



Second B.H.M.S. (2015) Examination, Winter 2017
PATHOLOGY AND BACTERIOLOGY AND 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) Define Hyperaemia and write its types.
- B) Routes of infection.
- C) Define Hyperplasia with examples.
- D) Granuloma.
- E) Define Leucopenia and Leucocytosis.
- F) Physical carcinogens.
- G) Antigen.
- H) Megaloblastic anaemia.
 - I) Polycythemia.
- J) 4 distinguishing features of pathology Crohn's disease.
- K) Goitre.
- L) Glossitis.
- M) Causes of Acute Renal failure.
- N) Definition and types of Cardiomyopathy.
- O) Write names of COPD'S.

P.T.O.



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

(4×5=20)

- a) Thrombosis.
- b) Necrosis.
- c) Write five differentiating features between Transudate and Exudate Fluids.
- d) Hyaline Degeneration.
- e) Laboratory diagnosis of Myocardial Infarction.
- f) Leprömin test.

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

(4×5=20)

- a) Acute Pyelonephritis.
- b) Hepatitis.
- c) Aetiopathogenesis of Emphysema.
- d) Protein Energy Malnutrition.
- e) Importance of bleeding time and clotting time.
- f) Hemoglobinopathies.

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

(2×10=20)

- a) Define and explain Hypersensitivity reactions.
- b) Define Gangrene. Explain types of gangrene with examples.
- c) Complications of Diabetes Mellitus.
- d) Describe Pancreatitis. Write its types, aetiopathogenesis, pathological features and Lab diagnosis.

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

5. Long answer question :

(1×20=20)

Define Immunity. Describe Cell mediated and Humoral Immunity. Write a note on Secondary immunodeficiency disease.

6. Long answer question :

(1×20=20)

Define Lobar Pneumonia. Write aetiology, pathologic changes and complications of Lobar Pneumonia.

7. Long answer question :

(1×20=20)

Define and classify Shock. Write aetiopathogenesis and complications of shock. Write Morphologic features of Shock in Organs.



Second B.H.M.S. (2015) Examination, Winter 2017
PATHOLOGY AND BACTERIOLOGY AND PARASITOLOGY – II

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.
 - 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) Organs of locomotion in Bacteria.
- B) 4 Gram positive Bacteria.
- C) Morphology of Pneumococci.
- D) Give 4 toxins produced by Staphylococcus.
- E) Different culture media use for Vibrio Cholerae.
- F) Name 4 intestinal Parasite.
- G) Host of Trypanosoma Cruzi.
- H) Name the Larval form of T.Saginata and T. Solium.
- I) 4 Characteristics of Cestodes.
- J) NIH swab.
- K) Name 4 Parasites in which examination of faeces is important.
- L) Name 4 RNA Virus.
- M) Name 2 viruses that produces Respiratory diseases.
- N) Give structure of HIV Virus.
- O) Give 4 classes of Fungi.

P.T.O.



2. Write short answer (any four out of six) : (4×5=20)

- a) Pathology and Lab diagnosis of Mycobacterium Tuberculae.
- b) Cultural Characteristics of Meningococci.
- ☒ c) Enterobius vermicularis.
- d) Hydatid cyst.
- e) Dengue Virus.
- f) Streak Culture.

3. Write short answer (any four out of six) : (4×5=20)

- a) Widal Test
- b) Staining properties of Bacteria
- ☒ c) Characteristics of Protozoas
- d) Hospital Acquired infection
- e) Properties of Virus
- f) Candida albicans.

4. Long answer question (any two out of four) : (2×10=20)

- a) What is Sterilization ? Enumerate all the different types of sterilization with Physical and Chemical methods.
- b) Define Infection. Enumerate source and methods of transmission of infection.
- ☒ c) Morphology and life cycle of Ancylostoma Duodenale.
- d) Define virus and discuss etiopathogenesis of viral hepatitis along with lab investigation.

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

5. Long answer question : (1×20=20)

Describe Morphology cultural characteristics, Pathogenesis and lab diagnosis of Streptococcus pyogenes.

6. Long answer question : (1×20=20)

Describe morphology, life cycle, Pathogenesis and lab diagnosis of Entamoeba Histolytica.

7. Long answer question : (1×20=20)

Define culture media. Describe different types of cultural media and its use.



Second B.H.M.S. (2015) Examination, Winter 2017
FORENSIC MEDICINE AND TOXICOLOGY

Total Duration : 3 Hours

Total Marks : 100

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 - 3) **All questions are compulsory.**
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 - 5) Draw diagrams **wherever** necessary.
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1. Write short answer (any ten out of fifteen) :

(10×2=20)

- A) Suffocation:
- B) Hase's rule.
- ☒ C) Give two examples of medicolegal reports.
- D) What is professional secrecy ?
- ☒ E) Who is executive magistrate ?
- F) Dangerous weapon.
- ☒ G) Dead body challan.
- H) Mention any two medicolegal importances of ^{liver} liver mortis.
- I) Diatoms.
- J) Active principles of Dhatura.
- K) The active principles of Nux Vomica.
- L) Lead line.
- M) Fatal dose and fatal period of opium.
- N) Toxicology.
- O) Antidote.



