

Second BHMS (2015) Examination, Summer (Phase - III All Other Remaining UG/PG Courses) - 2020

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 characteristic features of wet gangrene.
- b) Give 4 differences between transudate & exudate.
- c) Give 2 causes of pathologic hyperplasia.
- d) Define granuloma.
- e) Define shock & enumerate 3 aetiological types of shock.
- f) Give 2 examples of agglutination type of antigen-antibody reactions.
- g) Define metastasis & name any 2 routes of metastasis of tumours.
- h) Give 4 causes of leukocytosis.
- i) Enumerate 4 causes for proteinuria.
- j) Enumerate 4 aetiological factors for chronic peptic ulcers.

- k) Give 2 aetiological factors for cirrhosis.
- l) Give 2 aetiological factors for simple goitre.
- m) Enumerate 4 risk factors for ischaemic heart disease.
- n) Define gout.
- o) Fungal infections of Lung.

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

[4 × 5 = 20]

- a) Fate of thrombus.
- b) Liquefactive necrosis.
- c) Kwashiorkor.
- d) Pathogenesis of chemical carcinogenesis.
- e) Immunological test for pregnancy on urine.
- f) CSF findings in pyogenic meningitis.

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

[4 × 5 = 20]

- a) Laboratory diagnosis of diabetes mellitus.
- b) Causes of hydronephrosis.
- c) Aetiopathogenesis of bronchial asthma.
- d) Risk factors for CA breast.
- e) PAP smear.
- f) Aetiology of B 12 deficiency anaemia.

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

[2 × 10 = 20]

- a) Define oedema. Explain the mechanisms behind pathogenesis of oedema.
- b) Enumerate the functions of humoral & cell mediated immunity in our body.
- c) Describe aetiopathogenesis and gross & microscopic appearances of stomach in chronic gastritis.
- d) Define jaundice & give its classification. Differentiate the 3 types of jaundice on the basis of laboratory tests.

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

5. Define Shock, give its classification, etiology, pathogenesis stages of shock & add a note on Hypoxic encephalopathy. [1 × 20 = 20]
6. Define & classify immunity. Describe hypersensitivity reactions in detail. [1 × 20 = 20]
7. Define inflammation. Describe the cellular & vascular changes in acute inflammation. Explain the aetiology & morphology of lobar pneumonia. [1 × 20 = 20]



**Second BHMS (2015) Examination, Summer (Phase - III All Other
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PATHOLOGY & BACTERIOLOGY & PARASITOLOGY - II

Total Duration : 3 Hours



Total Marks : 100

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1. Write short answer (**any ten** out of fifteen) : [10 × 2 = 20]
- a) Write four gram positive bacteria.
 - b) Write two media for culture of Vibrio cholera.
 - c) Give two examples of diplococci.
 - d) Name four toxins of staphylococcus.
 - e) Write types of diphtheria bacilli.
 - f) Definitive and intermediate host of Taenia Saginata.
 - g) Four characteristics of Haydatid cyst.
 - h) Two parasites transmitted by oral route.
 - i) Two clinical features of Enterobius vermicularis.
 - j) Mantoux test

- k) Advantage of using iodine stained preparations of stool during stool examination.
- l) Name any four DNA viruses.
- m) Name methods for cultivation of viruses.
- n) Write causative agent of chicken pox, its route of transmission.
- o) Write two culture media for fungi.

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

[4 × 5 = 20]

- a) Pathogenicity of *Mycobacterium tuberculosis*.
- b) Lab diagnosis of *Corynebacterium diphtheriae*.
- c) Amoebic liver abscess.
- d) Pathogenicity of *Ancylostoma duodenale*.
- e) Pathogenicity of Polio virus
- f) Classification of bacteria.

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

[4 × 5 = 20]

- a) VDRL test.
- b) Bacterial spore.
- c) Staining methods for parasitological studies.
- d) Difference between exotoxin and endotoxin.
- e) Herpes simplex virus.
- f) Pathogenesis of rabies virus.

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

[2 × 10 = 20]

- a) Discuss in detail physical agents of sterilization.
- b) Anaerobic culture media and Anaerobic culture methods.
- c) Life cycle and pathogenesis of *Leishmania donovani*.
- d) HIV virus.

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

5. Describe streptococcus pyogenes under following. : [1 × 20 = 20]
- a) Morphology.
 - b) Cultural characteristics.
 - c) Pathogenicity.
 - d) Lab diagnosis.
6. Write morphology, life cycle, pathogenesis and lab diagnosis of Plasmodium falciparum. [1 × 20 = 20]
7. Explain hepatitis-B virus under following : [1 × 20 = 20]
- a) Morphology.
 - b) Transmission.
 - c) Pathogenesis.
 - d) Lab diagnosis.



**SECOND BHMS (2015) Examination, Summer (Phase - III All
Other Remaining UG/PG Courses) - 2020
FORENSIC MEDICINE AND TOXICOLOGY**

Total Duration : 3 Hours



Total Marks : 100

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1. Write short answer (**any ten** out of fifteen) : [10 × 2 = 20]
- a) Name any two documentary evidences.
 - b) Define tattoo marks.
 - c) Define abrasion.
 - d) Explain Cadaveric Spasm.
 - e) What do you mean by goodell's sign?
 - f) Explain rule of nine.
 - g) What do you mean by incest?
 - h) Define Legitimacy.
 - i) Explain dying declaration.
 - j) Describe sec 320 IPC.

