

**PEOPLE'S COLLEGE OF MEDICAL SCIENCES & RESEARCH CENTRE, BHANPUR,
BHOPAL
UNDERGRADUATE COURSE
MBBS: Pathology**

| | |
|---------------------------|---|
| Program outcomes | <p>At the end of the course</p> <ul style="list-style-type: none"> • The student should be able to understand concept of cell injury and changes, mechanism and deranged Haemostasis, aetiopathogenesis, Pathology effects, gross and microscopic features diagnosis, prognosis and clinical Pathological correlation of common infectious and non-infectious disease. • Student should be able to understand the overall concepts of Neoplasia with recent trends. Should be able to correlate normal and altered morphology in Systemic disorders and their clinical significance. • Student should have knowledge of common Immunological disorders and their effect on human body. • Similarly common Haematological disorders, their diagnosis Lab investigations should be well known to them along with the clinical Pathological correlation. • They should be well versed with the principle of collection handling and dispatch of clinical samples from patients in proper manners. They should understand different type of biomedical waste, their potential risk and their management. |
| Program specific outcomes | <ul style="list-style-type: none"> • Describe the structure and ultrastructure of a sick cell, mechanisms of cell degeneration, cell death and repair and be able to correlate structural and functional alterations. • Explain the pathophysiological processes which govern the maintenance of homeostasis, mechanisms of their disturbance and the morphological and clinical manifestation associated with it. • Describe the mechanisms and patterns to tissue response to injury such that she/he can appreciate the pathophysiology of disease processes and their clinical manifestations. • Correlate normal and altered morphology (gross and microscopic) of different organ systems in common diseases to the extent needed for understanding of disease processes and their clinical significance. |
| Course outcomes | <p>At the end of course of UG student in Pathology should have a comprehensive knowledge of the mechanism and causes of a disease, in order to enable him/her to achieve complete understanding of the natural history and clinical manifestations of a disease.</p> |

**Chairman
Board of Studies
PCMS & RC**

**Dean
PCMS & RC**

Course Name: M.D. Pathology

| | |
|----------------------------------|---|
| <p>Program outcomes</p> | <p>A candidate upon successfully qualifying in the M.D. Pathology examinations should be -</p> <ul style="list-style-type: none"> • Capable of offering a high quality diagnostic opinion in a given clinical situation with an appropriate and relevant sample of tissue, blood, body, fluid, etc. the purpose of diagnosis and overall well being of the ill. • Able to teach and share his knowledge and competence with others. He/she should be imparted training in teaching methods in the subject which may enable them to take up teaching assignments in Medical Colleges/Institutes. • Capable of pursuing clinical and laboratory based research. He/She should be introduced to basic research methodology so that can conduct fundamental and applied research. |
| <p>Program specific outcomes</p> | <p>Diagnosis routine and complex clinical problems on the basis of Histopathology surgical Pathology and cytopathology specimens, Blood and Bone Marrow Biochemistry as well as Blood banking (Transfusion Medical)</p> <ul style="list-style-type: none"> • Interpret and correlate clinical and laboratory data so that clinical manifestation disease can be explained. • Advice on the appropriate specimens and tests necessary to arrive at a diagnosis in a problematic case. • Correlate clinical and laboratory findings with pathology finding at autopsy, identify discorrelations and the causes of death due to diseases (apart from purely metabolic causes). • Should be able to reach Pathology to UG's & PG's, nurses and paramedical staff including laboratory personnel. • Plan execute, analyse and present research work. • Make and record observations systematically and maintain accurate records of tests and their results for reasonable periods of time identify problems in the laboratory, offer solutions thereof & maintain a high order of quality control. • Capable of safe & effective disposal of laboratory waste. • Able to supervise and work with subordinates and colleagues in a laboratory. |
| <p>Course outcomes</p> | <ul style="list-style-type: none"> • At the end of the course the student, after undergoing the training, should be able to deal effectively with the needs of the medical community and should be competent to handle all problems related to the specialty of Pathology and recent advances in the subject. <p>The post graduate student should also acquire skills in teaching Pathology to medical and paramedical students and be able to integrate teaching of Pathology with other relevant subjects, while being aware of her/his limitations.</p> |

**Chairman
Board of Studies
PCMS & RC**

**Dean
PCMS & RC**