrange
- Choose
- Define
- Describe
- Find
- How
- Label
- List
- Match
- Name
- Relate
- Recall
- Show
- What

### LEVEL-II:

#### Comprehension/ Understand:

*Can the student explain ideas or concepts?*

- Classify
- Compare
- Convert
- Explain
- Express
- Illustrate
- Outline
- Relate
- Show
- Summarize
- Translate

## Bloom's Taxonomy

### LEVEL-III:

#### Application/ Apply:

*Can the student use information in a new way?*

- Construct
- Develop
- Discover
- Identify
- Interview
- Modify
- Predict
- Practice
- Solve

### LEVEL-IV:

#### Analysis/ Analyze:

*Can the student distinguish between the different parts?*

- Categorize
- Classify
- Compare
- Distinguish
- Generate
- Examine
- Interpret
- Operate
- Simplify





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## Bloom's Taxonomy

### LEVEL-V:

#### Evaluation/ Evaluate:

*Can the student justify a stand or decision?*

- Assess
- Choose
- Compare
- Determine
- Evaluate
- Explain
- Interpret
- Justify
- Measure
- Prioritize
- Prove
- Select

### LEVEL-VI:

#### Synthesis/ Create :

*Can the student create new product or point of view?*

- Choose
- Compile
- Compose
- Construct
- Create
- Develop
- Discuss
- Elaborate
- Estimate
- Formulate
- Maximize
- Minimize
- Modify
- Propose
- Solve





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## 7. Lecture Plan Along with Class Test Schedule (Test 1 & Test 2)

Lecture No.	Module No.	CO	TOPIC ENTITLED	Remarks, if any
1.	1	1	Introduction to Syllabus, Definition and scope of anatomy and physiology	
2.	1	1	Levels of structural organization and body systems	
3.	1	1	Basic life processes, homeostasis & basic anatomical terminology	
4.	1	1	Structure and functions of cell & transport across cell membrane	
5.	1	1	Cell division & Cell junctions	
6.	1	1	Cell division & Cell junctions	
7.	1	1	General principles of cell communication	
8.	1	1	Intracellular signalling pathway activation by extracellular signal molecule & Forms of intracellular signalling	
9.	1	1	Tissue level of organization	
10.	1	1	Tissue level of organization	
			<b>Class Test-1</b>	
11.	2	2	Integumentary System: Structure and functions of skin	
12.	2	2	Integumentary System: Structure and functions of skin	
13.	2	2	Skeletal system: Divisions of skeletal system	
14.	2	2	Skeletal system: Types of bone	
15.	2	2	Salient features and functions of axial bones	
16.	2	2	Functions of bones of appendicular skeletal system	
17.	2	2	Organization of skeletal muscle, Physiology of muscle contraction	
18.	2	2	Neuromuscular junction	
19.	2	2	Structural and functional classification of Joints	

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20.	2	2	Types of joints movements and its articulation	
			<b>Class Test-2</b>	
21.	3	3	Body fluids, composition and functions of blood	
22.	3	3	Body fluids, composition and functions of blood	
23.	3	3	Hemopoeisis, formation of hemoglobin, anaemia	
24.	3	3	Mechanisms of coagulation	
25.	3	3	Blood grouping & Rh factors	
26.	3	3	Transfusion & its significance	
27.	3	3	Disorders of blood & Reticulo endothelial system	
28.	3	3	Lymphatic organs and tissues	
29.	3	3	Lymphatic vessels	
30.	3	3	Lymph circulation and functions of lymphatic system	
			<b>Class Test-3</b>	
31.	4	4	Classification of peripheral nervous system	
32.	4	4	Origin and functions of spinal and cranial nerve	
33.	4	4	Autonomic Nervous System: structure and functions of sympathetic nervous system	
34.	4	4	Autonomic Nervous System: structure and functions of parasympathetic nervous system	
35.	4	4	Structure and functions of eye & their disorder	
36.	4	4	Structure and functions of ear & their disorder	
37.	4	4	Structure and functions of nose & their disorder	
38.	4	4	Structure and functions of tongue & their disorder	
			<b>Class Test-4</b>	
39.	5	5	Heart – anatomy of heart, blood circulation	
40.	5	5	Blood vessels, structure and functions of artery, vein and capillaries	
41.	5	5	Elements of conduction system of heart and heart beat	

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42.	5	5	Cardiac output, cardiac cycle	
43.	5	5	Regulation of blood pressure & pulse pressure	
44.	5	5	Electrocardiogram	
45.	5	5	Disorders of heart	
			<b>Class Test-5</b>	
			<b>Revision of university Question paper</b>	





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## 8. Lecture Delivery schedule

NAME OF FACULTY: MR. SACHCHIDANAND PATHAK				
SEMESTER: I		Session: 2022-2023		Sec: A+B
SUBJECT & CODE: HAP-I (BP101T)			TOTAL PERIODS: 4	
Lecture No.	CO	TOPIC ENTITLED	Planned Date	Actual Date
1.	1	Introduction to Syllabus, Definition and scope of anatomy and physiology	09.11.2022	09.11.2022
2.	1	Levels of structural organization and body systems	11.11.2022	11.11.2022
3.	1	Basic life processes, homeostasis & basic anatomical terminology	14.11.2022	14.11.2022
4.	1	Structure and functions of cell & transport across cell membrane	15.11.2022	15.11.2022
5.	1	Cell division & Cell junctions	16.11.2022	16.11.2022
6.	1	Cell division & Cell junctions	18.11.2022	18.11.2022
7.	1	General principles of cell communication	25.11.2022	25.11.2022
8.	1	Intracellular signalling pathway activation by extracellular signal molecule & Forms of intracellular signalling	28.11.2022	28.11.2022
9.	1	Tissue level of organization	29.11.2022	29.11.2022
10.	1	Tissue level of organization	30.11.2022	30.11.2022
		<b>Class Test-1</b>	30.11.2022	
11.	2	Integumentary System: Structure and functions of skin	2.12.2022	2.12.2022
12.	2	Integumentary System: Structure and functions of skin	5.12.2022	5.12.2022
13.	2	Skeletal system: Divisions of skeletal system	6.12.2022	6.12.2022
14.	2	Skeletal system: Types of bone	12.12.2022	12.12.2022
15.	2	Salient features and functions of axial bones	13.12.2022	13.12.2022
16.	2	Functions of bones of appendicular skeletal system	14.12.2022	14.12.2022
17.	2	Organization of skeletal muscle, Physiology of muscle contraction	16.12.2022	16.12.2022
18.	2	Neuromuscular junction	19.12.2022	19.12.2022
19.	2	Structural and functional classification of Joints	20.12.2022	20.12.2022
20.	2	Types of joints movements and its articulation	21.12.2022	21.12.2022
		<b>Class Test-2</b>	27.12.2022	
21.	3	Body fluids, composition and functions of blood	23.12.2022	23.12.2022
22.	3	Body fluids, composition and functions of blood	26.12.2022	26.12.2022







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23.	3	Hemopoiesis, formation of hemoglobin, anaemia	27.12.2022	27.12.2022
24.	3	Mechanisms of coagulation	28.12.2022	28.12.2022
25.	3	Blood grouping & Rh factors	02.01.2023	02.01.2023
26.	3	Transfusion & its significance	04.01.2023	04.01.2023
27.	3	Disorders of blood & Reticulo endothelial system	06.01.2023	06.01.2023
28.	3	Lymphatic organs and tissues	30.01.2023	30.01.2023
29.	3	Lymphatic vessels	31.01.2023	31.01.2023
30.	3	Lymph circulation and functions of lymphatic system	01.02.2023	01.02.2023
		<b>Class Test-3</b>	01.02.2023	
31.	4	Classification of peripheral nervous system	01.02.2023	01.02.2023
32.	4	Origin and functions of spinal and cranial nerve	03.02.2023	03.02.2023
33.	4	Autonomic Nervous System: structure and functions of sympathetic nervous system	04.02.2023	04.02.2023
34.	4	Autonomic Nervous System: structure and functions of parasympathetic nervous system	04.02.2023	04.02.2023
35.	4	Structure and functions of eye & their disorder	06.02.2023	06.02.2023
36.	4	Structure and functions of ear & their disorder	08.02.2023	08.02.2023
37.	4	Structure and functions of nose & their disorder	10.02.2023	10.02.2023
38.	4	Structure and functions of tongue & their disorder	11.02.2023	11.02.2023
		<b>Class Test-4</b>	07.02.2023	
39.	5	Heart – anatomy of heart, blood circulation	15.02.2023	15.02.2023
40.	5	Blood vessels, structure and functions of artery, vein and capillaries	20.02.2023	20.02.2023
41.	5	Elements of conduction system of heart and heart beat	21.02.2023	21.02.2023
42.	5	Cardiac output, cardiac cycle	22.02.2023	22.02.2023
43.	5	Regulation of blood pressure & pulse pressure	28.02.2023	28.02.2023
44.	5	Electrocardiogram	29.02.2023	29.02.2023
45.	5	Disorders of heart	29.02.2023	29.02.2023
		<b>Class Test-5</b>	29.02.2023	
		<b>Revision of university Question paper</b>		
		<b>Total No. of Lectures Planned: 45</b>		
		<b>Total No. of Lectures Held: 45</b>		





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00-123-321-123

## 9. LIST OF STUDENTS

S. No.	ROLL NO.	STUDENTS NAME
1.	2205510500001	ABHAY KUMAR YADAV
2.	2205510500002	ABHINAV TRIPATHY
3.	2205510500003	ABHISHEK KUMAR
4.	2205510500004	ABHISHEK KUMAR CHOUBEY
5.	2205510500005	ABHISHEK PANDEY
6.	2205510500006	ADITYA KUMAR
7.	2205510500007	ADITYA VISHWAKARMA
8.	2205510500008	AKASH CHOUBEY
9.	2205510500009	AKASH SINGH
10.	2205510500010	ALOK SHARMA
11.	2205510500011	AMAN KUMAR YADAV
12.	2205510500012	AMAN TRIPATHI
13.	2205510500013	ANCHAL MISHRA
14.	2205510500014	ANMOL KUMAR
15.	2205510500015	ANSH PANDEY
16.	2205510500016	ANSHIK JAIN
17.	2205510500017	ANUBHAV SINGH
18.	2205510500018	ANURAG KUMAR
19.	2205510500019	ARYAN KUMAR
20.	2205510500020	ASHISH YADAV
21.	2205510500021	ASHUTOSH SINGH
22.	2205510500022	ASHWANI SINGH
23.	2205510500023	ATUL KUMAR
24.	2205510500024	AVATANSH MISHRA
25.	2205510500025	AVINASH YADAV
26.	2205510500026	AVIRAL ARYA
27.	2205510500027	AYUSH CHAURASIYA
28.	2205510500028	AYUSH KUMAR SRIVASTAVA
29.	2205510500029	AYUSH MISHRA
30.	2205510500030	AYUSH PRATAP SINGH
31.	2205510500031	DEEP DEV







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32.	2205510500032	DHAWAL SONI
33.	2205510500033	DIVYANSHU SHARMA
34.	2205510500034	EKTA YADAV
35.	2205510500035	HARSH DEV SINGH
36.	2205510500036	HARSH KUMAR MODANWAL
37.	2205510500037	HEMRAJ KUMAR
38.	2205510500038	HITESH TRIPATHI
39.	2205510500039	JAGRITI MAURYA
40.	2205510500040	KAJAL YADAV
41.	2205510500041	KANOJIYA ROHIT MAHENDRAPRATAP
42.	2205510500042	KHUSHBOO YADAV
43.	2205510500043	KISHNAKANT SINGH CHAUHAN
44.	2205510500044	KRISHNA NAND SHARMA
45.	2205510500045	KUMAR SAHIL
46.	2205510500046	KUNWAR PRATAP SINGH
47.	2205510500047	MADHU SINGH
48.	2205510500048	MANGESH VISHWAKARMA
49.	2205510500049	MAYANK MISHRA
50.	2205510500050	MAYANK MISHRA
51.	2205510500051	MO. ARMAN SHEKH
52.	2205510500052	MOHD. TAUSIF KHAN
53.	2205510500053	NANDANI KUSHWAHA
54.	2205510500054	NIHARIKA UPADHYAY
55.	2205510500055	NISHANT TIWARI
56.	2205510500056	PAL SONI OMPRAKASH
57.	2205510500057	PIYUSH PATEL
58.	2205510500058	PRACHI SINGH VERMA
59.	2205510500059	PRAJVAL PANDEY
60.	2205510500060	PRASHANT KUMAR YADAV
61.	2205510500061	PRATHAM JAISWAL
62.	2205510500062	PRAVEEN SINGH
63.	2205510500063	PRINC VERMA
64.	2205510500064	PRINCE MISHRA

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65.	2205510500065	PRIYANSHU PANDEY
66.	2205510500066	RAGINI SINGH
67.	2205510500067	RAHUL SINGH
68.	2205510500068	RAJ MISHRA
69.	2205510500069	RAJU KUMAR
70.	2205510500070	RAKESH KUMAR GUPTA
71.	2205510500071	RAMAN KUMAR
72.	2205510500072	RAVI PRAKASH TIWARI
73.	2205510500073	RISHAB PRAVESH GUPTA
74.	2205510500074	RITESH KUMAR YADAV
75.	2205510500075	SACHIN KUMAR SONI
76.	2205510500076	SANJEEV KUMAR
77.	2205510500077	SANTOSH GUPTA
78.	2205510500078	SATYAM SINGH
79.	2205510500079	SATYAM TIWARI
80.	2205510500080	SAUMYA PANDEY
81.	2205510500081	SHIVAM TIWARI
82.	2205510500082	SHRESHTHI SINGH
83.	2205510500083	SHREYA GUPTA
84.	2205510500084	SHRIKANT
85.	2205510500085	SHUBHAM GUPTA
86.	2205510500086	SHUBHAM PANDEY
87.	2205510500087	SUGANDH KUMAR CHOUDHARY
88.	2205510500088	SUJATA SINGH
89.	2205510500089	SUPRIYA RAI
90.	2205510500090	SURAJ PAL
91.	2205510500091	SURUCHI KUMARI
92.	2205510500092	TRIPTI SHARMA
93.	2205510500093	UDAY SINGH GANDHI
94.	2205510500094	UJJAVAL CHAUHAN
95.	2205510500095	UTKARSH SINGH
96.	2205510500096	VAIBHAV MISHRA
97.	2205510500097	VARAD SINGH
98.	2205510500098	VARCHSVA SISODIYA

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99.	2205510500099	VIKASH YADAV
100.	2205510500100	VINIT YADAV
101.	2205510500101	VIPIN KUMAR VERMA
102.	2205510500102	VISHAL PANDEY
103.	2205510500103	VISHAL YADAV
104.	2205510500104	YADAV ADITYA MAHENDRA
105.	2205510500105	YOGESH MISHRA





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## 10. INTRODUCTORY CLASSES

1. Name of the Faculty Member: **Mr. Sachchidanand Pathak**
2. Did you teach this/ similar subject earlier in any class?: **YES**
3. **Class Room Management** - When you enter the class observe the following:  
**EVERYTHING IS FIND OK.**
  - (a) Students should get up & pay compliments; if not teach them to do so and Reply back & tell them to sit down
  - (b) See that the seating arrangement is proper. If required make changes.
  - (c) Ask General Welfare of the students especially hosteller regarding their mess & food.
  - (d) In case any particular student is found not cheerful, ask the reason & do the needful.
  - (e) Make the students aware of General Discipline, Dress Code, Attendance and class etiquettes.
  - (f) Emphasize importance of taking down notes in separate copies for different subjects, keeping in step with the class and Establish importance of asking questions.
  - (g) Importance of communication in English for the professionals.
4. When you find that the students are comfortable and ready to listen, then talk on the following points: **YES**
  - (a) Introduce yourself i.e. Name, qualification and experience in research etc. and any other information which may influence the students to regard you as their teacher/ guide or mentor.
  - (b) Introduce the subject to be taught highlighting the following:
    - ❖ Course Objectives
    - ❖ Course Outcomes
    - ❖ Expectations from the students after attending the Course
    - ❖ Evaluation Scheme, Syllabus and Books
    - ❖ Course Delivery to include – Total number of Units to be taught in the semester, number of Units to be covered up before 1<sup>st</sup> sessional, tests, sessional test schedules, duration and course coverage in the tests, number of assignments/ quizzes, sessional marks policy etc.
    - ❖ Importance and relevance of the subject in Pharmacy.







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- ❖ Its importance for career in the industry & likely career avenues, Need of the knowledge in human life, at national & international level.
  - ❖ Brief summary of the subject taught in previous semester (to connect the current subject with the subject taught earlier-pre-requisites).
  - ❖ Clarify doubts, if any, about the curriculum and about any other matter.
- (c) Create interest amongst the students so that they will eagerly wait to attend your classes.
- (d) Provide information about various co-curricular and extra-curricular activities and clubs in the college and emphasize their importance for their overall personality development and help in placement. Also inform the incentive schemes for their participation in such activities within the college and outside.
- (e) Provide information about technical Society/ professional magazines being promoted by the department and various Centres of Excellence in the college.
5. Just before the end of the class, enquire if they have any comments or suggestion.
6. Submit the report to the HOD after the introductory class.

## Observations/ Report

As per the instructions above, everything was done and it was observed that students are more enthusiastic towards the learning of this subject in coming lectures. Also the pre requisite questions were done on the spot by students.





