

**Second BHMS (2015) Examination, Winter**  
**(Phase - III All Other remaining UG/PG Course) - 2019**  
**PATHOLOGY, BACTERIOLOGY & PARASITOLOGY - I**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.



1. Write short answer (**any ten** out of fifteen): [10 × 2 = 20]
- a) Give 4 causes of fatty liver.
  - b) Define necrosis & enumerate its types.
  - c) Write 4 differentiating features between nephrotic & nephritic oedema.
  - d) Name 4 diseases in which chronic granulomatous inflammation is seen.
  - e) Give 2 possible causes of CVC liver.
  - f) Define 'anaplasia'.
  - g) Give 2 functions of T cells.
  - h) Name 4 conditions in which ESR is raised.
  - i) Give any 4 causes of lymphocytosis.
  - j) Give morphological classification of cirrhosis.
  - k) Give 4 differentiating features between duodenal & gastric ulcers.
  - l) Define hypothyroidism.
  - m) Write 2 differentiating features in CSF in acute pyogenic & viral meningitis.
  - n) Define angina pectoris.
  - o) Name 4 aetiologic microbial agents for lobar pneumonia.

2. Write short answer (**any four** out of six) :

[4 × 5 = 20]

- a) Hypovolaemic shock
- b) Define & classify amyloidosis.
- c) Differentiate between dry & wet gangrene.
- d) Hyaline degeneration
- e) Unconjugated hyperbilirubinaemia
- f) Fine Needle Aspiration Biopsy

3. Write short answer (**any four** out of six):

[4 × 5 = 20]

- a) Laboratory diagnosis of acute myocardial infarction
- b) Risk factors for cholelithiasis
- c) squamous cell carcinoma
- d) Aetiopathogenesis of chronic bronchitis
- e) Liver function test
- f) Iron deficiency anaemia

4. Long answer question (**any two** out of four):

[2 × 10 = 20]

- a) Explain the vascular & cellular changes in acute inflammation.
- b) Discuss the agglutination reactions in detail.
- c) Write in detail the difference between Crohn's disease & ulcerative colitis.
- d) Explain the classification & aetiopathogenesis of diabetes mellitus.

**Long answer question (any one from Q. No. 5, 6 and 7)**

5. Define neoplasia. Explain the difference between benign & malignant neoplasm. Describe gross & microscopic features and aetiopathogenesis of renal adenocarcinoma. [1 × 20 = 20]

6. Define embolism. Describe types of embolism. Explain sources, risk factors, pathogenesis & effects of pulmonary embolism. [1 × 20 = 20]

7. Define immunity. Write difference between active immunity & passive immunity. Write a detailed note on natural & artificial active immunity. [1 × 20 = 20]



**Second BHMS (2015) Examination, Winter**  
**(Phase - III All Other remaining UG/PG Course) - 2019**  
**PATHOLOGY & BACTERIOLOGY & PARASITOLOGY - II**

Total Duration : 3 Hours

Total Marks : 100

- Instructions :**
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  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

1. Write short answer (any ten out of fifteen):

[10 × 2 = 20]

- a) Name four Gram negative bacilli.
- b) Name two culture media for *Corynebacterium diphtheriae*.
- c) Name types of Flagellar arrangement.
- d) Name three types of clostridia.
- e) Name four diseases caused by *E. coli*.
- f) Write down larval stage of *Taenia saginata* and *Taenia solium*.
- g) Name two parasites where portal of entry is skin.
- h) Name types of Malarial parasites.
- i) Write two diagnostic methods of *Schistosoma haematobium*.
- j) What is ASO titre and write two diseases in which it is raised.
- k) Name four parasites in which stool examination is diagnostic.
- l) Write the function of Capside.
- m) Name any four RNA viruses.
- n) Name two examples of Oncogenic virus.
- o) Write down four classes of fungi.

2. Write short answer (any four out of six) : [4 × 5 = 20]
- a) Morphology and pathogenicity of *Staphylococcus aureus*.
  - b) Pathogenicity and lab diagnosis of *Neisseria meningitidis*.
  - c) Difference in stool between Amoebic and Bacillary dysentery.
  - d) Kala azar.
  - e) Varicella zoster virus.
  - f) Types of stains.