- k) Define lead line.
- l) Write about phossy jaw.
- m) What is fatal dose, fatal time of strychnine.
- n) Active principle of cannabis indica.
- o) Define Posion ~~Act~~.

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

[4 × 5 = 20]

- a) Battered baby syndrome.
- b) Exhumation.
- c) Artificial insemination.
- d) Consumer protection act.
- e) Signs and symptoms of starvation.
- f) MTP act 1971.

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

[4 × 5 = 20]

- a) Universal antidote.
- b) Kerosene poisoning.
- c) Drug and cosmetic act.
- d) Food poisoning.
- e) Sui poisoning.
- f) Treatment of snake poisoning.

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

[2 × 10 = 20]

- a) Write about rigor mortis in detail.
- b) Write about drowning in detail.
- c) Classify unnatural sexual offences and explain sodomy in detail.
- d) Infanticide.

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

5. Write about dhatura poisoning in detail. [1 × 20 = 20]
6. Discuss alcohol poisoning. [1 × 20 = 20]
7. Define poison, classify poisons and write about gastric lavage in detail. [1 × 20 = 20]



**Second BHMS (2015) Examination, Summer (Phase - III
All Other Remaining UG/PG Courses) - 2020
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 Homoeopathic materia medica.
 - b) Define Drug proving.
 - c) Write two keynote symptoms of Symphytum.
 - d) Write the common name and family of Thuja Occidentalis.
 - e) Write two characteristic symptoms of Spongia Tosta.
 - f) Define Sign.
 - g) Write two guiding indications of Natrum phos.
 - h) Write two indications of Hypericum.
 - i) Write the common name and family of Ledum Palustre.
 - j) Write the tongue and thirst of Ipecacuanha.

- k) Write the common name and family of *Arum triphyllum*.
- l) Write two examples of picture type of Homoeopathic materia medica.
- m) Write two clinical indications of *Colchicum*.
- n) Write the common name and family of *Ruta Graveolens*.
- o) Write two characteristic symptoms of *Apis Mellifica*.

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

[4 × 5 = 20]

- a) Write the Gastric complaints of *Arsenicum Album*.
- b) Describe the *Arnica* Injury.
- c) Write the mind complaints of *Argentum Nitricum*.
- d) Describe the Respiratory symptoms of *Antim tart*.
- e) Write the skin complaints of *Antimonium crudum*.
- f) Write the fever of *Baptisia Tinctoria*.

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

[4 × 5 = 20]

- a) Write the Guiding indications of *Calcarea Carb*.
- b) Write the keynote indications of *Aconitum Napellus*.
- c) Describe the various sources of Homoeopathic materia medica.
- d) Write the Scope and limitations of Homoeopathic materia medica
- e) Write the Classification of Homoeopathic materia medica.
- f) Write the Basic construction of various Homoeopathic Materia Medicas.

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

[2 × 10 = 20]

- a) Compare *Cina* and *Chamomilla* Child.
- b) Compare Respiratory symptoms of *Ipecac* and *Natrum sulph*.
- c) Compare fever of *Gelsemium* and *Aconitum Napellus*.
- d) Define Biochemic system of medicine and enumerate the 12 tissue remedies.

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

5. Describe the drug picture of Pulsatilla in detail. [1 × 20 = 20]
6. Describe in detail the Biochemic indications of Natrum mur. [1 × 20 = 20]
7. Describe various methods of studying Homoeopathic materia medica with examples. [1 × 20 = 20]



Second BHMS (2015) Examination, Summer (Phase - III All Other Remaining UG/PG Courses) - 2020

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 Common symptom with two examples.
 - b) Define logic.
 - c) What is meaning of Organon?
 - d) Define memory with its types.
 - e) Define susceptibility.
 - f) Define mission of Physician.
 - g) Define Isopathy with example.
 - h) Define drug Potentiation.
 - i) Any two contributions of Dr. Hering.
 - j) State aphorism number two.

- k) Define exciting cause with example.
- l) Define Evaluation of symptoms.
- m) What is law of minimum.
- n) Any two qualities of ideal prover.
- o) Define secondary action.

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

[4 × 5 = 20]

- a) Explain Theoretic Medicine.
- b) Explain Dynamic influence.
- c) Explain Vital force in Health.
- d) Explain Antipathy with its limitations.
- e) Explain Theory of other chronic diseases.
- f) Explain Conversion of Dr. Mahendralal Sirkar towards Homoeopathy.

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

[4 × 5 = 20]

- a) Explain Pseudo-chronic diseases.
- b) Explain Genus Epidemicus.
- c) Explain Theories of Motivation.
- d) Explain Do's of case taking.
- e) Explain General symptoms with types and examples according to Dr. Kent.
- f) Define homoeopathic concept of disease and cure.

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

[2 × 10 = 20]

- a) Discuss the salient features of Pre-historic medicine.
- b) Discuss in brief the spread and development of homoeopathy in India.
- c) What is analysis of symptoms? Discuss Boenninghausen's method of analysis of Symptoms.
- d) Discuss brief life history and contribution of Dr. J.T. Kent.

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

5. Discuss brief life history of Hahnemann with discovery of Homoeopathy and contributions of Dr. Hahnemann in the field of medicine. [1 × 20 = 20]
6. Explain knowledge of a physician as explained in 6th edition of Organon of Medicine. [1 × 20 = 20]
7. Discuss in detail the classification of the diseases as placed in Organon of Medicine. [1 × 20 = 20]