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## 11. PLAN SUMMARY OF ASSIGNMENT

KASHI INSTITUTE OF PHARMACY			
SUMMARY OF ASSIGNMENT-B.PHARM SEM-I			
Subject: Human Anatomy & Physiology-I			Session: 2022-23
Sub Code: BP101			
S.NO	Assignment	Planned Date	Actual Date
1	Assignment-1	28.11.2022	28.11.2022
2	Assignment-2	16.12.2022	16.12.2022
3	Assignment-3	02.01.2022	02.01.2022
4	Assignment-4	31.01.2022	31.01.2022
5	Assignment-5	15.02.2022	15.02.2022





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## 12. UNIT WISE ASSIGNMENTS

KASHI INSTITUTE OF PHARMACY			
PROGRAM : Pharmacy (B. Pharm)		Semester: I	
COURSE CODE : BP101T			
COURSE: Human Anatomy & Physiology-I		MM: 10	
Assignment-I			
Sr. No.	Assignment Question	Mapped CO's	Bloom Level
1.	Explain the Cell division. Discuss about the somatic cell division in details.	CO1	L2
2.	Give the basic human life process.	CO1	L1
3.	Enumerate the different types of tissue.	CO1	L2
4.	Explain the intracellular signaling process.	CO1	L2
5.	Write a short note on cell junction.	CO1	L1

KASHI INSTITUTE OF PHARMACY			
PROGRAM : Pharmacy (B. Pharm)		Semester: I	
COURSE CODE : BP101T			
COURSE: Human Anatomy & Physiology-I		MM: 10	
Assignment-II			
Sr. No.	Assignment Question	Mapped CO's	Bloom Level
1.	Write a short note on different layer of Skin.	CO2	L2
2.	Explain the different type of joints.	CO2	L2
3.	Write a short note on different type of joints.	CO2	L1
4.	Give the physiology of muscle contraction.	CO2	L1
5.	Give the different types of joint movement.	CO2	L1







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KASHI INSTITUTE OF PHARMACY			
PROGRAM : Pharmacy (B. Pharm)		Semester: I	
COURSE CODE : BP101T		MM: 10	
COURSE: Human Anatomy & Physiology-I			
Assignment-III			
Sr. No.	Assignment Question	Mapped CO's	Bloom Level
1.	Give the composition of blood.	CO3	L2
2.	Write a short note on lymphatic system.	CO3	L1
3.	Explain the different type of blood group. Illustrate the Rbc life cycle.	CO3	L2
4.	Explain the mechanism of blood coagulation.	CO3	L2
5.	Write a short note on blood disorder.	CO3	L1

KASHI INSTITUTE OF PHARMACY			
PROGRAM : Pharmacy (B. Pharm)		Semester: I	
COURSE CODE : BP101T		MM: 10	
COURSE: Human Anatomy & Physiology-I			
Assignment-IV			
Sr. No.	Assignment Question	Mapped CO's	Bloom Level
1.	Give the classification of peripheral nervous system.	CO4	L1
2.	Write a short note on parasympathetic nervous system.	CO4	L1
3.	Write the name and function of cranial nerve.	CO4	L2
4.	Explain the sympathetic nervous system.	CO4	L2
5.	Draw a well labeled diagram of eye.	CO4	L2





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KASHI INSTITUTE OF PHARMACY			
PROGRAM : Pharmacy (B. Pharm)		Semester: I	
COURSE CODE : BP101T			
COURSE: Human Anatomy & Physiology-I		MM: 10	
Assignment-V			
Sr. No.	Assignment Question	Mapped CO's	Bloom Level
1.	Give the structure and function of heart.	C05	L2
2.	Give the structure and function of artery & vein.	C05	L1
3.	Write a short note on conduction system of heart.	C05	L2
4.	Explain the heart regulation by autonomic nervous system.	C05	L2
5.	Draw a well labeled diagram of Heart. Illustrate the cardiac cycle in details.	C05	L2





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## 13. & 14. SOLUTION OF ASSIGNMENTS AND MARKS

KASHI INSTITUTE OF  
PHARMACY  
MIRZAMURAD, VARANASI

ASSIGNMENT - 01

NAME — ABHISHEK PANDEY

7/10

CLASS — B. Pharm 1<sup>st</sup> Y

SUBJECT — HAP-I

TOPIC — Cell Organelle, Muscular Tissue,  
Connective Tissue, Mitochondria, and  
Cell.

SUBMITTED TO

ASST. PROF. S. PATHAK

SUBMITTED BY

ABHISHEK PANDEY







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\* Organelles without membrane:-

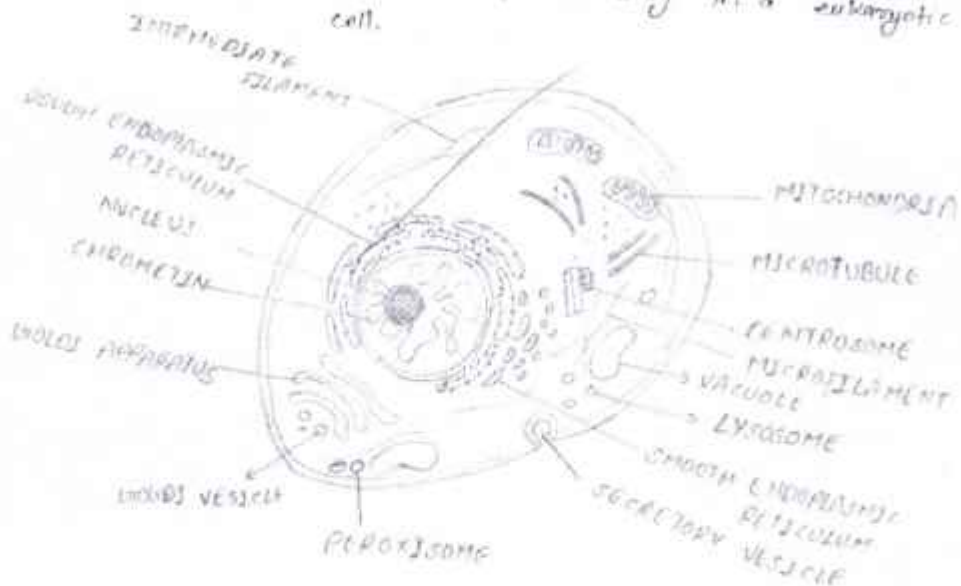
The cell wall, Ribosomes, and cytoskeleton are non-membrane-bound cell organelles. They are present both in the prokaryotic cell and the eukaryotic cell.

\* Single membrane-bound organelles:-

Vacuole, Lysosome, Golgi Apparatus, Endoplasmic Reticulum are single membrane-bound organelles present only in eukaryotic cell.

\* Double membrane-bound organelles:-

Nucleus, mitochondria and chloroplast are double membrane-bound organelles present only in a eukaryotic cell.





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Kashi Institute of  
Pharmacy

Mirzamurad Varanasi

## ASSIGNMENT - 02

Name - Ashish Yadav

Class - B. Pharm 1<sup>st</sup> year

Subject - HAP - I

Topic - Joint disorder, types of joint, Skeletal muscles, Bone, Skeleton

Submitted To

Asst. Prof. S. Pathak

Submitted By

Ashish Yadav





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## \* JOINT DISORDERS \*

### Introduction :-

"Joint disorders are diseases or injuries that affects your joints." Injuries can happen because of overuse of a joint. Or you could have a sudden injury, such as an accident or a sports injury.

Some of the common joint disorders are:

### \* Arthritis :-

Arthritis is the swelling and tenderness of one or more joints. The main symptoms of arthritis are joint pain and stiffness which typically worsen with age. The most types of arthritis are osteoarthritis and rheumatoid arthritis.

### Symptoms :-

The most common signs and symptoms of arthritis involve the joints. Depending on the type of arthritis signs and symptoms may include --

- Pain
- Stiffness
- Swelling
- Redness
- Decreased range of motion

### (A) Osteoarthritis :-

Osteoarthritis or degenerative arthritis is a common disease of joints that involves inflammation, pain and degeneration of joints. The word osteoarthritis is derived from greek word where osteo means bone, arthra means joint and itis means inflammation. It is also known as degenerative joint disease or arthrosis.







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KASHI INSTITUTE OF  
PHARMACY

MIRZAMURAD VARANASI

ASSIGNMENT - 03

NAME — Ayush Chauhan

8/10

CLASS — B. Pharm 1<sup>st</sup> y

SUBJECT — HAP - I

TOPIC — Lymphatic system, Blood formation and coagulation, Blood circulation, RAS and formed elements.

SUBMITTED TO —

ASST. PROF. S. PATHAK

SUBMITTED

BY —

Ayush Chauhan





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## LYMPHATIC SYSTEM

### LYMPHATIC SYSTEM

Definition → The lymphatic system form a closed network of lymph vessels through which lymph circulates all over the body. The flow of lymphatic fluid is unidirectional from tissue spaces to the blood.

### Composition of Lymphatic System

- (i) Lymph a fluid.
- (ii) Lymphatic vessels that transport the lymph.
- (iii) Lymph nodes through which lymph passes before returning to the blood.
- (iv) Red Bone Marrow where stem cells develop into various types of blood cells including lymphocytes.

### Lymph Nodes





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Pharmacy  
[MIRZAMURAD, varanasi]

## ASSIGNMENT - OA

NAME - Kaishinkant Chauhan

CLASS - B-Pharm 1<sup>st</sup> y

Subject - HAP-I

TOPIC = Ear, spinal cord, eye, tongue and  
(PNS)

SUBMITTED TO -

ASST. PROF. S. PATHAK

SUBMITTED BY

Kaishinkant Chauhan







Page No.	
Date	/ /

## Human Ear

Ears are one of the five sensory organs of our body. Other than hearing, the main function is to maintain the balance of the body. Structure of ear comprises three main sections:

- The outer ear, • middle ear and • inner ear.

Structure of ear is an important concept to learn in detail from exam perspective.

The hair cells present in the inner ear of mammals help in sensing the position of the body, in accordance with gravity and maintain the equilibrium.

## Outer Ear

### Parts of Outer ear

- Pinna -

It is the outermost part, it has very fine hairs and glands. The glands secrete wax. It protects foreign organisms and dust from entering. The curved S-shaped tube about 2.5 cm, its outer  $\frac{1}{3}^{\text{rd}}$  is elastic cartilage and its inner  $\frac{2}{3}^{\text{rd}}$  is bony in nature.





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Kashi Institute of

Pharmacy

(Mirzamurad varanasi)

ASSIGNMENT - 05

$\frac{8}{10}$

Name - Saunya Pandey

Class - B. Pharm 1<sup>st</sup> y

Subject - HAP-I

Topic - Heart, blood pressure, cardiac cycle, blood group and sterling law

Submitted To

ASST. Prof. S. Pathak

Submitted by

Saunya Pandey



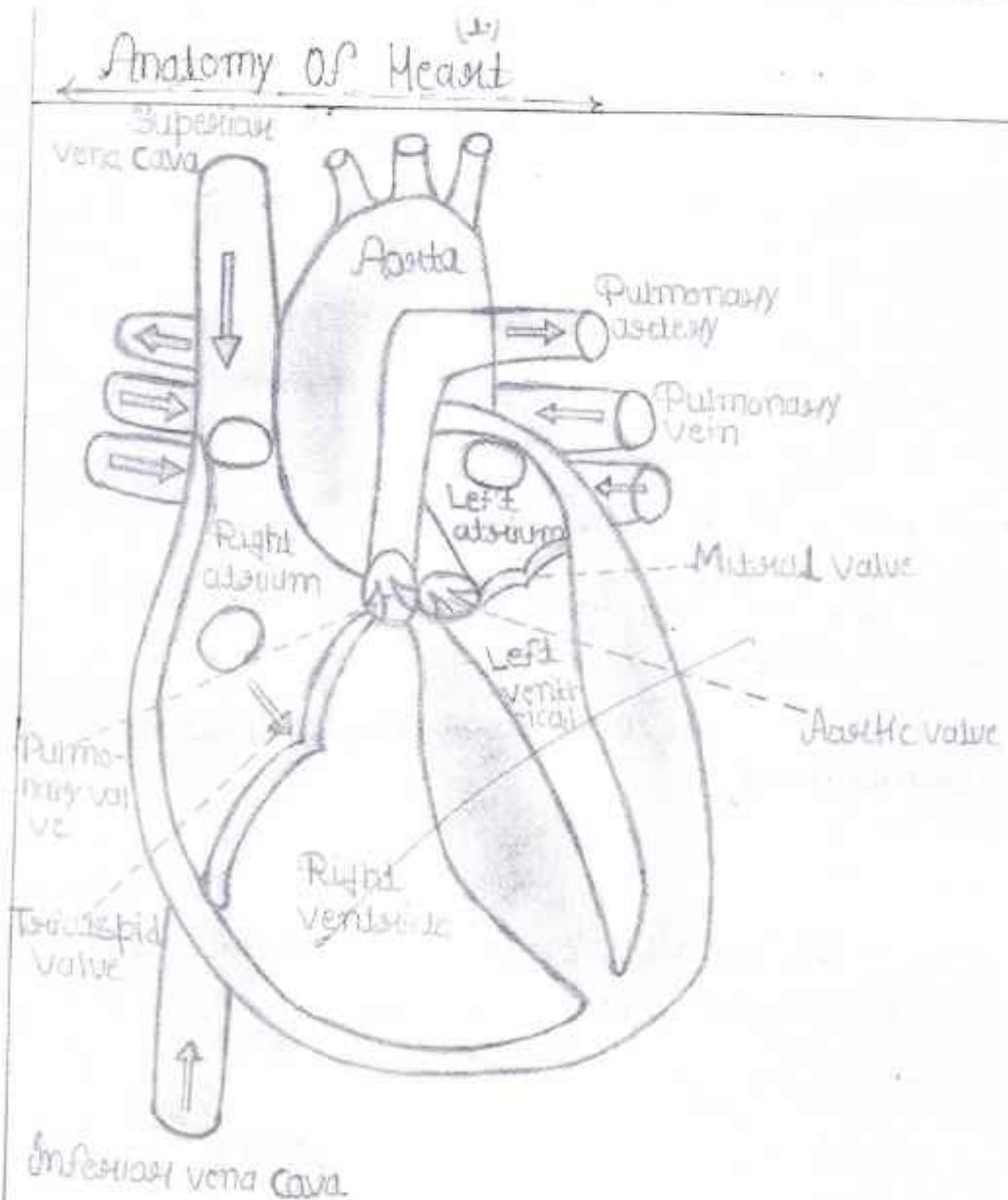


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- Location of heart left side in the body - thoracic part.
- Heart present in thoracic cavity.
- Heart is covered by layer -







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## 15. MENTOR – MENTEE LIST

S. No.	Roll Number	Student's Name (Mentee)	Father's Name	Mentor
1.	220551050001	Abhay Kumar Yadav	Munna Yadav	Miss Sakshi Srivastava
2.	220551050002	Abhinav Tripathi	Shailendra Tripathi	
3.	220551050003	Abhishek Kumar	Rajan Prasad	
4.	220551050004	Abhishek Kumar Choubey	Ramesh Choubey	
5.	220551050005	Abhishek Pandey	Chandra Shekhar Pandey	
6.	220551050006	Aditya Kumar	Brijesh Kumar Singh	
7.	220551050007	Aditya Vishwakarma	Islwari Narayan	
8.	220551050008	Akash Choubey	Smit Kumar Choubey	
9.	220551050010	Alok Sharma	Jitendra Kumar Sharma	
10.	220551050012	Anam Tripathi	Dharmendra Tripathi	
11.	220551050013	Anchal Mishra	Arun Kumar Mishra	
12.	220551050014	Anmol Kumar	Ganesh Prasad	
13.	220551050015	Ansh Pandey	Raj Kumar Pandey	
14.	220551050016	Anshik Jain	Arun Kumar Jain	
15.	220551050017	Amubhav Singh	Ajay Kumar Singh	
16.	220551050018	Anurag Kumar	Rakesh Kumar	
17.	220551050019	Aryan Kumar	Smit Kumar Rai	
18.	220551050020	Ashish Yadav	Mata Prasad Yadav	
19.	220551050021	Ashutosh Singh	Sanjeev Kumar Singh	
20.	220551050022	Ashwani Singh	Arvind Kumar Singh	
21.	220551050023	Atul Kumar	Daya Shankar Singh	
22.	220551050024	Avatanish Mishra	Pritam Mishra	
23.	220551050025	Avinash Yadav	Avadesh Kumar Yadav	
24.	220551050026	Aviral Arya	Yogesh Kumar Arya	
25.	220551050027	Ayush Charasija	Shiv Kumar Charasija	
26.	220551050028	Ayush Kumar Srivastava	Smit Kumar Srivastava	
27.	220551050029	Ayush Mishra	Arun Kumar Mishra	
28.	220551050030	Ayush Pratap Singh	Uday Pratap Singh	
29.	220551050031	Deep Dev	Mahadev Keshurwani	
30.	220551050032	Dhawal Soni	Santosh Sethi	
31.	220551050033	Divyanshu Sharma	Santosh Kumar Sharma	
32.	220551050034	Ekta Yadav	Vijay Prakash Yadav	
33.	220551050035	Hrush Dev Singh	Ravi Balak Singh	
34.	220551050037	Hemraj Kumar	Vinay Kumar	
35.	220551050038	Hitesh Tripathi	Mansi Kumar Tripathi	
36.	220551050039	Jagrithaurya	Sabbajee Maurya	
37.	220551050040	Kajal Yadav	Batuk Prasad Yadav	
38.	220551050041	Kanujiya Rajat Mahendra Pratap	Mahendra Pratap Kanujiya	
39.	220551050042	Kunshboo Yadav	Ramesh Yadav	
40.	220551050043	Krishankant Singh Chauthan	Nanda Singh Chauthan	
41.	220551050044	Krishnamand Sharma	Jibodh Sharma	
42.	220551050045	Kumar Sahil	Paras Nath Yadav	
43.	220551050046	Kumar Pratap Singh	Swatantra Kumar Singh	
44.	220551050047	Madhur Singh	Satish Kumar Singh	
45.	220551050048	Mangesh Vishwakarma	Pappu Vishwakarma	
46.	220551050049	Mayank Mishra	Ajay Mishra	
47.	220551050050	Mayank Mishra	Ramesh Mishra	
48.	220551050051	Mo. Amam Sheikh	Mo. Saleem Sheikh	
49.	220551050052	Mohd. Tausif Khan	Imran Khan	
50.	220551050053	Nandani Kishorenia	Pran Kishorenia	
51.	220551050054	Niharika Upadhyay	Arvind Kumar Upadhyay	
52.	220551050055	Nishant Tiwari	Kamlesh Tiwari	
53.	220551050056	Pal Soni Omprakash	Omprakash Pal	
54.	220551050057	Piyushi Patel	Ravindraanath	
55.	220551050058	Prachi Singh Verma	Jay Prakash Verma	
56.	220551050059	Pravjal Pandey	Brijesh Kumar Pandey	