3. Write short answer (any four out of six): [4 × 5 = 20]
- a) Widal test.
  - b) Different shapes of bacteria with examples.
  - c) Write different classes of parasites.
  - d) Methods of transmission of infections.
  - e) Pathogenesis and lab diagnosis of polio virus.
  - f) Negri bodies.

4. Long answer question (any two out of four): [2 × 10 = 20]
- a) Define sterilization, write physical method of it and write a note on hot air oven.
  - b) Define culture media and write down types of culture media.
  - c) Describe pathogenicity of Influenza virus and lab diagnosis.
  - d) Describe morphology, life cycle, pathogenicity of *Giardia lamblia*.

**Long answer question (any one from Q. No. 5, 6 and 7)**

5. Describe *Pneumococcus* under following: [1 × 20 = 20]
- a) Morphology.
  - b) Cultural characters.
  - c) Pathogenicity.
  - d) Lab diagnosis.

6. Describe *Echinococcus granulosus* under following: [1 × 20 = 20]
- a) Morphology.
  - b) Life cycle.
  - c) Pathogenicity.
  - d) Lab diagnosis.

7. Describe H.I.V. virus under following: [1 × 20 = 20]
- a) Structure.
  - b) Routes of entry.
  - c) Pathogenesis.
  - d) Lab diagnosis.

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**Second BHMS (2015) Examination, Winter**  
**(Phase - III All Other remaining UG/PG Course) - 2019**  
**FORENSIC MEDICINE AND TOXICOLOGY**

Total Duration : 3 Hours

Total Marks : 100

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  - 3) All questions are **compulsory**.
  - 4) The number to the **right** indicates **full marks**.
  - 5) Draw diagrams **wherever necessary**.
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1. Write short answer (any ten out of fifteen):

[10 × 2 = 20]

- a) Define state medicine.
- b) Panchnama report.
- c) Court.
- d) Tattoo marks.
- e) Define Inquest.
- f) Exhumation.
- g) Define judicial hanging.
- h) Hesitation cuts.
- i) Define oxaluria.
- j) Lead line.
- k) Fatal dose and fatal period of insuline.
- l) Tourniquet.
- m) Alkaloids of opium poison.
- n) Active principles of strychnine poison.
- o) Run amok.

2. Write short answer (any four out of six) :

- a) Subpoena.
- b) Duties of R.M.P.
- c) Factors modifying the appearance of a bruises.
- d) Presumptive signs of pregnancy.
- e) CCH and its functions.
- f) Death from starvation.

3. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Diagnosis of poison in dead.
- b) Signs & symptoms in <sup>E. Treatment</sup> paracetamol. *Alcoholic Intoxication*
- c) Clasify Mechanical Poisons with its sigh and symptoms.
- d) Preparation of abrus precatorious (sui.) needles.
- e) Signs & symptoms of vasculotoxic venom.
- f) Carbon monoxide symptoms & signs.

4. Long answer question (any two out of four):

[2 × 10 = 20]

- a) Discuss rigor mortis in detail.
- b) Define sodomy? Examination of passive agent and active agent in case of sodomy.
- c) Medicolegal importance of age.
- d) Discuss stab wound in detail.

Long answer question (any one from Q. No. 5, 6 and 7)

5. Describe sign symptoms, fatal dose, fatal period, treatment, pm and medicolegal importance of sulphuric acid poison. [1 × 20 = 20]

6. Discuss arsenic poisoning in detail (acute & chronic). [1 × 20 = 20]

7. General lines of treatment in detail in case of poisoning. [1 × 20 = 20]



**Second BHMS (2015) Examination, Winter**  
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**HOMOEOPATHIC MATERIA MEDICA**

Total Duration : 3 Hours

Total Marks : 100

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  - 3) **All** questions are **compulsory**.
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
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1. Write short answer (**any ten** out of fifteen): [10 × 2 = 20]
- a) Write the common name and family of Cinchona officinalis
  - b) Write thirst and intolerance of Aethusa Cynapium.
  - c) Write two ailments from of Aconite Napellus.
  - d) Write any two peculiar mentals of Sulphur.
  - e) Name of two remedies for suppuration.
  - f) Define Diathesis.
  - g) Write any two characteristic mentals of Argentum Nitricum.
  - h) Trios of restlessness
  - i) Write any two red line symptoms of Kali. Sulph. in skin affection.
  - j) Define Polycrest remedies.
  - k) Write common name and family of Bryonia Alba.
  - l) Define Modalities
  - m) Trios of Burning.
  - n) Write down any two red line symptoms of Magnesia Phosphorica.
  - o) Write peculiar menses of Euphrasia.