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

(4×5=20)

- a) Mental Health Act.
- b) Exhumation.
- c) Saponification.
- d) What are the positive signs of Pregnancy ? Mention medicolegal importances of it in civil and criminal cases.
- e) Abrasion Injury.
- f) Hydrostatic test.

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

(4×5=20)

- a) Bombay Prohibition Act.
- b) Diagnosis of poisoning in living and dead person.
- c) Differential diagnosis and treatment of organophosphorus poisoning.
- d) Food poisoning.
- e) Cocaine poisoning.
- f) CO poisoning.

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

(2×10=20)

- a) Define death. Mention about signs of death with it's Medicolegal importances.
- b) What is drowning ? Mention types, mechanism of drowning. Write about post mortem findings in cases of fresh water drowning. Mention medicolegal importances of drowning.
- c) Classify injuries. Write in detail about laceration.
- d) How will you determine the race, age, sex of an individual ? Write it's medicolegal importances.

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

5. Long answer question.

(1×20=20)

Write about constituents of snake venom, difference between poisonous and non-poisonous snake, S/S, treatment, postmortem appearances and Medicolegal importances of snake bite.

6. Long answer question :

(1×20=20)

Describe Chronic Lead poisoning in detail.

7. Long answer question :

(1×20=20)

Describe the general principles of treatment of poisoning in detail. What are the duties of R.M.P. in cases of suspected poisoning ?



Second B.H.M.S. (2015) Examination, Winter 2017
HOMOEOPATHIC MATERIA MEDICA

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 doctrine of signature with any one example.
- B) Define Modalities.
- C) Name any two books of Anatomical Materia Medica.
- D) Enumerate four sources of Homoeopathic Materia Medica.
- E) Name any two books of Comparative Materia Medica.
- F) Write the trio of pain.
- G) Write Common name and family of Allium Cepa.
- H) Write the Trio of thirst.
 - I) Write sensation of Drosera in the larynx.
 - J) Write the modalities of Arsenic Album.
 - K) Write characteristic desire and aversion of Natrum Muraticum.
 - L) Write the constipation of Nux Vomica.
 - M) Write the constitution of Aethusa Baby.
 - N) Write characteristic symptoms of menstrual complaint of Euphrasia.
 - O) Write common name and family of Rhus Toxicodendron.

P.T.O.

04213



(4×5=20)

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

- Write the rectal complaints of Aloe Socotrina.
- Describe the injury of Arnica Montona.
- Write the joint pains and modalities of Bryonia Alba.
- Write the female complaints of Pulsatilla.
- Write the Respiratory complaints of Natrum Sulphuricum.
- Describe the skin complaints of Hepar Sulph.

(4×5=20)

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

- Write guiding indications of Gelsemium.
- Describe the Calcarea Carb baby.
- Write the basic concept and construction of Homoeopathic materia medica.
- Write the various methods of studying Homoeopathic Materia Medica.
- Write any four sources Homoeopathic Materia Medica.
- Write the differences between Homoeopathic and Biochemic system of medicine.

(2×10=20)

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

- Compare and contrast Allium Cepa and Euphrasia in Respiratory complaints.
- Compare and contrast gastric complaints of Colocynthis and Magnesium Phosphoricum.
- Compare and contrast Baptisia Tinctoria and Gelsemium in typhoid fever.
- Compare and contrast Child of Cina and Chamomilla.

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

5. Long answer question :

(1×20=20)

Write the biochemic indications of Calcarea Phosphoricum in detail.

6. Long answer question :

(1×20=20)

Define Homoeopathic Materia Medica and write scope and Limitations of Homoeopathic Materia Medica.

7. Long answer question :

(1×20=20)

Describe in detail drug picture of Lycopodium Clavatum.



Second B.H.M.S. (2015) Examination, Winter 2017
ORGANON OF MEDICINE

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Total Marks : 100

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

(10×2=20)

- A) Define Health
- B) Inductive logic
- C) Contribution of kent
- D) Vital force
- E) Disease
- F) Objective symptom
- G) Susceptibility
- H) Natures law of cure
- I) Contribution of Boenninghausen
- J) Complex disease
- K) Secondary action
- L) Two disadvantage of allopathy
- M) Cause occasionalis
- N) Remedy
- O) Exciting cause.

P.T.O.



04214

(1×5=20)

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

- a) Mission of physician
- b) Aph. 26
- c) Action of medicine
- d) Psora
- e) Law of minimum
- f) Conversion of kent.

(4×5=20)

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

- a) Three necessary point for cure
- b) Acute disease
- c) Emotions
- d) Aph. 83
- e) Key note symptoms
- f) Concept of cure.

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

(2×10=20)

- a) What is memory ? Describe its types in detail.
- b) Write down spread of Homeopathy in India.
- c) What is susceptibility ? Write in detail.
- d) Write life history of Constantine Hering.

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

5. Long answer question :

(1×20=20)

Write biography of Hahnemann including education, medical practice and discovery of Homeopathy.

6. Long answer question :

(1×20=20)

What happen when two dissimilar disease meet together in body ?

7. Long answer question :

(1×20=20)

What is case taking and describe analysis and evaluation in details ?

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