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57.	2205510500060	Prasant Kumar Yadav	Vinod Yadav	Mr. Deepak Kumar
58.	2205510500061	Pratham Jaiswal	Vinay Kumar Jaiswal	
59.	2205510500062	Praveen Singh	Shriram Ray	
60.	2205510500063	Prince Mishra	Rajesh Mishra	
61.	2205510500064	Princ Verma	Ajay Kumar Verma	
62.	2205510500065	Priyanshu Pandey	Ajay Pandey	
63.	2205510500066	Ragini Singh	Rajkumar Singh	
64.	2205510500067	Rahul Singh	Pancham Singh	
65.	2205510500068	Raj Mishra	Ashok Kumar	
66.	2205510500069	Raju Kumar	Ladhar	
67.	2205510500070	Rakesh Kumar Gupta	Rajaram Gupta	Mr. Om Prakash Verma
68.	2205510500071	Raman Kumar	Ramkant Chauhan	
69.	2205510500072	Ravi Prakash Tiwari	Ravi Prakash Tiwari	
70.	2205510500073	Rishab Pravesh Gupta	Ram Pravesh Gupta	
71.	2205510500074	Ritesh Kumar Yadav	Ram Shrangar Yadav	
72.	2205510500075	Sachin Kumar Soni	Ramashankar Seth	
73.	2205510500076	Sanjeer Kumar	Dinesh Kumar	
74.	2205510500077	Santosh Gupta	Mangala Prasad Gupta	
75.	2205510500078	Satyam Singh	Prabhatkar Singh	
76.	2205510500079	Satyam Tiwari	Shrilesh Tiwari	
77.	2205510500080	Saunhya Pandey	Akhilesh Kumar Pandey	Mr. Rahul Sharma
78.	2205510500081	Shivam Tiwari	Shashi Shekhar Tiwari	
79.	2205510500082	Suresh Chandra Singh	Ranjay Singh	
80.	2205510500083	Sureya Gupta	Rishkant Gupta	
81.	2205510500084	Shrikant	Chandra Bali	
82.	2205510500085	Shubham Gupta	Tanman Gupta	
83.	2205510500086	Shubham Pandey	Deep Chandra Pandey	
84.	2205510500087	Sugandha Kumar Chowdhary	Madhusudan Kumar	
85.	2205510500088	Sujata Singh	Ajay Singh	
86.	2205510500089	Sapriya Rai	Shiv Bilash Rai	
87.	2205510500090	Suraj Pal	Hiralal	
88.	2205510500091	Suruchi Kumari	Om Prakash Ojha	
89.	2205510500092	Tripti Sharma	Sri Ram Sharma	
90.	2205510500093	Uday Singh Gaudhii	Durga Prasad Gaudhii	
91.	2205510500094	Ujjwal Chandra	Jaswant Chandra	
92.	2205510500095	Utkarsh Singh	Rakesh Kumar Singh	
93.	2205510500096	Vaibhav Mishra	Abhishek Kumar Mishra	
94.	2205510500097	Varad Singh	Ashish Kumar Singh	
95.	2205510500098	Varchya Sisodia	Arun Kumar Singh	
96.	2205510500099	Vikash Yadav	Balban Yadav	
97.	2205510500100	Vinit Yadav	Suresh Kumar	
98.	2205510500101	Vipin Kumar Verma	Rewati Ranam Verma	
99.	2205510500103	Vishal Yadav	Gulab	
100.	2205510500104	Yadav Aditya Mohendra	Mahendra Pratap Yadav	
101.	2205510500105	Yogesh Mishra	Vinay Jeet Mishra	
102.		Om Shankar Pandey		Mrs. Sueba Yadav



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## Mentor-Mentee Record

KASHI INSTITUTE OF PHARMACY								
MIRZAMURAD VARANASI								
2022-23								
COURSE & PHASE			YEAR/SEMESTER			SECTION/E		
S.NO	MENTOR	ENROLLMENT NUMBER	MENTEE	Sign. of Mentor	Date of Meeting	Issue Raised	Issue Resolved/Action Taken	Remark
1	Dr. Deepak Kumar	57	Piyush Patel	Piyush				
2		58	Pooja Singh Verma	Pooja				
3		59	Pravul Pandey	Pravul				
4		60	Rishabh K. Yadav	Rishabh				
5		61	Rathan Singh	Rathan				
6		62	Pravraj Singh	Pravraj				
7		63	Prince Verma	Prince				
8		64	Prayanshu Pandey	Prayanshu				
9		65	Ragini Singh	Ragini				
10		67	Abdul Singh	Abdul				
11								
12								
13								
14								
15								
16								
17								
18								
Sign of Mentor					Sign of HOD			







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## 16. QUESTION PAPER (Sessional)

Name: .....

Roll No. ....



### KASHI INSTITUTE OF PHARMACY

Varanasi-Allahabad Road, Mirzamurad, Varanasi (U.P.)

1<sup>st</sup> Sessional, Odd Semester, 2022-2023

B. Pharm- 1<sup>st</sup> Semester

Subject Name: HAP-I (BP101T)      Time: 1 hr      MM: 30

#### (SECTION-A)

Note- Attempt ALL questions from this section. (10X1=10)

- Q.1- Introduce various body system with their function.
- Q.2- Write a note on scope of anatomy and physiology?
- Q.3- Write the function of cell?
- Q.4- Plasma membrane is a selectively permeable membrane'. Comment.
- Q.5- Write a note on nucleus?
- Q.6- Define anatomy & Physiology.
- Q.7- What do you understand by the term anatomical terminology. Give any two examples.
- Q.8- What is a coronal plane?
- Q.9- Write a note on Cardiac Cycle?
- Q.10- What is basic life process?

#### (SECTION-B)

Note- Attempt ANY TWO questions from this section. (2X5=10)

- Q1. Explain the conduction system of Heart.
- Q2. Write a note on homeostasis and its regulation.
- Q3. Illustrate the structure of skin with suitable diagram.

#### (SECTION-C)

Note- Attempt ANY ONE question from this section. (1X10=10)

- Q1. Mention the different type of connective tissue and details about the cartilage.
- Q2. Write a short note on followings: (5X2=10)
  - (a) Circulation of Blood
  - (b) Stroke Volume & Cardiac Output
  - (c) Anatomy of Heart
  - (d) Electrocardiogram
  - (e) Dense Connective tissue



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6	2205510500006	ADITYA KUMAR	6
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9	2205510500009	AKASH SINGH	12
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11	2205510500011	AMAN KUMAR YADAV	0
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16	2205510500016	ANSHIK JAIN	10
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18	2205510500018	ANURAG KUMAR	8
19	2205510500019	ARYAN KUMAR	14
20	2205510500020	ASHISH YADAV	10
21	2205510500021	ASHUTOSH SINGH	8
22	2205510500022	ASHWANI SINGH	8
23	2205510500023	ATUL KUMAR	6
24	2205510500024	AVATANSH MISHRA	8
25	2205510500025	AVINASH YADAV	6
26	2205510500026	AVIRAL ARYA	6
27	2205510500027	AYUSH CHAURASIYA	7
28	2205510500028	AYUSH KUMAR SRIVASTAVA	13
29	2205510500029	AYUSH MISHRA	10
30	2205510500030	AYUSH PRATAP SINGH	8
31	2205510500031	DEEP DEV	9
32	2205510500032	DHAWAL SONI	8
33	2205510500033	DIVYANSHU SHARMA	7
34	2205510500034	EKTA YADAV	8
35	2205510500035	HARSH DEV SINGH	10
36	2205510500036	HARSH KUMAR MODANWAL	10
37	2205510500037	HEMRAJ KUMAR	9
38	2205510500038	HITESH TRIPATHI	6





39	2205510500039	JAGRITI MAURYA	8
40	2205510500040	KAJAL YADAV	5
41	2205510500041	KANOJIYA ROHIT MAHENDRAPRATAP	8
42	2205510500042	KHUSHBOO YADAV	14
43	2205510500043	KISHNAKANT SINGH CHAUHAN	8
44	2205510500044	KRISHNA NAND SHARMA	8
45	2205510500045	KUMAR SAHIL	5
46	2205510500046	KUNWAR PRATAP SINGH	6
47	2205510500047	MADHU SINGH	6
48	2205510500048	MANGESH VISHWAKARMA	9
49	2205510500049	MAYANK MISHRA- I	10
50	2205510500050	MAYANK MISHRA- II	6
51	2205510500051	MO. ARMAN SHEKH	6
52	2205510500052	MOHD. TAUSIF KHAN	10
53	2205510500053	NANDANI KUSHWAHA	8
54	2205510500054	NIHARIKA UPADHYAY	7
55	2205510500055	NISHANT TIWARI	8
56	2205510500056	PIYUSH PATEL	8
57	2205510500057	PRACHI SINGH VERMA	14
58	2205510500058	PRAJVAL PANDEY	5
59	2205510500059	PRASHANT KUMAR YADAV	12
60	2205510500060	PRATHAM JAISWAL	6
61	2205510500061	PRAVEEN SINGH	7
62	2205510500062	PRINCE MISHRA	10
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64	2205510500064	PRIYANSHU PANDEY	7
65	2205510500065	RAGINI SINGH	13
66	2205510500066	RAHUL SINGH	10
67	2205510500067	RAJ MISHRA	4
68	2205510500068	RAJU KUMAR	5
69	2205510500069	RAKESH KUMAR GUPTA	10
70	2205510500070	RAMAN KUMAR	0
71	2205510500071	RAVI PRAKASH TIWARI	8
72	2205510500072	RISHAB PRAVESH GUPTA	10
73	2205510500073	RITESH KUMAR YADAV	5
74	2205510500074	SACHIN KUMAR SONI	10
75	2205510500075	SANJEEV KUMAR	7
76	2205510500076	SANTOSH GUPTA	10
77	2205510500077	SATYAM SINGH	6
78	2205510500078	SATYAM TIWARI	12
79	2205510500079	SAUMYA PANDEY	12
80	2205510500080	SHIVAM TIWARI	6





81	2205510500081	SHRESHTHI SINGH	7
82	2205510500082	SHREYA GUPTA	9
83	2205510500083	SHRIKANT	0
84	2205510500084	SHUBHAM GUPTA	9
85	2205510500085	SHUBHAM PANDEY	10
86	2205510500086	SONI OMPRAKASH PAL	11
87	2205510500087	SUGANDH KUMAR CHOUDHARY	9
88	2205510500088	SUJATA SINGH	8
89	2205510500089	SUPRIYA RAI	8
90	2205510500090	SURAJ PAL	9
91	2205510500091	SURUCHI KUMARI	3
92	2205510500092	TRIPTI SHARMA	9
93	2205510500093	UDAY SINGH GANDHI	7
94	2205510500094	UJJAVAL CHAUHAN	12
95	2205510500095	UTKARSH SINGH	14
96	2205510500096	VAIBHAV MISHRA	0
97	2205510500097	VARAD SINGH	10
98	2205510500098	VARCHSVA SISODIYA	9
99	2205510500099	VIKASH YADAV	14
100	2205510500100	VINIT YADAV	2
101	2205510500101	VIPIN KUMAR VERMA	9
102	2205510500102	VISHAL PANDEY	12
103	2205510500103	VISHAL YADAV	8
104	2205510500104	YADAV ADITYA MAHENDRA	10
105	2205510500105	YOGESH MISHRA	14



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3	2205510500003	ABHISHEK KUMAR	7
4	2205510500004	ABHISHEK KUMAR CHOUBEY	8
5	2205510500005	ABHISHEK PANDEY	14
6	2205510500006	ADITYA KUMAR	8
7	2205510500007	ADITYA VISHWAKARMA	8
8	2205510500008	AKASH CHOUBEY	8
9	2205510500009	AKASH SINGH	8
10	2205510500010	ALOK SHARMA	14
11	2205510500011	AMAN KUMAR YADAV	0
12	2205510500012	AMAN TRIPATHI	10
13	2205510500013	ANCHAL MISHRA	12
14	2205510500014	ANMOL KUMAR	13
15	2205510500015	ANSH PANDEY	8
16	2205510500016	ANSHIK JAIN	7
17	2205510500017	ANUBHAV SINGH	12
18	2205510500018	ANURAG KUMAR	12
19	2205510500019	ARYAN KUMAR	12
20	2205510500020	ASHISH YADAV	7
21	2205510500021	ASHUTOSH SINGH	10
22	2205510500022	ASHWANI SINGH	5
23	2205510500023	ATUL KUMAR	7
24	2205510500024	AVATANSH MISHRA	7
25	2205510500025	AVINASH YADAV	5
26	2205510500026	AVIRAL ARYA	6
27	2205510500027	AYUSH CHAURASIYA	7
28	2205510500028	AYUSH KUMAR SRIVASTAVA	12
29	2205510500029	AYUSH MISHRA	7
30	2205510500030	AYUSH PRATAP SINGH	10
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35	2205510500035	HARSH DEV SINGH	7
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38	2205510500038	HITESH TRIPATHI	5
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59	2205510500059	PRASHANT KUMAR YADAV	9
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64	2205510500064	PRIYANSHU PANDEY	7
65	2205510500065	RAGINI SINGH	12
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68	2205510500068	RAJU KUMAR	6
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74	2205510500074	SACHIN KUMAR SONI	9
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78	2205510500078	SATYAM TIWARI	13
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80	2205510500080	SHIVAM TIWARI	4
81	2205510500081	SHRESHTHI SINGH	10
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96	2205510500096	VAIBHAV MISHRA	0
97	2205510500097	VARAD SINGH	14
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## 18. QUESTION PAPER SOLUTION (Sessional)

Dr. AP JAY Technical University Uttar Pradesh, Lucknow

Examination: Sessional ; Name of Student: Roni

Course: B.Pharm, 1<sup>st</sup> Sem ; Subject Code: HAP-I [21-101-1]

Roll No. : 13104123

Signature of Student: Roni ; Signature of Invigilator:

Marks Obtained:

Section - A

22  
230  
Roni

Ans - 1

Vital body parts & their function are as follow.

- 1) Nervous system → co-ordinate voluntary and involuntary action in the body.
- 2) Respiratory system → It bring oxygen inside and CO<sub>2</sub> outside the body.
- 3) Muscular system → enable the body to move using muscles.

Ans - 2

- ↳ Scientific study of organisms
- ↳ Fine study of functions of different body organ.

Ans - 3

- 1) Synthesis of protein
- 2) protein segregation
- 3) Muscular contraction
- 4) Storage and digestion
- 5) store genetic information





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## 19. PUT QUESTION PAPER

Name: .....

Roll No. ....



### **KASHI INSTITUTE OF PHARMACY**

Varanasi-Allahabad Road, Mirzamurad, Varanasi (U.P)

PUT, Odd Semester, 2022-2023

1<sup>st</sup> year/1<sup>st</sup>sem.

SUBJECT CODE: BP101T Time: 3 hours  
SUBJECT NAME: HAP-I

MM: 75

#### SECTION-A

Note- Attempt all questions from this section.

(2X10=20)

- Q1. What is facilitated diffusion?
- Q2. Draw a neat labeled diagram of eye?
- Q3. Give the classification of bones.
- Q4. What do you understand by the term of stroke Volume?
- Q5. Explain the sagittal and coronal plane.
- Q6. Give the mechanism of blood coagulation.
- Q7. Define hemopoiesis.
- Q8. Give the details on bone present in ribs.
- Q9. What is blood transfusion?
- Q10. What is cardiac arrest?

#### SECTION-B

Note- Attempt any five questions from this section.

(7X5=35)

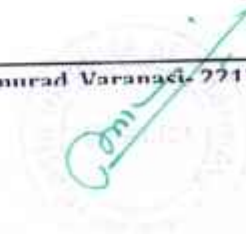
- Q1. Explain the different type of joints.
- Q2. Illustrate the Feedback mechanism.
- Q3. Write a short note on different layer of Skin.
- Q4. Explain the electrocardiogram.
- Q5. Give the function of lymph.
- Q6. Write the name and function of different type of cranial nerve
- Q7. Explain the sympathetic nervous system.

#### SECTION-C

Note- Attempt any two questions from this section.

(10X2=20)

- Q1. Explain the different type of blood group.
- Q2. Draw a well labeled diagram of Heart. Illustrate the cardiac cycle in details.
- Q3. Explain the physiology of muscle contraction.







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## 20. PUT QUESTION PAPER SOLUTION

Dr. A.P.J.K. Technical University Uttar Pradesh, Lucknow

Exam: B.T

Name of Student: Himanshu Kumar Srivastava

Course: B.Pharm (Sem-1)

Name of Subject & Code: Pharm I<sup>st</sup> (BP 101 T)

Roll No.:

Date: 13/13/23

Signature of Student: [Signature]

Signature of Invigilator:

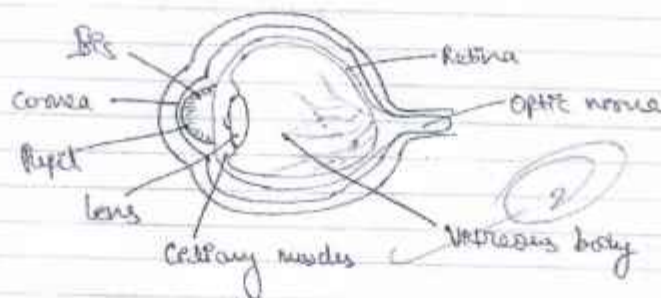
Marks Obtained:

57  
25  
32

### SECTION-A

Ques-1) It is the transport of substances across a biological membrane from an area of higher concentration to an area of lower concentration via transport molecules.

Ques-2)



Ques-3) Classification of bones --

- (i) Long bone
- (ii) Short bone
- (iii) Flat bone
- (iv) Irregular bone

Ques-4) The volume of blood pumped out of the left ventricle of the heart during each systolic cardiac contraction.