2. Write short answer (**any four** out of six) :

[4 × 5 = 20]

- a) Skin complaints - of Sulphur
- b) Respiratory Complaints - of Antimonium tartaricum.
- c) Gastrointestinal disorder - of Ipecacunha
- d) Female genital disorder - of Bryona alba
- e) Rheumatism - of Ledum pal
- f) Biochemic indications of Calcareo flour.

3. Write short answer (**any four** out of six):

[4 × 5 = 20]

- a) Respiratory complaints - of Drosera rotundifolia.
- b) Concept of Homoeopathy.
- c) Describe various methods of studying Homoeopathic materia medica.
- d) Gastrointestinal disorder of - Thuja occidentalis.
- e) Asthma - of Spongia tosta
- f) Abdominal colic of Colocynthis.

4. Long answer question (**any two** out of four):

[2 × 10 = 20]

- a) Write down various types of Homoeopathic materia medica.
- b) Compare Nat Mur and Pulsatilla - Lady.
- c) Biochemic indications of Kali. phos.
- d) Compare Arnica montana and Hypericum perforatum in injury.

**Long answer question (any one from Q. No. 5, 6 and 7)**

5. Define Homoeopathic Materia Medica. Explain in detail the various sources of Homoeopathic materia medica and write in brief about scope and limitations of Homoeopathic materia medica.

[1 × 20 = 20]

6. Describe the drug picture of Silicea.

[1 × 20 = 20]

7. Describe the drug picture of Nux Vomica.

[1 × 20 = 20]



**Second BHMS (2015) Examination, Winter**  
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**ORGANON OF MEDICINE**

Total Duration : 3 Hours

Total Marks : 100

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1. Write short answer (any ten out of fifteen): [10 × 2 = 20]
- a) Define Materia Peccans with example.
  - b) Define Health & Disease.
  - c) Define preserver of health according to Dr. Hahnemann.
  - d) Define Psychology.
  - e) State the Law of Simplex.
  - f) Define exciting & maintaining cause?
  - g) Define logic & mention the types of it.
  - h) Define subjective symptom with example.
  - i) Write the Aph.1 of 6th edition of Organon.
  - j) Write the Therapeutic law of nature.
  - k) Write two contributions of Dr. Mahendralal Sirkar.
  - l) Define susceptibility.
  - m) Write two contributions of Boenninghausen.
  - n) Define characteristic symptoms.
  - o) Define portrait of disease.

2. Write short answer (any four out of six) :

[4 × 5 = 20]

- a) Knowledge of true physician.
- b) Unprejudiced observer.
- c) Pathogenetic power of drug.
- d) Vital principle.
- e) Conversion & contributions of Dr. Kent.
- f) Ideals of Cure.

3. Write short answer (any four out of six):

[4 × 5 = 20]

- a) Totality of symptoms.
- b) Do's & Don'ts in case taking.
- c) Memory.
- d) Acute disease.
- e) Complete symptom.
- f) Differentiate cure & palliation.

4. Long answer question (any two out of four):

[2 × 10 = 20]

- a) Enumerate the Spread of Homoeopathy in India.
- b) Explain Analysis & Evaluation of symptoms.
- c) Write life History & contributions of Dr. Hering.
- d) Explain the susceptibility with its significance in Homoeopathy.

**Long answer question (any one from Q. No. 5, 6 and 7)**

5. Write in details about cardinal principles of Homoeopathy. [1 × 20 = 20]

6. Write life history of Dr. Samuel Hahnemann with reference to his education, discovery of Homoeopathy and other contributions. [1 × 20 = 20]

7. Explain different systems of medicine with their scope & limitations.

[1 × 20 = 20]