Ques-5) Sagittal → It is the plane that divides the body or an organ vertically into





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## 21. PUT MARKS

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PUT AWARD SHEET OF B.PHARM 1st Sem (2022-2023)			
BP101T			
Sr. No.	ROLL NUMBER	STUDENT NAME	Marks (75)
1	2205510500001	ABHAY KUMAR YADAV	11
2	2205510500002	ABHINAV TRIPATHY	51
3	2205510500003	ABHISHEK KUMAR	39
4	2205510500004	ABHISHEK KUMAR CHOUBEY	19
5	2205510500005	ABHISHEK PANDEY	40
6	2205510500006	ADITYA KUMAR	8
7	2205510500007	ADITYA VISHWAKARMA	10
8	2205510500008	AKASH CHOUBEY	43
9	2205510500009	AKASH SINGH	11
10	2205510500010	ALOK SHARMA	20
11	2205510500011	AMAN KUMAR YADAV	68
12	2205510500012	AMAN TRIPATHI	26
13	2205510500013	ANCHAL MISHRA	43
14	2205510500014	ANMOL KUMAR	43
15	2205510500015	ANSH PANDEY	33
16	2205510500016	ANSHIK JAIN	30
17	2205510500017	ANUBHAV SINGH	5
18	2205510500018	ANURAG KUMAR	33
19	2205510500019	ARYAN KUMAR	55
20	2205510500020	ASHISH YADAV	56
21	2205510500021	ASHUTOSH SINGH	29
22	2205510500022	ASHWANI SINGH	23
23	2205510500023	ATUL KUMAR	20
24	2205510500024	AVATANSH MISHRA	17
25	2205510500025	AVINASH YADAV	25
26	2205510500026	AVIRAL ARYA	21
27	2205510500027	AYUSH CHAURASIYA	15
28	2205510500028	AYUSH KUMAR SRIVASTAVA	57
29	2205510500029	AYUSH MISHRA	35
30	2205510500030	AYUSH PRATAP SINGH	14
31	2205510500031	DEEP DEV	51
32	2205510500032	DHAWAL SONI	7
33	2205510500033	DIVYANSHU SHARMA	46

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34	2205510500034	EKTA YADAV	51
35	2205510500035	HARSH DEV SINGH	44
36	2205510500036	HARSH KUMAR MODANWAL	5
37	2205510500037	HEMRAJ KUMAR	11
38	2205510500038	HITESH TRIPATHI	15
39	2205510500039	JAGRITI MAURYA	41
40	2205510500040	KAJAL YADAV	34
41	2205510500041	KANOJIYA ROHIT MAHENDRAPRATAP	49
42	2205510500042	KHUSHBOO YADAV	37
43	2205510500043	KISHNAKANT SINGH CHAUHAN	21
44	2205510500044	KRISHNA NAND SHARMA	34
45	2205510500045	KUMAR SAHIL	25
46	2205510500046	KUNWAR PRATAP SINGH	43
47	2205510500047	MADHU SINGH	39
48	2205510500048	MANGESH VISHWAKARMA	38
49	2205510500049	MAYANK MISHRA- I	3
50	2205510500050	MAYANK MISHRA- II	19
51	2205510500051	MO. ARMAN SHEKH	24
52	2205510500052	MOHD. TAUSIF KHAN	51
53	2205510500053	NANDANI KUSHWAHA	15
54	2205510500054	NIHARIKA UPADHYAY	29
55	2205510500055	NISHANT TIWARI	15
56	2205510500056	PIYUSH PATEL	17
57	2205510500057	PRACHI SINGH VERMA	26
58	2205510500058	PRAJVAL PANDEY	25
59	2205510500059	PRASHANT KUMAR YADAV	42
60	2205510500060	PRATHAM JAISWAL	22
61	2205510500061	PRAVEEN SINGH	14
62	2205510500062	PRINCE MISHRA	24
63	2205510500063	PRINCE VERMA	10
64	2205510500064	PRIYANSHU PANDEY	18
65	2205510500065	RAGINI SINGH	35
66	2205510500066	RAHUL SINGH	50
67	2205510500067	RAJ MISHRA	29
68	2205510500068	RAJU KUMAR	31
69	2205510500069	RAKESH KUMAR GUPTA	29
70	2205510500070	RAMAN KUMAR	55
71	2205510500071	RAVI PRAKASH TIWARI	11
72	2205510500072	RISHAB PRAVESH GUPTA	14
73	2205510500073	RITESH KUMAR YADAV	31

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74	2205510500074	SACHIN KUMAR SONI	17
75	2205510500075	SANJEEV KUMAR	31
76	2205510500076	SANTOSH GUPTA	20
77	2205510500077	SATYAM SINGH	27
78	2205510500078	SATYAM TIWARI	35
79	2205510500079	SAUMYA PANDEY	43
80	2205510500080	SHIVAM TIWARI	20
81	2205510500081	SHRESHTHI SINGH	15
82	2205510500082	SHREYA GUPTA	21
83	2205510500083	SHRIKANT	57
84	2205510500084	SHUBHAM GUPTA	23
85	2205510500085	SHUBHAM PANDEY	22
86	2205510500086	SONI OMPRAKASH PAL	36
87	2205510500087	SUGANDH KUMAR CHOUDHARY	17
88	2205510500088	SUJATA SINGH	30
89	2205510500089	SUPRIYA RAI	14
90	2205510500090	SURAJ PAL	26
91	2205510500091	SURUCHI KUMARI	36
92	2205510500092	TRIPTI SHARMA	14
93	2205510500093	UDAY SINGH GANDHI	22
94	2205510500094	UJJAVAL CHAUHAN	17
95	2205510500095	UTKARSH SINGH	15
96	2205510500096	VAIBHAV MISHRA	57
97	2205510500097	VARAD SINGH	2
98	2205510500098	VARCHSVA SISODIYA	3
99	2205510500099	VIKASH YADAV	45
100	2205510500100	VINIT YADAV	23
101	2205510500101	VIPIN KUMAR VERMA	12
102	2205510500102	VISHAL PANDEY	14
103	2205510500103	VISHAL YADAV	47
104	2205510500104	YADAV ADITYA MAHENDRA	39
105	2205510500105	YOGESH MISHRA	31



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## 22. END OF SEMESTER SUMMARY ( LECTURE ATTENDANCE)

Congratulations on completing the Human Anatomy & Physiology-I. We hope you have enjoyed the experience and now feel inspired to learn more about it.

Through this course you have developed your skills in the following areas:

- ❖ Understood the gross morphology, structure and functions of various organs of the human Body
- ❖ Identify the various tissues and organs of different systems of human body.
- ❖ Perform the various experiments related to special senses and nervous system.
- ❖ Understanding the importance of listening in the classes, including active listening.
- ❖ Appreciate coordinated working pattern of different organs of each system.
- ❖ Taking part in class discussions, including asking and answering questions on human body, disagreeing and encouraging others to speak.

**Total number of classes conducted= 44**





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## 23. CO – PO & CO – PSO ASSESSMENT AND ATTAINMENT EVALUATION FOR INTERNAL AND EXTERNAL EXAMINATIONS

### Table-1 Sample of CO Statement

#### Course Objective:

1. Intended outcomes written to help guide instruction for what the students will learn in the course.
2. Course objectives are measurable objectives that the learner is expected to accomplish at the end of an instructional.
3. A statement of an action that a learner should be able to perform after successfully completing the learning material. e.g. course objective of HAP.

#### Course Objective (Human Anatomy & Physiology-I):

1. Explain the gross morphology, structure and functions of various organs of the human body.
2. Describe the various homeostatic mechanisms and their imbalances.
3. Identify the various tissues and organs of different systems of human body.
4. Perform the various experiments related to special senses and nervous system.
5. Appreciate coordinated working pattern of different organs of each system

### COURSE OUTCOME STATEMENT

#### Course Outcomes (COs):

CO statements indicating what a student can do after the successful completion of a course. Every Course leads to some Course Outcomes. The CO statements are defined by considering the course content covered in each module of a course. For every course there may be 4 or 5 COs. The keywords used to define COs are based on Bloom's Taxonomy.

A well written CO facilitates lecturers in measuring the achievement of the CO at the end of the semester. It also helps the lecturers in designing suitable delivery and assessment methods to achieve the designed CO.







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Course 1 - HAP: (BP101T)		
COURSE OUTCOMES (COs)/UNITS		Knowledge Level (Blooms Level)
S. No.	By the end of the course student will be able to	
CO1	<b>Remember, Understand &amp; Applying</b> gross morphology, structure and functions of various organs .	L1 : Remember L2: Understand L3 : Applying
CO2	<b>Evaluate &amp; Analyze</b> homeostatic mechanisms and their imbalances .	L5 : Evaluate L4 : Analyze
CO3	<b>Evaluate</b> the hardness of water	L5 : Evaluate
CO4	<b>Synthesize, create &amp; Analyze</b> the rate constant of reaction	L4 : Analyze L6: Synthesis
CO5	<b>Understand &amp; Apply</b> the basic knowledge on structure, synthesis, properties and application of different types of polymers.	L2: Understand L3 : Applying

### Program Outcomes (POs):

POs are defined by Accreditation Agencies of the country (NBA in India), which are the statements about the knowledge, skills and attitudes, graduate attributes of a formal pharmacy program should have. Graduates Attributes (GAs) are the components indicative of the graduate's potential to acquire competence to practice at the appropriate level. GAs form a set of individually assessable outcomes of the program. The NBA laid down the graduate attributes relating to program outcomes and is to be derived by Program. These are broad and cover a wider area than of COs. 12 Program Outcomes, or Graduate Attributes for the sake of unity and quality assurance.

The Program outcomes reflect the ability of graduates to demonstrate knowledge in fundamentals of Basic Sciences, Humanities and Social Sciences, Pharmacy and apply these principles in understanding and practically apply the knowledge in professional core subjects, electives and projects which enables the graduates to be competent at the time of graduation. The graduates must adhere to professional and ethical responsibilities in the pursuit of their careers and also for the benefit of the society. These outcomes also enable the graduate to pursue higher studies and engage in R&D for a successful professional career. The proper definition and the attainment of POs contribute to the attainment of Program Educational

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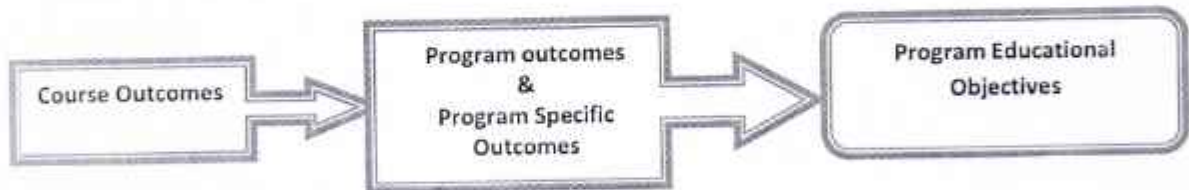
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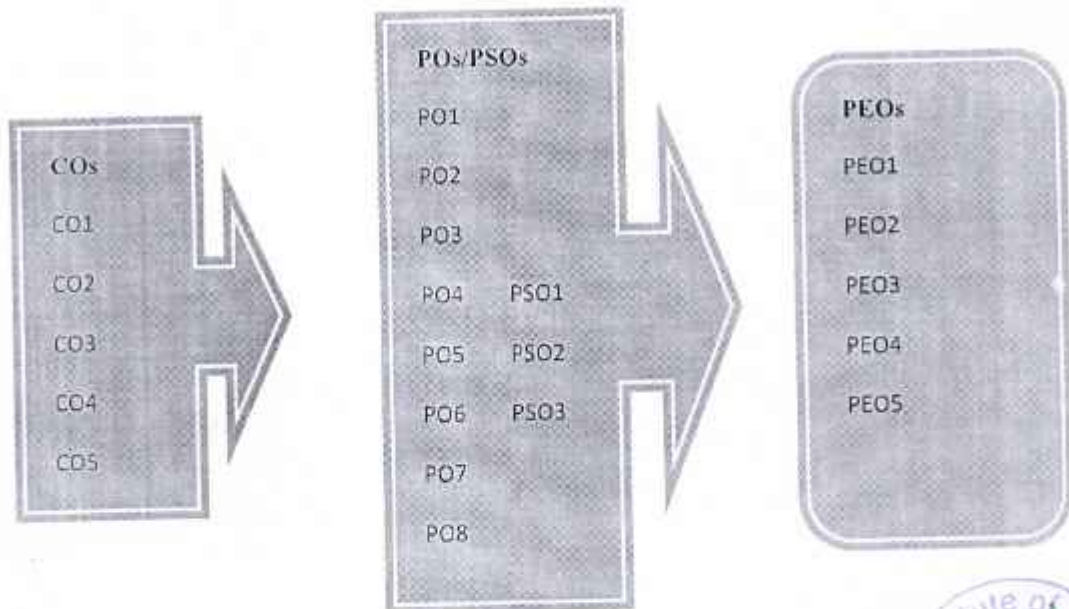
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Objectives which will help the graduate to perform his/ her duties, professional responsibilities, design, development, production and testing of novel products, ability to deal with finances and project management during his/her early professional career.



Relating Outcomes (CO-PO & PSO-PEO)

This figure shows the building block of CO-PO & PSO-PEO Relationship. After CO statements Develop by course in-charge, CO will map with any possible POs based on the relationship exist between them. But all POs are not necessary mapped with one CO and it may be left blank. Anyhow, it is mandatory that all POs should be mapped with any one of PSO and PEO which are specified in the program.



Relationship between CO, PO, PSO & PEO





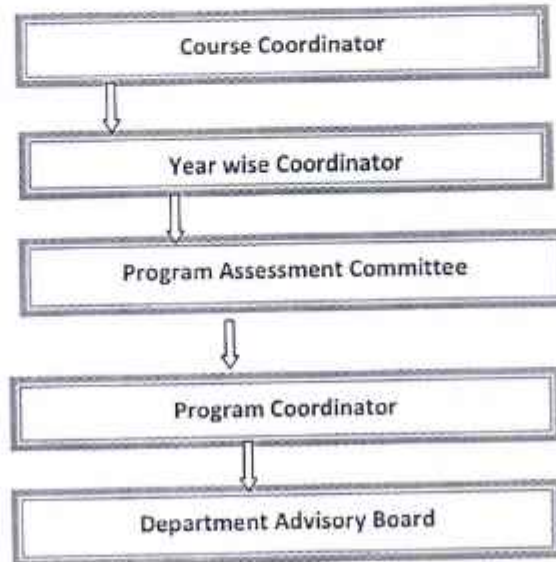


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**Hierarchy of Faculty Involvement**

- ❖ **Course Coordinator:** write appropriate COs and finalize the CO-PO mapping.
- ❖ **Year wise Coordinator:** Consolidate the CO attainment of the respective year.
- ❖ **Program Assessment Committee:** Consolidate the CO attainment and PO attainment of the respective program.
- ❖ **Program Coordinator:** Monitor and Guide the Program Assessment Committee.
- ❖ **Department Advisory Board:** All these works mention above have to be done under the supervision of Department Advisory Board

## CO – PO AND CO – PSO MAPPING OF COURSES

### Mapping Factor (Correlation Level)

The role of CO-PO mapping will be assigned to the faculty as per hierarchy. The course in-charge is responsible for writing the necessary COs for their corresponding course after receiving the department's course (subject) allocation. COs will be created utilizing the action verbs of the various learning levels., CO statements that are relevant to the skills, knowledge, and behavior that students will learn during the end of each course should be more specific and quantifiable.







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After writing the CO statements, CO will be mapped with PO of the department. If the department is having more than one section in a year the subject expert will be nominated as course coordinator of the corresponding course. The role of the course coordinator is to review the CO statements and the CO-PO mapping which has been done by course in-charge. The year wise coordinator has to consolidate the CO's of the respective year and maintain the documentation of the CO attainment level of the respective year courses as well as documentation of the individual students' extra-curricular and co-curricular activities. These details will hand over to the program coordinator in order to evaluate PO attainment of the individual student as well as individual course at the end of the 8<sup>th</sup> semester. The Program coordinator has to evaluate the PO attainment of individual student through direct and indirect method after the student completing their program. All these works have to be done under the guidance of Department Advisory Committee (DAC). CO – PO mapping indicates to what extent a certain component (either assessment method to CO or CO to PO or PO to PEO & PSO are correlated to each other. Course correlation matrix shows the **Learning Relationship** (level of learning achieved) between COs and POs of a course. This matrix also strongly indicates whether the students are able to achieve the course outcomes/objectives. All the courses together must cover all the POs and PSOs. For a course we map the COs to POs through the CO-PO matrix and to PSOs through the CO-PSO matrix. The matrix can be used for any course and it is good method to evaluate a course syllabus. The various correlation levels are:

- \* 3- indicates **Substantial (high)** mapping (high contribution towards attainment)
- \* 2- indicates **Moderate** (medium) mapping (medium contribution towards attainment)
- \* 1- indicates **Slight (low)** mapping (some contribution towards attainment)
- \* “-” indicates **there is no correlation.**

Procedure followed while assigning the values by Mapping COs to POs:

Judging the importance of the particular COs in relation to the POs.

- If the CO matches strongly with a particular PO criterion then Assign 3.
- If it matches moderately then Assign 2.
- If the match is low then Assign 1.
- If there is no correlation between any CO with PO else mark with ‘-’ Symbol
- If an action verb used in a CO is repeated at multiple Blooms levels, then we need to judge which Blooms level is the best fit for that action verb the first five POs are purely of technical in nature, while the other POs are non-technical.
- Writing the COs, we need to restrict yourself between Blooms Level 1 to Level 4. Again, if it is a programming course, restrict between Blooms Level 1 to Level 3 but for the other courses, we can go up to Blooms Level 4.





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• For the laboratory courses, while composing COs, we need to restrict our self between Blooms Level 1 to Level 5.

• Only for Mini-project and Main project, you may extend up to Blooms Level 6 while composing COs.

**Note:** \* The table given below gives information about the action verbs used in the POs and the nature of POs, stating whether the POs are technical or non-technical. we need to understand the intention of each POs and the Bloom's level to which each of POs and the Blooms level to which each of these action verbs in the POs correlates to. Once you have understood the POs then you can write the COs for a course and see to what extent each of those COs correlate with the POs.

**Table 1: Process for mapping the values for CO-PO Matrix**

Type	POs	Action Verb(s) in POs	Bloom's Level(s) for POs	Blooms Level(s) for COs	Type	Thumb Rule	
<b>Technical</b>	PO1	Apply	L3	Blooms L1 to L4 for Theory Courses	<b>Non Technical</b>	PO7 If Blooms L1 Action Verbs of a CO -> Correlates any of PO7 to PO12 -> then Assign 1	
	PO2	Identify	L2				
		Formulate	L6				
		Review	L2				
	PO3	Design	L3,L6	Blooms L1 to L5 for Laboratory Courses		PO8	If Blooms L2 to L3 Action Verbs of a CO -> Correlates any of PO7 to PO12 -> then Assign 2
		Develop	L3,L6			PO9	
	PO4	Analyze	L4			PO10	If Blooms L4 to L6 Action Verbs of a CO -> Correlates any of
		Interpret	L2 , L3				
		Design	L6				

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PO5	Create	L6	for Mini Project and Major Project	PO11	PO7 to PO12 - > then Assign 3
	Select	L1, L2 L6			
	Apply	L3			
PO6	Apply	L3		PO12	
	Assess	L5			

CO-PO & PSO MAPPING FOR CO-PO MATRIX: SAMPLE

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CO-PO & PSO MAPPING															
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	0	0	2	-	-	-	-	-	3	2	3	1	2	2
CO2	3	-	-	-	-	-	3	3	3	3	2	2	3	-	2
CO3	3	-	3	2	2	-	2	3	2	3	2	2	2	3	2
CO4	2	1	2	2	-	-	2	2	-	2	-	3	2	2	-
CO5	2	-	-	2	-	-	-	-	-	2	-	2	2	2	-







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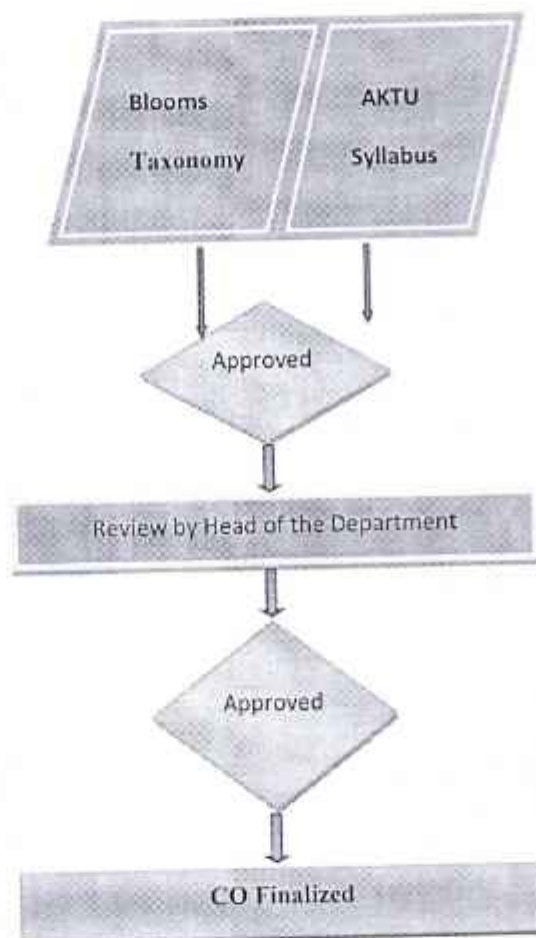
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## Assessment Process for Calculating The Attainment of Pos and PSO

Assessment process for calculating the attainment of POs and PSOs

Assessment Process for Evaluation of Course Outcomes:

Assessment tools and its frequency, the responsible authority to collect the data and its relevant COs, are tabulated as follows:





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## Assessment Method & Attainment Level :

Step 1: Obtain Course Outcome.

Step 2: Mapping of CO with PO.

Step 3: Setting weight- age for CO assessment.

Step 4: COs measurement through assessment.

Step 5: Obtain PO attainment table through direct and indirect method.

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## Direct Assessment of COs, POs & PSOs:

(Quality / Relevance of Assessment Process)

### Assessment Process for Evaluation of Theory Courses

Assessment Tools and its frequency, the responsible authority to collect the data and its relevant COs, are tabulated in tables.

Assessment Tools	Assessment Period	Assessed By	Reviewed By	Mapping with COs
Class Test -1 Class Test -2 (Pre University Test) (PUT)	Once Per Semester	Course Instructor	Department Advisory committee (DAC)	Relevant CO
Assignments-1	Once Per Semester	Course Instructor	Department Advisory committee (DAC)	CO1
Assignments-2				CO2
Assignments-3				CO3
Assignments-4				CO4
Assignments-5				CO5
Quizzes	Once Per Semester	Course Instructor	Department Advisory committee (DAC)	All COs
University Semester Exam	Once Per Semester	Course Instructor	Department Advisory committee (DAC)	All COs







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## Assessment Process for Evaluation of Laboratory Courses

Assessment Tools	Assessment Period	Assessed By	Reviewed By	Mapping with COs
Lab Experiment	Throughout Semester	Course Instructor	Department Advisory committee (DAC)	All COs
Viva Voce	Throughout Semester	Course Instructor		All COs
Practical Record	Throughout Semester	Course Instructor		All COs
Internal Practical Exam	Once Per Semester	Internal Examiners		All COs
University Semester Exam	Once Per Semester	Internal Examiners appointed by the department & External Examiners Appointed by AKTU		All COs





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## Assessment Process for Evaluation of Project Courses

Assessment Tools		Assessed Period	Assessed By	Reviewed By	Mapping with COs	
Topic Approval		7 <sup>th</sup> Sem	Project Review committee	Department Advisory committee (DAC)	All COs	
Progress Presentation 1	Presentation Skill	7 <sup>th</sup> Sem			All COs	
	Viva Voce					
	Implementation report					
	Faculty Interaction					
Progress Presentation 2	Presentation Skill	7 <sup>th</sup> Sem				All COs
	Viva Voce					
	Implementation report					
	Faculty Interaction					
Internal Final Presentation	Presentation Skill	8 <sup>th</sup> Sem	Internal Examiners appointed by the department & External Examiners Appointed by AKTU	All COs		
	Viva Voce					
	Implementation report					
	Faculty Interaction					
External Presentation	Presentation Skill	8 <sup>th</sup> Sem			All COs	
	Viva Voce					
	Implementation report					
	Faculty Interaction					





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## Assessment Process for Evaluation of Seminar Courses & Industrial Training Courses

Assessment Tools		Assessed Period	Assessed By	Reviewed By	Mapping with COs
External Presentation	Presentation Skill Viva Voce Implementation report Faculty Interaction	Once Per Semester	Seminar Review committee	Department Advisory committee (DAC)	All COs

## Assessment Process for General Proficiency Course

Assessment Tools	Assessed Period	Assessed By	Reviewed By	Mapping with COs
Sports Event	Throughout the program	Sports Committee	Department Advisory Committee (DAC)	CO1
Cultural Events		Cultural Committee		CO2
Technical Events		Technical Committee		CO3
Societal & Environmental Events		Societal & Environmental Committee		CO4
Discipline		Proctorial Board		CO5







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## CO Attainment Target Level Methods:

There can be several methods. e.g.

- Same target is identified for all the COs of the course i.e. target can be class average marks  $\geq 60\%$  marks.
- Target are same for all COs and are set in terms of performance level of different groups of students. While this method classifies students in to different categories, it does not provide any specific clues to plans for improvements of quality of learning. e.g.

Target			
(% of students getting < 50)	(% of students getting >50 and < 65)	(% of students getting >65 and < 80)	(% of students getting $\geq 80$ )
10	40	40	10

- Targets are set for each CO of a course separately. It does not directly indicate the distribution of performance among the students. However, it has the advantage of finding out the difficulty of specific COs.

COs	Target ( Class Average)
CO1	70%
CO2	80%
CO3	75%
CO4	65%
CO5	80%

Target Level :

- Targets are quantized in to certain level, 3 being the most common number of levels.
- Level 3: If 70% students scoring  $\geq 60\%$  of Marks allocated to CO
- Level 2: If 60% student scoring  $\geq 60\%$  of Marks in CO
- Level 1: If 50% student scoring  $\geq 60\%$  of Marks in CO
- Level 0: If < 50% student scoring  $\geq 60\%$  of Marks in CO





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Aim is to attain Level 3

## CO Attainment Calculation:

The course outcomes for all the courses are calculated in terms of percentage using the formula.

$$\text{COx in \%} = \frac{\text{Marks obtained by the students in COx}}{\text{Maximum marks allotted in COx}} \times 100$$

Where  $x = [1 \text{ to } N]$ ,  $N =$  Number of COs

Each course outcome is calculated for all the students based on marks obtained by the students.

$$\text{COx Attainment in \%} = \left[ \frac{\text{No. of Students scored } \geq 70 \text{ of Marks in COx}}{\text{Total No. of students}} \times 100 \right]$$

Where  $x = [1 \text{ to } N]$ ,  $N =$  Number of COs

CO Attainment Level is defined based on the following criteria:

Assessment Method	COs Attainment Level	
Internal Assessment	Level 3	If 70% students scoring $\geq 70\%$ of Marks in COs
	Level 2	If 60% student scoring $\geq 70\%$ of Marks in COs
	Level 1	If 50% student scoring $\geq 70\%$ of Marks in COs





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After calculating the attainment level of each COs from the performance of Internal Assessment Test 1 & 2, the attainment level of Internal Assessment Test is calculated with ratio of sum of all the COs attained by total number of COs as shown below:

$$\text{IAT Attainment Level} = \frac{\text{Sum of all COs attained by students}}{\text{Total Number of COs}}$$

Where IAT = Internal Assessment Test

IAT is calculated as follows:

$$\text{E.g. Internal Assessment Test} = \frac{\text{CO1} + \text{CO2} + \text{CO3} + \text{CO4} + \text{CO5}}{5}$$

Based on university grade, the attainment level of COs is calculated. The attainment level is decided on the following criteria.

Assessment Method	Cox Attainment Level	
University (External) Assessment	Level 3	If 60% student scoring $\geq$ 50% of Marks in University Exam
	Level 2	If 50% student scoring $\geq$ 50% of Marks in University Exam
	Level 1	If 40% student scoring $\geq$ 50% of Marks in University Exam

The university attainment level is calculated as follows

$$\text{Over all CO Attainment Direct} = \left( \frac{\sum_{i=1}^n \text{CO}_i}{n} \times 0.2 \right) + (\text{UA} \times 0.8)$$

(Where n = Number of course outcome)

**Result : Overall CO Attainment =**







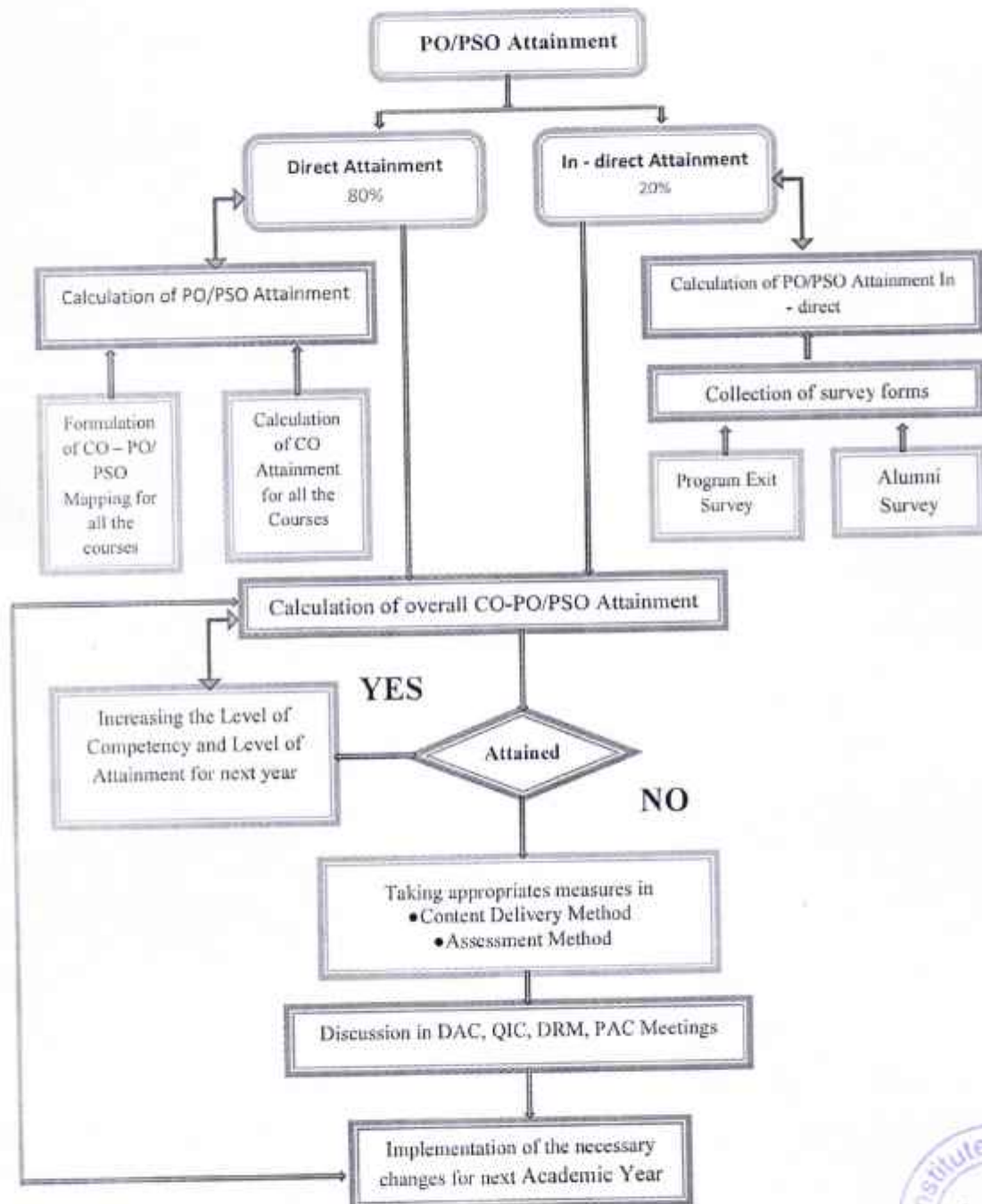
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## Process for PO/PSO Attainment:





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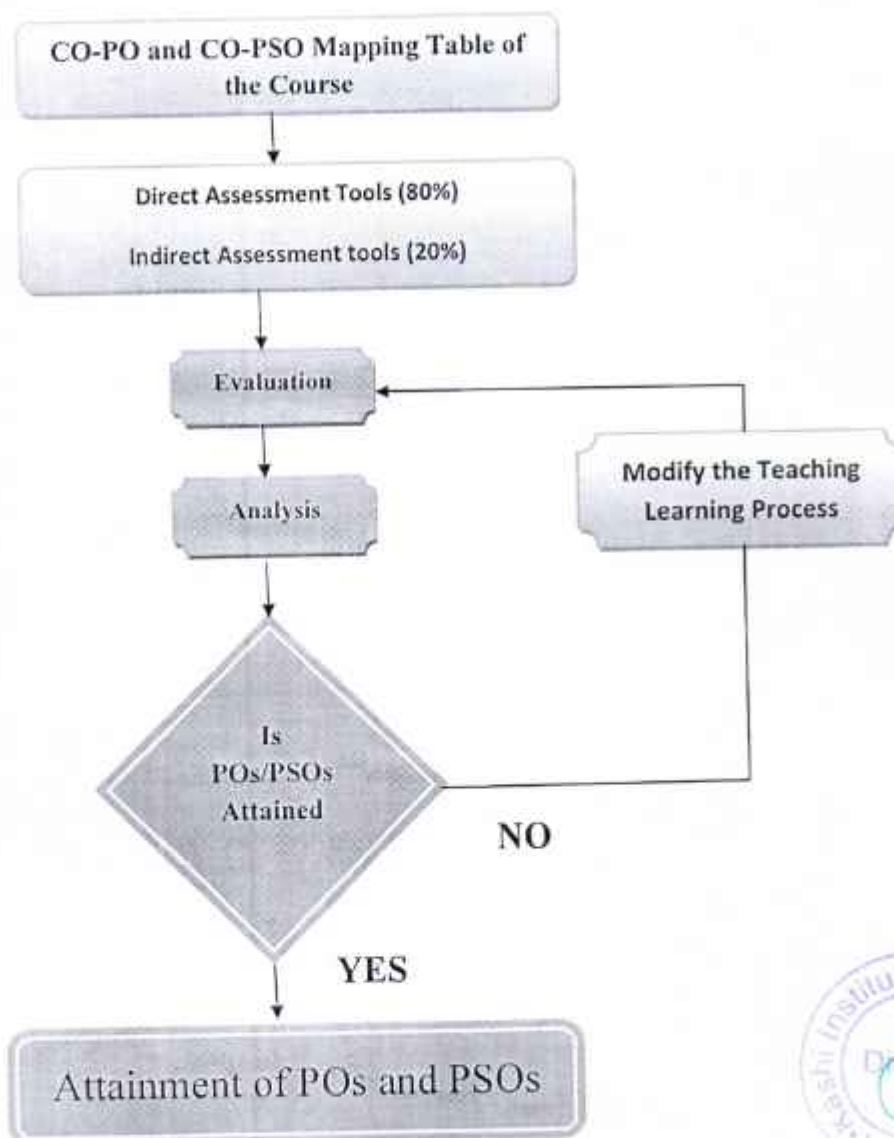
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## Assessment tools and processes used for measuring the Attainment of each of the Program Outcomes (POs) and Program Specific Outcomes (PSOs):

Evaluation of attainment of POs and PSOs is based on direct and indirect assessment tools. Direct assessment of POs and PSOs is based on student's performance in continuous assessment and university examination. Indirect assessment is based on Program Exit Survey (Theory & Practical). The various direct and indirect tools and its frequency, the responsible authority to collect data for assessing the attainment of each POs and PSOs are given below table.





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## Course level PO & PSO Attainment Calculation:

The PO & PSO attainment for the course is calculated using following formula

### PO Attainment of Course (X)

$$= \text{CO Attainment ratio of Course (X)} \times \text{PO}_y \text{ mapping value of course(x)}/100$$

### PO Attainment Level of Course (X)

$$= (\text{weighted Average Value of PO} \times \text{CO Attainment Average}) / 3$$

### PSO Attainment of Course (X)

$$= \text{CO Attainment ratio of Course (X)} \times \text{PSO}_y \text{ mapping value of course(x)}/100$$

(Where,  $y = [1 \text{ to } N]$ ,  $N = \text{Number of Program Outcomes}$ )

### PSO Attainment Level of Course (X)

$$= (\text{weighted Average Value of PSO} \times \text{CO Attainment Average}) / 3$$

(Where,  $y = [1 \text{ to } N]$ ,  $N = \text{Number of Program Specific Outcomes}$ )







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## KASHI INSTITUTE OF PHARMACY, VARANASI

### CO Attainment for End Semester Examination (AKTU 80%)

Semester: 1st Course : B.Pharm Academic Year:2022-23  
Course Code : BP101  
Course Name : Human Anatomy & Physiology-I  
Name of the Faculty : Mr. Sachchidanand Pathak  
Section : A & B

S. N.	University Roll No.	NAME OF STUDENT	BRANCH	Internal Marks (25)	External Marks (75)	Total Marks (100)	Percentage	Grade Point Obtained
				Marks Obtained	Marks Obtained			
1	2205510500001	ABHAY KUMAR YADAV	Pharmacy	19	34	53	53	D
2	2205510500002	ABHINAV TRIPATHY	Pharmacy	22	24	46	46	F
3	2205510500003	ABHISHEK KUMAR	Pharmacy	21	30	51	51	D
4	2205510500004	ABHISHEK KUMAR CHOUBEY	Pharmacy	20	18	38	38	F
5	2205510500005	ABHISHEK PANDEY	Pharmacy	22	32	54	54	D
6	2205510500006	ADITYA KUMAR	Pharmacy	19	33	52	52	D
7	2205510500007	ADITYA VISHWAKARMA	Pharmacy	19	27	46	46	F
8	2205510500008	AKASH CHOUBEY	Pharmacy	20	41	61	61	C
9	2205510500009	AKASH SINGH	Pharmacy	20	39	59	59	D
10	2205510500010	ALOK SHARMA	Pharmacy	21	29	50	50	D
11	2205510500011	AMAN KUMAR YADAV	Pharmacy	19	11	30	30	F

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12	220551050 0012	AMAN TRIPATHI	Pharma cy	21	60	81	81	A
13	220551050 0013	ANCHAL MISHRA	Pharma cy	23	54	77	77	B
14	220551050 0014	ANMOL KUMAR	Pharma cy	23	40	63	63	C
15	220551050 0015	ANSH PANDEY	Pharma cy	20	39	59	59	D
16	220551050 0016	ANSHIK JAIN	Pharma cy	21	41	62	62	C
17	220551050 0017	ANUBHAV SINGH	Pharma cy	20	40	60	60	C
18	220551050 0018	ANURAG KUMAR	Pharma cy	22	47	69	69	C
19	220551050 0019	ARYAN KUMAR	Pharma cy	23	51	74	74	B
20	220551050 0020	ASHISH YADAV	Pharma cy	22	51	73	73	B
21	220551050 0021	ASHUTOSH SINGH	Pharma cy	21	36	57	57	D
22	220551050 0022	ASHWANI SINGH	Pharma cy	20	35	55	55	D
23	220551050 0023	ATUL KUMAR	Pharma cy	20	41	61	61	C
24	220551050 0024	AVATANSH MISHRA	Pharma cy	19	34	53	53	D
25	220551050 0025	AVINASH YADAV	Pharma cy	20	49	69	69	C
26	220551050 0026	AVIRAL ARYA	Pharma cy	20	35	55	55	D
27	220551050 0027	AYUSH CHAURASIYA	Pharma cy	19	26	45	45	F
28	220551050 0028	AYUSH KUMAR SRIVASTAVA	Pharma cy	24	49	73	73	B
29	220551050 0029	AYUSH MISHRA	Pharma cy	20	35	55	55	D
30	220551050 0030	AYUSH PRATAP SINGH	Pharma cy	19	37	56	56	D
31	220551050 0031	DEEP DEV	Pharma cy	22	55	77	77	B
32	220551050 0032	DHAWAL SONI	Pharma cy	19	28	47	47	F
33	220551050 0033	DIVYANSHU SHARMA	Pharma cy	21	28	49	49	F
34	220551050 0034	EKTA YADAV	Pharma cy	22	55	77	77	B
35	220551050 0035	HARSH DEV SINGH	Pharma cy	21	33	54	54	D
36	220551050 0036	HARSH KUMAR MODANWAL	Pharma cy	19	24	43	43	F

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37	220551050 0037	HEMRAJ KUMAR	Pharma cy	20	40	60	60	C
38	220551050 0038	HITESH TRIPATHI	Pharma cy	19	24	43	43	F
39	220551050 0039	JAGRITI MAURYA	Pharma cy	22	31	53	53	D
40	220551050 0040	KAJAL YADAV	Pharma cy	20	38	58	58	D
41	220551050 0041	KANOJIYA ROHIT MAHENDRAPR ATAP	Pharma cy	22	42	64	64	C
42	220551050 0042	KHUSHBOO YADAV	Pharma cy	21	54	75	75	B
43	220551050 0043	KISHNAKANT SINGH CHAUHAN	Pharma cy	20	40	60	60	C
44	220551050 0044	KRISHNA NAND SHARMA	Pharma cy	21	41	62	62	C
45	220551050 0045	KUMAR SAHIL	Pharma cy	19	49	68	68	C
46	220551050 0046	KUNWAR PRATAP SINGH	Pharma cy	22	56	78	78	B
47	220551050 0047	MADHU SINGH	Pharma cy	21	48	69	69	C
48	220551050 0048	MANGESH VISHWAKARM A	Pharma cy	21	31	52	52	D
49	220551050 0049	MAYANK MISHRA	Pharma cy	19	37	56	56	D
50	220551050 0050	MAYANK MISHRA	Pharma cy	19	38	57	57	D
51	220551050 0051	MO. ARMAN SHEKH	Pharma cy	20	25	45	45	F
52	220551050 0052	MOHD. TAUSIF KHAN	Pharma cy	24	62	86	86	A
53	220551050 0053	NANDANI KUSHWAHA	Pharma cy	19	30	49	49	F
54	220551050 0054	NIHARIKA UPADHYAY	Pharma cy	19	38	57	57	D
55	220551050 0055	NISHANT TIWARI	Pharma cy	20	20	40	40	F
56	220551050 0056	PAL SONI OMPRAKASH	Pharma cy	20	41	61	61	C
57	220551050 0057	PIYUSH PATEL	Pharma cy	22	36	58	58	D
58	220551050 0058	PRACHI SINGH VERMA	Pharma cy	20	48	68	68	C
59	220551050	PRAJVAL	Pharma	22	41	63	63	C

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	0059	PANDEY	cy					
60	220551050 0060	PRASHANT KUMAR YADAV	Pharma cy	20	62	82	82	A
61	220551050 0061	PRATHAM JAISWAL	Pharma cy	20	34	54	54	D
62	220551050 0062	PRAVEEN SINGH	Pharma cy	21	49	70	70	B
63	220551050 0063	PRINCE MISHRA	Pharma cy	20	33	53	53	D
64	220551050 0064	PRINCE VERMA	Pharma cy	19	30	49	49	F
65	220551050 0065	PRIYANSHU PANDEY	Pharma cy	22	25	47	47	F
66	220551050 0066	RAGINI SINGH	Pharma cy	22	36	58	58	D
67	220551050 0067	RAHUL SINGH	Pharma cy	20	37	57	57	D
68	220551050 0068	RAJ MISHRA	Pharma cy	20	33	53	53	D
69	220551050 0069	RAJU KUMAR	Pharma cy	21	32	53	53	D
70	220551050 0070	RAKESH KUMAR GUPTA	Pharma cy	19	42	61	61	C
71	220551050 0071	RAMAN KUMAR	Pharma cy	19	9	28	28	F
72	220551050 0072	RAVI PRAKASH TIWARI	Pharma cy	19	33	52	52	D
73	220551050 0073	RISHAB PRAVESH GUPTA	Pharma cy	20	42	62	62	C
74	220551050 0074	RITESH KUMAR YADAV	Pharma cy	20	30	50	50	D
75	220551050 0075	SACHIN KUMAR SONI	Pharma cy	20	36	56	56	D
76	220551050 0076	SANJEEV KUMAR	Pharma cy	20	33	53	53	D
77	220551050 0077	SANTOSH GUPTA	Pharma cy	19	20	39	39	F
78	220551050 0078	SATYAM SINGH	Pharma cy	22	35	57	57	D
79	220551050 0079	SATYAM TIWARI	Pharma cy	23	40	63	63	C
80	220551050 0080	SAUMYA PANDEY	Pharma cy	19	40	59	59	D
81	220551050 0081	SHIVAM TIWARI	Pharma cy	20	36	56	56	D
82	220551050 0082	SHRESHTHI SINGH	Pharma cy	20	34	54	54	D
83	220551050 0083	SHREYA GUPTA	Pharma cy	19	26	45	45	F

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84	220551050 0084	SHRIKANT	Pharma cy	21	14	35	35	F
85	220551050 0085	SHUBHAM GUPTA	Pharma cy	20	32	52	52	D
86	220551050 0086	SHUBHAM PANDEY	Pharma cy	22	47	69	69	C
87	220551050 0087	SUGANDH KUMAR CHOUDHARY	Pharma cy	20	39	59	59	D
88	220551050 0088	SUJATA SINGH	Pharma cy	21	42	63	63	C
89	220551050 0089	SUPRIYA RAI	Pharma cy	20	40	60	60	C
90	220551050 0090	SURAJ PAL	Pharma cy	21	47	68	68	C
91	220551050 0091	SURUCHI KUMARI	Pharma cy	20	51	71	71	B
92	220551050 0092	TRIPTI SHARMA	Pharma cy	20	48	68	68	C
93	220551050 0093	UDAY SINGH GANDHI	Pharma cy	20	34	54	54	D
94	220551050 0094	UJJAVAL CHAUHAN	Pharma cy	21	45	66	66	C
95	220551050 0095	UTKARSH SINGH	Pharma cy	20	30	50	50	D
96	220551050 0096	VAIBHAV MISHRA	Pharma cy	19	27	46	46	F
97	220551050 0097	VARAD SINGH	Pharma cy	19	34	53	53	D
98	220551050 0098	VARCHSVA SISODIYA	Pharma cy	19	18	37	37	F
99	220551050 0099	VIKASH YADAV	Pharma cy	23	53	76	76	B
100	220551050 0100	VINIT YADAV	Pharma cy	17	41	58	58	D
101	220551050 0101	VIPIN KUMAR VERMA	Pharma cy	19	27	46	46	F
102	220551050 0102	VISHAL PANDEY	Pharma cy	20	24	44	44	F
103	220551050 0103	VISHAL YADAV	Pharma cy	21	42	63	63	C
104	220551050 0104	YADAV ADITYA MAHENDRA	Pharma cy	22	32	54	54	D
105	220551050 0105	YOGESH MISHRA	Pharma cy	21	42	63	63	C

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<b>Total Number Of Student</b>	<b>105</b>
<b>Number of Students Secured <math>\geq 50</math> % Marks</b>	<b>83</b>
<b>% of Students Attained</b>	<b>79</b>
<b>Attainment Level</b>	<b>3</b>

<b>Gap Analysis</b>				
<b>Achieved Attainment %</b>	<b>Target Attainment %</b>	<b>Target in Level</b>	<b>Attainment Level</b>	<b>Gap = Target in level - Attainment in level</b>
79	Target Attainment $\geq 50$ %	3	3	0
<b>Action Taken Report</b>				
<b>COs</b>	<b>Action Taken</b>			
CO1, CO2, CO3, CO4, CO5	Attained			

<b>Action taken for identified Gap (For Next Semester)</b>
*Students are encouraged to Enrol Value added program/NPTEL online certification course and to appear for certification exam.
*Remedial Classes will be conducted.
*Bridge classes for units.
*Assignments for critical topic.
*Solution for university question for unit.







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## Rationale :

1- Since question wise students marks are not provided by affiliating university these marks are kept separate. If results are available with question wise marks COs wise analysis might have been done .

2- As we expect that each student must at least get 50% marks and he/ she may secure with pass percentage.

% of Marks Secured in a Subject / Course	Letter Grade (AKTU Guidelines)	LEVEL	Grade Points
$\geq 90$	O	(Outstanding )	10
$< 90$	A	(Excellent)	9
$< 80, \geq 70$	B	(Good)	8
$< 70, \geq 60$	C	(Fair)	7
$< 60, \geq 50$	D	(Average)	6
$< 50$	F	(Fail)	0
Absent	F	(Fail)	0

## Target / Threshold Level & Attainment Level

If 60% Students Scoring $\geq 50\%$ Marks	If 50% Students Scoring $\geq 50\%$ Marks	If 40% Students Scoring $\geq 50\%$ Marks
Attainment Level - 3 (H)	Attainment Level - 2 (M)	Attainment Level - 1 (L)











2	2205510 500028	AYUSH KUMAR SRIVASTA VA	13	9	5	5	12	8	5	4	18	7	4	5	15	6	4	4	24	1	4	4	19	9	3	17	5	8	16	8	1	14	7	0	18	8	5
2	2205510 500029	AYUSH MISHRA	10	7	4	3	7	5	5	3	12	5	5	5	9	4	5	4	14	6	4	4	14	6	6	13	3	6	15	7	4	13	3	3	14	6	5
3	2205510 500030	AYUSH PRATAP SINGH	8	5	5	5	10	7	5	4	2	1	4	5	7	3	4	5	5	2	4	4	15	7	7	16	8	7	10	4	9	12	9	9	10	0	5
3	2205510 500031	DEEP DEV	9	6	5	5	7	5	4	5	17	7	4	5	12	5	5	5	22	9	5	5	16	8	0	14	8	6	16	7	9	15	4	4	19	4	9
3	2205510 500032	DHAWAL SONI	8	5	5	5	7	5	5	4	2	1	5	4	1	0	3	4	4	2	5	5	15	7	7	14	8	6	10	9	9	7	7	12	8	5	
3	2205510 500033	DIVYANSH U SHARMA	7	5	5	5	6	4	5	4	14	6	5	4	18	7	5	4	14	6	4	5	15	7	3	13	5	6	15	3	7	16	1	8	15	7	3
3	2205510 500034	EKTA YADAV	8	5	5	5	10	7	5	4	20	8	5	5	17	7	5	4	14	6	5	5	15	7	7	16	8	7	18	9	0	16	9	9	16	8	7
3	2205510 500035	HARSH DEV SINGH	10	7	4	3	7	5	5	5	17	7	4	5	11	4	5	5	16	6	5	4	14	6	8	15	3	7	16	9	7	14	2	7	15	7	7
3	2205510 500036	HARSH KUMAR MODANW AL	10	7	5	3	8	5	4	5	0	0	4	5	2	1	4	5	3	1	5	4	15	7	3	14	2	7	9	4	5	10	9	4	10	1	5
3	2205510 500037	HEMRAJ KUMAR	9	6	5	5	7	5	5	5	2	1	4	5	3	1	4	5	6	2	5	5	16	8	0	15	7	7	10	4	4	10	5	5	12	6	6
3	2205510 500038	HITESH TRIPATHI	6	4	4	5	5	3	5	4	3	1	4	5	7	3	5	5	5	2	5	5	13	6	5	12	2	6	10	1	13	4	4	12	0	6	
3	2205510 500039	JAGRITI MAURYA	8	5	5	5	8	5	5	5	14	6	4	5	12	5	4	5	15	6	5	5	15	7	7	15	7	7	15	3	7	14	9	9	16	0	8
4	2205510 500040	KAJAL YADAV	5	3	5	5	5	3	4	5	11	4	4	5	13	5	4	5	10	4	4	5	13	6	7	12	2	6	13	7	7	14	1	7	13	5	6
4	2205510 500041	KANOIYA ROHIT MAHENDR APRATAP	8	5	5	5	10	7	4	4	19	8	4	5	16	6	3	4	14	6	5	4	15	7	7	15	3	7	17	8	3	13	6	7	15	7	3
4	2205510 500042	KHUSHBO O YADAV	14	9	5	5	10	7	5	5	12	5	5	5	10	4	5	5	15	6	4	5	19	9	7	17	3	8	15	4	7	14	7	0	15	7	5





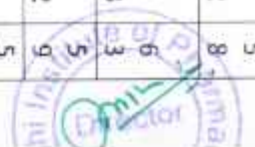


5	2205510	PRACHI SINGH VERMA	5	3	5	5	10	7	4	5	9	4	5	5	7	3	5	5	13	6	7	13	6	6	6	6	4
8	500058			5	5	5		5	5	5	5	5	5	5	5	5	5	5	5	7	8	13	8	8	8	8	4
5	2205510	PRAVAL PANDEY	12	8	5	4	9	6	4	4	14	6	4	5	17	7	5	5	17	5	14	0	15	7	7	14	7
9	500059	PRASHANT KUMAR YADAV	6	4	5	5	10	7	5	4	8	3	5	4	7	3	5	5	14	7	16	8	12	8	12	13	2
6	2205510	PRATHAM JAISWAL	7	5	5	5	8	5	5	4	6	2	5	4	4	2	5	5	15	3	14	2	11	7	7	12	8
1	500061			5	5	5		5	5	5	5	5	5	5	5	5	5	5	5	7	8	11	5	5	5	5	5
6	2205510	PRAVEEN SINGH	10	7	5	5	11	7	4	4	8	3	5	4	9	4	5	5	17	8	15	7	12	6	14	8	9
2	500062			7	5	5		7	4	4	7	3	5	4	4	3	4	5	15	7	15	7	12	1	14	8	5
6	2205510	PRINCE MISHRA	8	5	5	5	10	7	4	4	2	1	4	4	4	2	3	5	15	7	15	3	9	4	10	8	3
3	500063			5	5	5		5	4	4	2	4	4	4	2	5	4	4	15	7	15	7	9	4	10	8	3
6	2205510	PRINCE VERMA	7	5	5	5	7	5	5	5	7	3	5	5	5	2	5	5	15	3	15	3	13	6	12	0	2
4	500064			5	5	5		5	5	5	5	5	5	5	5	5	5	5	15	7	15	8	13	4	12	0	2
6	2205510	PRIVANSH U PANDEY	13	9	4	3	12	8	5	4	15	6	5	4	8	3	5	5	16	7	17	8	15	5	13	6	7
5	500065			9	4	3		8	5	4	15	6	5	4	3	5	5	5	16	8	17	5	15	7	13	6	4
6	2205510	RAGINI SINGH	10	7	5	5	10	7	5	4	15	6	4	4	17	7	5	5	17	3	16	7	14	0	17	4	8
6	500066			7	5	5		7	5	4	15	6	4	4	17	7	5	5	17	8	16	7	14	0	17	4	8
6	2205510	RAHUL SINGH	4	3	4	2	8	5	4	4	11	4	5	4	10	4	3	4	9	4	13	6	13	7	11	5	6
7	500067			3	4	2		5	4	4	11	4	5	4	10	4	3	4	9	3	13	7	13	7	11	5	6
6	2205510	RAI MISHRA	5	3	5	5	6	4	5	5	10	4	5	4	11	4	4	5	13	6	14	0	13	6	13	7	6
8	500068			3	5	5		4	5	5	10	4	5	4	11	4	4	5	13	6	14	0	13	6	13	7	6
6	2205510	RAJU KUMAR	10	7	5	5	7	5	4	5	8	3	4	5	9	4	5	5	17	8	14	6	12	1	14	8	7
9	500069			7	5	5		5	4	5	8	3	4	5	9	4	5	5	17	3	14	8	12	1	14	8	7
6	2205510	RAKESH KUMAR GUPTA	0	0	5	4	0	0	5	4	14	6	5	4	19	8	5	4	9	4	9	4	15	3	17	8	8
7	500070			0	5	4		0	5	4	14	6	5	4	19	8	5	4	9	4	9	4	15	3	17	8	8
7	2205510	RAMAN KUMAR	8	5	5	5	6	4	5	5	3	1	5	4	0	0	5	4	15	7	14	7	10	1	9	5	6
1	500071			5	5	5		4	5	5	3	1	5	4	0	0	5	4	15	7	14	7	10	1	9	5	6
7	2205510	RAVI PRAKASH TIWARI	10	7	5	5	7	5	4	5	4	2	4	4	8	3	5	5	17	8	14	6	10	4	13	6	4
2	500072			7	5	5		5	4	5	4	2	4	4	8	3	5	5	17	3	14	8	10	4	13	6	4
7	2205510	RISHAB PRAVESH GUPTA	5	3	4	5	8	5	4	5	9	4	4	4	7	3	5	5	12	6	14	7	12	5	13	6	7
3	500073			3	4	5		5	4	5	9	4	4	4	7	3	5	5	12	2	14	7	12	5	13	6	7
7	2205510	RITESH KUMAR	10	7	5	3	9	6	5	5	6	2	4	4	5	2	5	5	15	7	16	8	10	5	12	6	11
7	500074			7	5	3		6	5	5	6	2	4	4	5	2	5	5	15	7	16	8	10	5	12	6	11





9	2205510	TRIPTI SHARMA	9	6	5	4	9	6	5	5	4	2	4	4	6	2	4	3	4	2	5	5	15	7	5	16	8	10	4	9	4	4	12	5	5		
2	500092	UDAY SINGH GANDHI	7	5	5	4	8	5	5	3	7	3	4	4	6	2	5	5	9	4	4	5	14	6	8	13	7	11	5	12	6	6	13	5	3		
9	2205510	UJJAVAL CHAUHAN	12	8	5	3	13	9	4	5	5	2	5	5	5	5	5	7	3	4	5	16	8	8	18	8	12	0	11	5	5	12	9	5			
4	500094	UTKARSH SINGH	14	9	4	5	10	7	5	5	4	2	5	5	6	2	4	5	5	2	5	4	18	9	3	17	3	12	8	8	11	7	11	5	5		
9	2205510	VAIBHAV MISHRA	0	0	4	5	0	0	4	3	16	6	5	5	19	8	4	5	22	9	5	4	9	4	5	7	5	16	2	2	17	3	18	9	8		
6	500096	VARAD SINGH	10	7	5	4	14	9	4	2	0	0	4	4	1	0	5	5	1	0	5	4	16	7	8	15	7	8	0	10	5	2	9	4	4		
9	2205510	VARCHSVA SISODIYA	9	6	4	3	9	6	5	5	1	0	5	5	0	0	4	5	2	1	4	4	13	6	5	16	8	10	2	9	4	4	9	4	4		
8	500098	VIKASH YADAV	14	9	5	3	11	7	5	5	15	6	5	4	12	5	4	5	18	7	5	5	17	8	7	17	8	15	7	14	9	6	17	6	8		
9	2205510	VINIT YADAV	2	1	5	4	2	1	5	5	7	3	4	5	9	4	5	4	7	3	5	4	10	5	2	11	5	12	5	9	6	3	12	9	5		
1	0	VIPIN KUMAR VERMA	9	6	4	4	9	6	5	1	3	1	3	5	3	1	5	4	6	2	4	4	14	7	0	12	6	9	4	6	10	1	10	5	2		
1	0	VISHAL PANDEY	12	8	5	5	10	7	4	2	3	1	5	4	7	3	5	5	4	2	5	4	18	9	0	13	6	10	5	6	13	4	11	6	5		
0	500102	VISHAL YADAV	8	5	5	5	7	5	5	5	15	6	4	5	14	6	4	5	18	7	5	4	15	7	7	15	7	15	7	5	15	3	16	8	1		
1	0	VADAV ADITYA MAHENDR A	10	7	4	4	13	9	5	2	17	7	5	5	9	4	5	13	5	4	5	15	7	7	16	7	17	8	4	6	13	3	14	7	1		
0	500104	YOGESH MISHRA	14	9	4	5	14	9	5	5	13	5	5	5	10	4	4	5	8	3	5	4	18	9	2	19	9	15	7	6	13	5	12	6	1		
1	0																																				
5	2205510																																				
0	500105																																				





If 70% Students Scoring $\geq$ 70% Marks
ATTAINMENT LEVEL 3
If 60% Students Scoring $\geq$ 70% Marks
ATTAINMENT LEVEL 2
If 50% Students Scoring $\geq$ 70% Marks
ATTAINMENT LEVEL 1

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Total number of Students		105	10	10	10	10	10
Number of Student Secured $\geq$ 70% Marks		69	69	34	26	40	
% of Students Attained		66	66	32	25	38	
Attainment Level		2	2	1	1	1	1
CO Attainments							
S.N.	COs NO.	ATM Level	CO Attainments %				
1	CO1	2	66				
2	CO2	2	66				
3	CO3	1	32				
4	CO4	1	25				
5	CO5	1	38				
AVG		1	45				





# KASHI INSTITUTE OF PHARMACY

CO CORRECTIVE MEASURES OVER ALL ATTAINMENT (DIRECT+ INDIRECT)				
COURSE OUTCOMES ATTAINMENTS BASED ON				
INTERNAL TEST (IT), ASSIGNMENTS (A) & Other (O) MARKS				
CO Attainments				Action Plan
S.N.	COs NO.	COs%	CO Attainment level	
1	CO1	66	2	*Remedial Classes will be conducted. *Bridge classes for units.                      *Assignments *Solution for university question for unit
2	CO2	66	2	*Remedial Classes will be conducted. *Bridge classes for units.                      *Assignments *Solution for university question for unit
3	CO3	32	1	*Remedial Classes will be conducted. *Bridge classes for units.                      *Assignments *Solution for university question for unit
4	CO4	25	1	*Remedial Classes will be conducted. *Bridge classes for units.                      *Assignments *Solution for university question for unit
5	CO5	38	1	*Remedial Classes will be conducted. *Bridge classes for units.                      *Assignments *Solution for university question for unit
		<b>Average</b>	1.40	

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Head of the Department



# KASHI INSTITUTE OF PHARMACY

## CO-PO & PSO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2			2	-	-	-	-	-	3	2	3	1	2	2
CO2	3	-	-	-	-	-	3	3	3	3	2	2	3	-	2
CO3	3	-	3	2	2	-	2	3	2	3	2	2	2	3	2
CO4	2	1	2	2	-	-	2	2	-	2	-	3	2	2	-
CO5	2	-	-	2	-	-	-	-	-	2	-	2	2	2	-

### CO- PO & PSO COMPUTATION

COs	CO Attainment %	POs												PSOs															
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3													
CO1	66	2	1.3					2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3													
CO2	66	3	2	-	-	-	-	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6													
CO3	32	3	1	-	3	1	2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4													
CO4	25	2	0.5	1	5	2	0.5	2	0.5	2	0.5	2	0.5	2	0.5	2													
CO5	38	2	0.8	-	-	-	2	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7													
<b>TOTAL</b>		11	5.5	1	0.2	5	5	1.5	8	3.2	19	2	0.6	3.1	3.4	2.6	1	0.8	-	3.2	1	5.4	1	4.5	3	9	4	6	8
Attainment %		24.46																											
Attained Level		2																											
WEIGHTED AVERAGE VALUE OF POs/PSOs		1.1		0.2		0.7		0.8		0.6		1.0		1.1		1.3		1.2		1.0		1.0		0.9		0.8		1.0	
<b>P = PLANNED</b>		<b>A = ATTAINED</b>																											



CO Attainments			
S.N.	COs NO.	CO Percentage	CO ATM Level
1	CO1	65.71	2
2	CO2	65.71	2
3	CO3	32.38	1
4	CO4	24.76	1
5	CO5	38.10	1
AVERAGE		45.33	1.60

Action Taken Report	
COs	Action Taken
CO1	Attained
CO2	Attained
CO3	Attained
CO4	Attained
CO5	Attained

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KASHI INSTITUTE OF PHARMACY

CO-PO & PSO ATTAINMENT

OVER ALL ATTAINMENT					
COs	Attainment	POs	Attainment	PSOs	Attainment
CO1	2	PO1	1.10	PSO1	0.91
CO2	2	PO2	0.25	PSO2	0.89
CO3	1	PO3	0.73	PSO3	1.09
CO4	1	PO4	0.80		
CO5	1	PO5	0.65		
AVERAGE	1.40	PO6	0.00		
		PO7	1.04		
		PO8	1.15		
		PO9	1.31		
		PO10	1.23		
		PO11	1.09		
		PO12	1.09		
		AVERAGE	0.87	AVERAGE	0.96

**PO Attainment Result**

Programme Outcomes (POs) Attainment

PO = ( weighted Average Value of PO\*CO Attainment Average)/3

Pos	Attainment level
PO1	0.51
PO2	0.12
PO3	0.34
PO4	0.38
PO5	0.30
PO6	0.00
PO7	0.48
PO8	0.53
PO9	0.61
PO10	0.58
PO11	0.51
PO12	0.51



## PSO Attainment Results

### Programme Specific Outcomes (PSOs ) Attainment

PSO = ( weighted Average value of PSO\*CO Attainment Average)/3

PSOs	Attainment Level
PSO1	0.423
PSO2	0.413
PSO3	0.510

PSO CORRECTIVE MEASURES		
PSOs	Attainment	Action Plan
PSO1	0.423	*Students are encouraged to Enroll NPTEL & other online MOOCS certification courses and to appear for certification exam.
PSO2	0.413	*Analyse complex problem reaching substantiated conclusions.
PSO3	0.510	*Analyse complex problem reaching substantiated conclusions.



PO CORRECTIVE MEASURES		
POs	Attainment	Action Plan
PO1	0.51	*Students are encouraged to Enroll NPTEL & other online MOOC certification courses and to appear for certification exam.
PO2	0.12	*Analyse complex problem reaching substantiated conclusions.
PO3	0.34	*Designed based experiments using open ended software.
PO4	0.38	*Use different methods to solve complex problems. *Solve NPTEL Online Assignments.
PO5	0.30	*Students are encouraged to innovate the new idea for the social cause
PO6	0.00	
PO7	0.48	*Students are encouraged to Enroll NPTEL & other online MOOC certification courses and to appear for certification exam.
PO8	0.53	*Students are encouraged to Enroll NPTEL & other online MOOC certification courses and to appear for certification exam.
PO9	0.61	*Students are encouraged to Enroll NPTEL & other online MOOC certification courses and to appear for certification exam.
PO10	0.58	*Students are encouraged to Enroll NPTEL & other online MOOC certification courses and to appear for certification exam.
PO11	0.51	*Students are encouraged to Enroll NPTEL & other online MOOC certification courses and to appear for certification exam.
PO12	0.51	*Students are encouraged to Enroll NPTEL & other online MOOC certification courses and to appear for certification exam.

PO1	Action 1: Extra classes to be conducted for slow learners beyond the regular planned classes.
PO2	Action 1: Additional topic specific tests have been conducted.
PO3	Action 1: Simulation are conducted, where the students are exposed to new era.
PO4	Action 1: Question bank comprising of important questions from typical previous year question papers were prepared and attached to department repository which was accessible to students for further self-improvement.
PO5	Action 1: During lab students complete the extra programs other than syllabus which helps them to increase analytical skills
PO7	Action 1: Remedial HAP classes are conducted during the semester after every internal based on the performance.
PO7	Action 1: Assignment given to students to improve the learning process.
PO8	Action 1: Students are motivated to prepare the project focusing on lab experiments.
PO9	Action 1: More projects on solving complex problems will be focused.
PO10	Action 1: Mini projects given to students are quite complex to help them in understanding
PO11	Action 1: Surprise tests have been conducted.
PO12	Action 1: Revise the university question paper

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# KASHI INSTITUTE OF PHARMACY

## INDIRECT ATTAINMENT

Course : B. Pharm  
Course Code : BP101T  
Name of the Faculty : Mr. Sachchidanand Pathak

Semester: 1st

Academic Year: 2022-2023  
Course Name : HAP  
Section : A & B

S.No	Roll No.	Name	MM (20)	Percentage
1	2205510500001	ABHAY KUMAR YADAV	13	65
2	2205510500002	ABHINAV TRIPATHY	16	80
3	2205510500003	ABHISHEK KUMAR	15	75
4	2205510500004	ABHISHEK KUMAR CHOUBEY	12	60
5	2205510500005	ABHISHEK PANDEY	16	80
6	2205510500006	ADITYA KUMAR	15	75
7	2205510500007	ADITYA VISHWAKARMA	16	80
8	2205510500008	AKASH CHOUBEY	18	90
9	2205510500009	AKASH SINGH	15	75
10	2205510500010	ALOK SHARMA	15	75
11	2205510500011	AMAN KUMAR YADAV	15	75
12	2205510500012	AMAN TRIPATHI	13	65
13	2205510500013	ANCHAL MISHRA	18	90
14	2205510500014	ANMOL KUMAR	15	75
15	2205510500015	ANSH PANDEY	13	65
16	2205510500016	ANSHIK JAIN	14	70
17	2205510500017	ANUBHAV SINGH	14	70
18	2205510500018	ANURAG KUMAR	15	75
19	2205510500019	ARYAN KUMAR	10	50
20	2205510500020	ASHISH YADAV	17	85
21	2205510500021	ASHUTOSH SINGH	17	85
22	2205510500022	ASHWANI SINGH	16	80
23	2205510500023	ATUL KUMAR	15	75
24	2205510500024	AVATANSH MISHRA	15	75
25	2205510500025	AVINASH YADAV	13	65
26	2205510500026	AVIRAL ARYA	12	60
27	2205510500027	AYUSH CHAURASIYA	16	80
28	2205510500028	AYUSH KUMAR SRIVASTAVA	18	90
29	2205510500029	AYUSH MISHRA	17	85
30	2205510500030	AYUSH PRATAP SINGH	17	85
31	2205510500031	DEEP DEV	15	75



32	2205510500032	DHAWAL SONI	15	75
33	2205510500033	DIVYANSHU SHARMA	16	80
34	2205510500034	EKTA YADAV	18	90
35	2205510500035	HARSH DEV SINGH	16	80
36	2205510500036	HARSH KUMAR MODANWAL	16	80
37	2205510500037	HEMRAJ KUMAR	16	80
38	2205510500038	HITESH TRIPATHI	10	50
39	2205510500039	JAGRITI MAURYA	15	75
40	2205510500040	KAJAL YADAV	15	75
41	2205510500041	KANOJIYA ROHIT MAHENDRAPRATAP	15	75
42	2205510500042	KHUSHBOO YADAV	14	70
43	2205510500043	KISHNAKANT SINGH CHAUHAN	15	75
44	2205510500044	KRISHNA NAND SHARMA	15	75
45	2205510500045	KUMAR SAHIL	17	85
46	2205510500046	KUNWAR PRATAP SINGH	17	85
47	2205510500047	MADHU SINGH	17	85
48	2205510500048	MANGESH VISHWAKARMA	18	90
49	2205510500049	MAYANK MISHRA	16	80
50	2205510500050	MAYANK MISHRA	16	80
51	2205510500051	MO. ARMAN SHEKH	16	80
52	2205510500052	MOHD. TAUSIF KHAN	15	75
53	2205510500053	NANDANI KUSHWAHA	15	75
54	2205510500054	NIHARIKA UPADHYAY	15	75
55	2205510500055	NISHANT TIWARI	18	90
56	2205510500056	PAL SONI OMPRAKASH	18	90
57	2205510500057	PIYUSH PATEL	18	90
58	2205510500058	PRACHI SINGH VERMA	17	85
59	2205510500059	PRAJVAL PANDEY	17	85
60	2205510500060	PRASHANT KUMAR YADAV	13	65
61	2205510500061	PRATHAM JAISWAL	16	80
62	2205510500062	PRAVEEN SINGH	14	70
63	2205510500063	PRINCE MISHRA	17	85
64	2205510500064	PRINCE VERMA	10	50
65	2205510500065	PRIYANSHU PANDEY	15	75
66	2205510500066	RAGINI SINGH	18	90
67	2205510500067	RAHUL SINGH	16	80
68	2205510500068	RAJ MISHRA	18	90
69	2205510500069	RAJU KUMAR	17	85
70	2205510500070	RAKESH KUMAR GUPTA	16	80





71	2205510500071	RAMAN KUMAR	15	75
72	2205510500072	RAVI PRAKASH TIWARI	12	60
73	2205510500073	RISHAB PRAVESH GUPTA	16	80
74	2205510500074	RITESH KUMAR YADAV	17	85
75	2205510500075	SACHIN KUMAR SONI	12	60
76	2205510500076	SANJEEV KUMAR	14	70
77	2205510500077	SANTOSH GUPTA	17	85
78	2205510500078	SATYAM SINGH	18	90
79	2205510500079	SATYAM TIWARI	15	75
80	2205510500080	SAUMYA PANDEY	18	90
81	2205510500081	SHIVAM TIWARI	18	90
82	2205510500082	SHRESHTHI SINGH	17	85
83	2205510500083	SHREYA GUPTA	18	90
84	2205510500084	SHRIKANT	12	60
85	2205510500085	SHUBHAM GUPTA	15	75
86	2205510500086	SHUBHAM PANDEY	15	75
87	2205510500087	SUGANDH KUMAR CHOUDHARY	16	80
88	2205510500088	SUJATA SINGH	12	60
89	2205510500089	SUPRIYA RAI	18	90
90	2205510500090	SURAJ PAL	18	90
91	2205510500091	SURUCHI KUMARI	18	90
92	2205510500092	TRIPTI SHARMA	15	75
93	2205510500093	UDAY SINGH GANDHI	18	90
94	2205510500094	UJJAVAL CHAUHAN	16	80
95	2205510500095	UTKARSH SINGH	15	75
96	2205510500096	VAIBHAV MISHRA	14	70
97	2205510500097	VARAD SINGH	10	50
98	2205510500098	VARCHSVA SISODIYA	11	55
99	2205510500099	VIKASH YADAV	13	65
100	2205510500100	VINIT YADAV	12	60
101	2205510500101	VIPIN KUMAR VERMA	12	60
102	2205510500102	VISHAL PANDEY	14	70
103	2205510500103	VISHAL YADAV	13	65
104	2205510500104	YADAV ADITYA MAHENDRA	16	80
105	2205510500105	YOGESH MISHRA	17	85
<b>Total number of Students</b>				<b>105</b>
<b>Number of Student Secured &gt;= 70% Marks</b>				<b>85</b>
<b>% of Students Attained</b>				<b>81</b>
<b>Attainment Level</b>				<b>3</b>





If 70% Students Scoring $\geq$ 70% Marks
<b>ATTAINMENT LEVEL 3</b>
If 60% Students Scoring $\geq$ 70% Marks
<b>ATTAINMENT LEVEL 2</b>
If 50% Students Scoring $\geq$ 70% Marks
<b>ATTAINMENT LEVEL 1</b>

<b>COs</b>	<b>Action Taken</b>
All COs	Attained

Sign of Faculty

Head of the Department



<b>KASHI INSTITUTE OF PHARMACY</b>				
<b>OVERALL ATTAINMENT</b>				
<b>DIRECT ATM LEVEL</b>	<b>AKTU END SEM ATM LEVEL</b>	<b>DT*0.2+AE*0.8</b>	<b>INDIRECT ATM LEVEL</b>	<b>OVERALL ATM LEVEL</b>
1.40	3	2.68	3	<b>2.84</b>
<b>OVERALL ATM AVG.</b>		<b>2.84</b>		

<b>Gap Analysis</b>		
<b>Target Attainment level</b>	<b>Attainment Level</b>	<b>Gap = Target in level - Attainment in level</b>
3.00	2.84	0.16

Sign of Faculty

Head of the Department





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## 24. TIME TABLE FOR REMEDIAL CLASSES



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Ref. No. KashiIP/2022-23/31

Date: 10.01.2023

### NOTICE

#### Lecture Plan for Slow Learner Students

It is directed to all 1<sup>st</sup> year faculties that kindly take the extra classes of your concern subject for the 1<sup>st</sup> year slow learner students. The ultimate aim of remedial teaching is to help students who have fallen behind to learn according to the best of their abilities and to bring them back into mainstream classes as far as possible.

As per the direction of respected Director Sir, tutorial plan for 1<sup>st</sup> year **Slow Learner/weak** students are as follows:

(B. Pharm 4<sup>th</sup> Sem)

Sr. No.	Faculty Name & Subject	Number of Lecture
1.	Mr. Sachchidanand Pathak (BP101T)	Thursday 2 <sup>nd</sup> Lect.
2.	Mr. Devendra Kumar Dabey (BP102T)	Saturday 4 <sup>th</sup> Lect.
3.	Mr. O.P. Verma (BP103T)	Thursday 6 <sup>th</sup> Lect.
4.	Mr. Manoj Kumar Prajapati (BP104T)	Monday 8 <sup>th</sup> Lect.

\*Note: List of slow learner/week students is attached.

  
Class Coordinator

  
Director

  
Director  
(Kashi Institute of Pharmacy)

Address: 23 km Milestone, Varanasi-Prayagraj Road, Mirzamurad, Varanasi- 221307 (U.P.)

Address: 23 km Milestone, Varanasi-Prayagraj Road, Mirzamurad, Varanasi, 221307







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## RECORD OF WEAK STUDENTS

Student Name	Father's Name & Mobile No.	Action Taken
Abhay Kr. Yadav		
Abhinav Tripathi		① Section classes
Aditya Kumar		arrange for
Aditya Vishwakarma		these students.
Akash Singh		
Alok Sharma		② share the
Arjun Kr. Yadav		Practicals the
Anshik Jain		Previous year
Anubhav Singh		Ch. Papers.
Atul Kumar		
Dhawal Soni		
Harsa Kr. Madanwar		
Mithun Tripathi		
Mehank Mishra I + II		
Mr. Arman Sheikh.		





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## 25. BRIDGE COURSES

Bridge Courses for 2022 - 2023 Batch	
Sr. No.	Courses/Topic
1.	Remedial Biology
2.	Remedial Mathematics
3.	Communication Skills
4.	English Writing
5.	Basics of Computer

TIME TABLE FOR REMEDIAL BIOLOGY		
Date	Day	Topic
10.10.2022	Monday	Cell & Tissue
11.10.2022	Tuesday	Living world
12.10.2022	Wednesday	Circulation & Digestion
13.10.2022	Thursday	Excretory products
14.10.2022	Friday	Plants and mineral nutrition





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## 26. RECORD OF REMEDIAL CLASSES

Roll.No.	Date/Month -	5/1	6/1	7/1	8/1	9/1	1/2	2/2	3/2	4/2	5/2	6/2	7/2	8/2	9/2
01	Abhay Kr. Yadav	P	P	P	P	P	.	.	P	P	P	.	P	P	
02	Abhinav Tripathi	P	P	P	.	P	P	P	.	P	P	P	P	P	P
06	Aditya Kumar	P	.	P	P	.	P	.	P	P	P	P	P	P	P
07	Aditya Vishwakarma	.	P	P	P	P	P	.	P	P	.	P	P	P	P
09	Akash Singh	P	P	.	.	P	P	P	P	P	P	P	.	P	P
10	Alok Sharma	.	P	P	P	.	P	P	.	P	P	P	P	P	P
11	Anam Kr. Yadav	P	P	.	P	P	P	.	P	P	P	P	P	P	.
16	Anshik Jain	P	P	P	P	P	.	P	.	P	.	P	P	P	P
17	Anubhav Singh	P	P	P	.	P	.	P	P	P	P	.	P	P	P
23	Atul Kumar	P	.	P	.	P	P	P	P	P	P	.	P	P	P
32	Dhawal Saru	P	P	P	P	P	P	.	.	P	P	P	P	P	.
36	Harsh Kr. Madanwal	P	P	P	P	P	P	.	P	.	P	P	.	P	P
38	Hitesh Tripathi	.	.	P	P	.	P	P	P	P	P	P	P	P	P
49	Mayank Mishra I	P	.	P	P	P	P	P	P	.	P	P	.	P	P
50	Mayank Mishra II	.	P	P	P	.	P	P	.	P	.	P	P	P	P
51	Mo. Arman Sheikh	.	P	P	P	P	P	P	P	.	.	P	P	P	P







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## 27. RECORD OF BRIDGE CLASSES

*Pravin Kumar*  
*Pravin Kumar*  
*Pravin Kumar*  
**B.PHARM 1 YEAR 2022-23**

S. No.	Name of Candidate	Father's Name	10	11	12	13	14	15
1	ABHAY KUMAR YADAV	MUNNA YADAV	P	P	P	P	P	P
2	ADITHYAN TRIPATHI	SHAILendra KUMAR TRIPATHI	P	P	P	P	P	P
3	ADISHTEK KUMAR	RAJAN PRASAD	P	P	P	P	P	P
4	ADISHTEK KUMAR CHOUBEY		P	P	P	P	P	P
5	ADISHTEK PANDEY	CHANDRA SHEKHAR PANDEY	P	P	P	P	P	P
6	ADITYA KUMAR		P	P	P	P	P	P
7	ADITYA VISHWAKARMA	BJAJESH KUMARSINGH	P	P	P	P	P	P
8	ADARSH CHOUBEY	ISHWAR BABAYAN	P	P	P	P	P	P
9	ADARSH SINGH	SUNIL KUMAR CHOUBEY	P	P	P	P	P	P
10	AJAY SHARMA	LOKNATH SINGH	P	P	P	P	P	P
11	AJMAN KUMAR YADAV	JITENDRA KUMAR SHARMA	P	P	P	P	P	P
12	AMAR TRIPATHI	KALPNATH YADAV	P	P	P	P	P	P
13	ANCHAL MISHRA	DHARMENDRA TRIPATHI	P	P	P	P	P	P
14	ANWAL PANDEY	ARUN KUMAR MISHRA	P	P	P	P	P	P
15	ANMOJ KUMAR	SHASHI KANT PANDEY	P	P	P	P	P	P
16	ANMOJ KUMAR SINGH	GANESH PRASAD	P	P	P	P	P	P
17	ANSH PANDEY	RAJENDRA KUMAR SINGH	P	P	P	P	P	P
18	ANSHU JAIN	RAJ KUMAR PANDEY	P	P	P	P	P	P
19	ANUBHAV SINGH	ARUN KUMAR JAIN	P	P	P	P	P	P
20	ANURAG JHA	AJAY KUMAR SINGH	P	P	P	P	P	P
21	ANURAG KUMAR	RAKESH KUMAR	P	P	P	P	P	P
22	ANUSH YADAV	MATA PRASAD YADAV	P	P	P	P	P	P
23	ANUSHOSH SINGH	SANDEEP KUMAR SINGH	P	P	P	P	P	P
24	ANVANI DOBEY	ARUN KUMAR DOBEY	P	P	P	P	P	P
25	ANWARI SINGH	ARVIND KUMAR SINGH	P	P	P	P	P	P
26	ARUN KUMAR	DAYA SHANKAR SINGH	P	P	P	P	P	P
27	AVANTASH MISHRA	PRITAM MISHRA	P	P	P	P	P	P
28	AVIRAL ARYA	YOGESH KUMAR ARYA	P	P	P	P	P	P
29	AVISHI KUMAR SHUKLA	SHYAM KUMAR SHUKLA	P	P	P	P	P	P
30	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
31	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
32	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
33	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
34	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
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39	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
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41	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
42	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
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44	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
45	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
46	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
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48	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
49	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
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51	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
52	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
53	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
54	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
55	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
56	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
57	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
58	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
59	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
60	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
61	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
62	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
63	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
64	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
65	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
66	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
67	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
68	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
69	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
70	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
71	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
72	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
73	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
74	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
75	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
76	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
77	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
78	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
79	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
80	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
81	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
82	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
83	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
84	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
85	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
86	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
87	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
88	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
89	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
90	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
91	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
92	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
93	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
94	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
95	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
96	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
97	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
98	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
99	AVISHI KUMAR SHUKLA		P	P	P	P	P	P
100	AVISHI KUMAR SHUKLA		P	P	P	P	P	P





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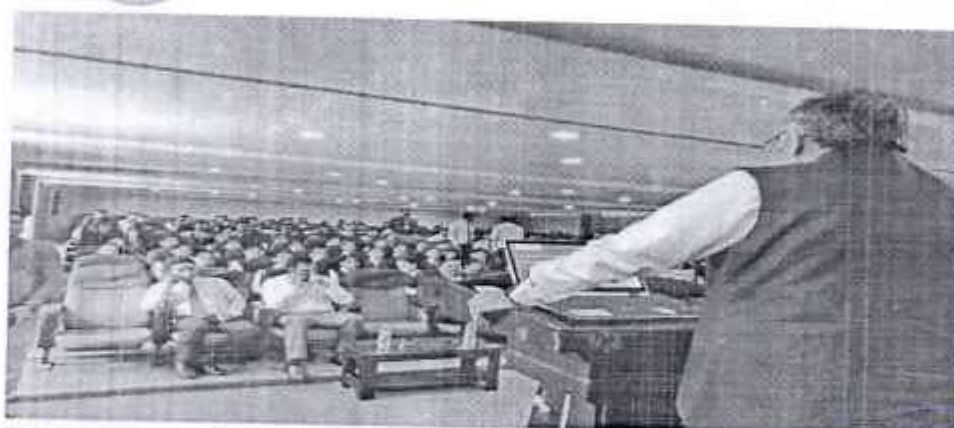
00-123-321-123

## 28. RECORD OF GUEST LECTURE CONDUCTED

Sr. No.	Guest Lecture	Date
1.	Mobile Addiction and Ways to be Free from Mobile Addiction	17/02/2023
2.	Opportunity in Pharma Field	17/02/2023
3.	Current Challenges & Opportunities in Pharma Marketing	18/03/2023
4.	Study Plan for B. Pharmacy Study	28/12/2022

Kashi Institute of Pharmacy invites you for an awareness session on the topic:

<b>Mobile addiction and Ways to be free from Mobile addiction</b>	<b>Opportunities in pharma field</b>
 <b>Dr. P. K. Singh</b> Leading Psychiatrist - Varanasi	 <b>Mr. Chirag Mehta</b>
<b>Date - 17<sup>th</sup> Feb, Friday</b>	<b>Time - 2PM ( After Noon)</b>
<b>Venue: Kashi Institute of pharmacy Varanasi – Prayagraj Highway, Mirzamurad – Varanasi</b>	
Organized by: 	Special thanks <b>Narayan Neuro Psychiatry Centre</b> Venue - Varanasi, Uttar Pradesh



Address: 23 km Milestone Varanasi-Prayagraj Road, Mirzamurad, Varanasi, 221307











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## 29. UNIVERSITY QUESTION PAPER

Printed Pages:01

Sub Code: BP- 101T

Paper Id:

Roll No.

### B PHARM (SEM I) THEORY EXAMINATION 2022-23 HUMAN ANATOMY AND PHYSIOLOGY-THEORY

Time: 3 Hours

Total Marks: 75

Note: Attempt all Sections. If require any missing data; then choose suitably.

#### SECTION A

1. Attempt all questions in brief.

10 x 2 = 20

- Define Anatomy & Physiology.
- Write the name of two neurotransmitter.
- Write the name of Universal donor.
- Define the term Synapse.
- What do mean by Rh factor?
- Write about the two main function of lymphatic system.
- Write the name of pigment present in rod and cone cell.
- Name the bones present in the ear.
- What is cardiac output?
- Write the name of power house of the cell.

#### SECTION B

2. Attempt any two parts of the following:

2 x 10 = 20

- Draw a well labeled diagram of plasma membrane and explain transport mechanisms across plasma membrane.
- Classify Skeletal system & Discuss about the structure and function of Vertebral column.
- Define blood coagulation. Write in details about different stages involved in blood coagulation.

#### SECTION C

3. Attempt any five parts of the following:

5 x 7 = 35

- Explain the anatomy of Heart with well labeled diagram.
- Explain the physiology of hearing in detail.
- Write a note on Blood Groups and explain Erythroblastosis fetalis.
- Discuss the anatomy and physiology of Lymph node.
- Draw a well labeled diagram of cell and its function.
- Write a short note on Mitosis.
- Describe the basic anatomy of Eye with the help of diagram.











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Printed Page 1 of 1

Sub Code: BP101T

Paper Id: **150101**

Roll No: 

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**B. PHARM**  
**(SEM- I) THEORY EXAMINATION 2019-20**  
**HUMAN ANATOMY AND PHYSIOLOGY-I**

*Time: 3 Hours*

*Total Marks: 75*

**Note:** 1. Attempt all Sections. If require any missing data; then choose suitably.

**SECTION A**

1. Attempt all questions in brief. **10 x 2 = 20**
- Define Sagital & Coronal plane.
  - Write the function of Ribosome.
  - Define Osteoblast & Osteocalst.
  - Draw a well labeled dingrnm of Cell.
  - What is Catabelism and Anabolism?
  - Write about the two main function of Skin.
  - Write the name of pigment present in Rod and Cone cell.
  - Name the boues present in the Ear.
  - Write a short note regulation of blood pressure.
  - Define Optic disc.

**SECTION B**

2. Attempt any two parts of the following: **2 x 10 = 20**
- Classify Skeletal system & discuss about the structure and functions of vertebral column.
  - Draw a neat labeled diagram of Heart. Explain in detail Cardiac cycle.
  - Define Cell division. Discuss about the somatic cell division in details.

**SECTION C**

3. Attempt any five parts of the following: **5 x 7 = 35**
- Write about the structure and function of Plasma Membrane.
  - Write a note on Erythropoiesis.
  - Write about the structure and function of Long bone.
  - Discuss about the mechanism and physiology of hearing.
  - Write a note on disorders related to heart.
  - Discuss in detail about lymph circulation and functions of lymphatic system.
  - Describe the mechanism of Blood Coagulation.





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00-123-321-123

Printed Pages: 01

Paper Id:

Sub Code: BP101T

Roll No.

**B PHARM  
(SEM- 1) THEORY EXAMINATION 2018-19  
HUMAN ANATOMY AND PHYSIOLOGY**

Time: 3 Hours

Total Marks: 75

**SECTION A**

1. Attempt *all* questions in brief. 10 x 2 = 20
- Explain the term autocrine and juxtacrine signaling.
  - Name the gland which secretes wax in the ear.
  - What is hemoglobin? What are its normal values in humans and write about its importance in human body?
  - What is the difference between endocrine and exocrine gland?
  - Define autophagy and autolysis.
  - Write any two functions of Ribosome.
  - Differentiate between thick and thin filament.
  - Name the largest nerve of human body.
  - What do you mean by Heart rate?
  - Write the primary neurotransmitters of sympathetic and parasympathetic nervous system.

**SECTION B**

2. Attempt any *two* parts of the following: 2 x 10 = 20
- Define Hemostasis. Explain in detail the process of blood coagulation with emphasis on extrinsic and intrinsic pathways along with the clotting factors.
  - Discuss about the anatomy and physiology of Eye with diagram.
  - Discuss in detail about active transport process across plasma membrane.

**SECTION C**

3. Attempt any *five* parts of the following: 7 x 5 = 35
- What do you mean by anemia? Explain its various types.
  - Write an elaborated note on structure and function of plasma membrane.
  - Write a short note on cranial nerves with emphasis on their functions.
  - Classify joints. Write a short note on synovial joint.
  - Write about various events occurs at neuromuscular junction.
  - Write a note on cardiac cycle.
  - Explain the anatomy and physiology of lymph node.





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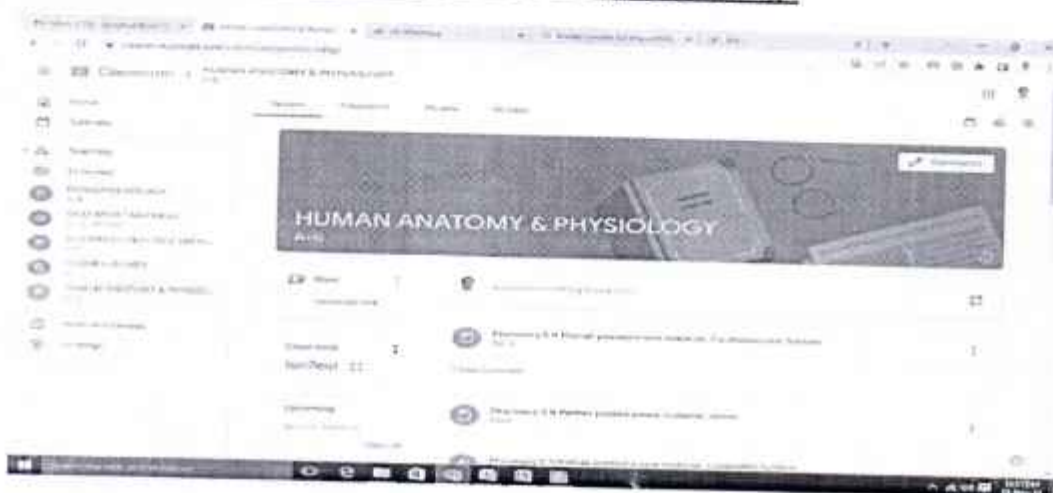
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## 30. LECTURE NOTES

- ❖ Lecture notes has been prepared (Handwritten, PPT and Handbook) and compiled in separate file.
- ❖ The link of prepared lecture also shared with the students.

**Google Classroom Link:**

<https://classroom.google.com/c/NTMyMDgwODc2MTg1>



**YouTube Channel Link:**

<https://www.youtube.com/@pharmapathshalawithsachi>



Address: 73 km Milestone, Varanasi-Prayagraj Road, Mirzamurad, Varanasi, 221307





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**END OF  
COURSE FILE**