

**Second B.H.M.S. (2015) Examination, Winter - 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.
  - 7) Use a common answerbook for **all** sections.



1. Write short answer (**any ten** out of fifteen): [10 × 2 = 20]
- a) Define Metaplasia 2
  - b) Name 4 Morphological changes in Reversible cell injury 2
  - c) Transudate
  - d) Name 4 endogenous pigments of the body 1
  - e) Amylodosis 20
  - f) HLA System
  - g) Grading of Tumours
  - h) Haemophilia 2
  - i) Uses of EDTA
  - j) Define Hyperthyroidism and Hypothyroidism 2
  - k) Causes of Pancreatitis 2
  - l) Glossitis 2
  - m) Mastitis 2
  - n) Meningitis 2
  - o) Define Emphysema



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

[4 × 5 = 20]

- a) Coagulative Necrosis
- b) Chemical mediators of Inflammation
- c) Fatty liver
- d) Difference between Benign and malignant tumour
- e) Microscopic examination of Urine
- f) Muntoux test

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

[4 × 5 = 20]

- a) Complications of Myocardial Infraction
- b) Pneumoconiosis
- c) Gastritis
- d) Nephrotic Syndrome
- e) Hb estimation
- f) Iron deficiency Anemia

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

[2 × 10 = 20]

- a) Define Healing and repair and describe healing by primary and secondary intention.
- b) Define Embolism. Describe types with examples.
- c) Define cirrhosis of liver and write etiology, pathogenesis and lab diagnosis of the same.
- d) Define Pneumonia. Describe the stages of Pneumonia.

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

5. Describe Oedema with reference to definition, pathogenesis of the oedema with suitable examples. Add a note on Pulmonary Oedema. [1 × 20 = 20]

6. Define Inflammation. Explain etiology, pathogenesis, clinical features and complication of Peptic ulcer. [1 × 20 = 20]

7. Define immunity. Mention differences between Active and Passive immunity. Describe various Hypersensitivity reactions in brief.

[1 × 20 = 20]





**Second B.H.M.S. (2015) Examination, Winter - 2020**  
**PATHOLOGY & BACTERIOLOGY & 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.
  - 7) **Use** a common answerbook for **all** sections.

Write short answer (**any ten** out of fifteen):

[10 × 2 = 20]

- a) Draw a labelled diagram of a typical bacterial cell.
- b) Write two gram negative Bacterias.
- c) Significance of Bacterial spore and draw its diagram.
- d) Mantoux test with respect to amount of purified protein derivative required and its clinical significance.
- e) Iatrogenic infection with respect to etiology and examples any two.
- f) Draw the Morphology of leishmania donovani with the help of label diagram.
- g) Hydatid cyst
- h) Elephantiasis.
- i) Stool findings in Amoebic dysentery.
- j) Mentions various cysts/ovae found in stool examination.
- k) Mention etiology of malaria.
- l) Define virus.
- m) Pathogenesis of adenovirus.
- n) Dengue
- o) Oculomycosis



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

- a) Pathogenicity of salmonella typhi.
- b) Pathogenicity of streptococcus.
- c) Life cycle of E. Vermicularis.
- d) Kalaazar
- e) Herpes simplex
- f) Hypersensitivity reactions with respect to types and its examples.

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

[4 × 5 = 20]

- a) Pathogenicity of Ascaris lumbricoides.
- b) Autoclave.
- c) Relation between Host & parasites any two examples
- d) Methods of Transmission of infection
- e) Classification of viruses
- f) Candidiosis

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

[2 × 10 = 20]

- a) Define culture media? Discuss about its types with examples and their uses.
- b) Define sterilisation? Describe in detail chemical sterilization and disinfection.
- c) Describe life cycle, lab diagnosis of Echinococcus granulosus? Add a note on hydatid cyst.
- d) Describe morphology, life cycle pathogenesis, laboratory diagnosis of Taenia solium.

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

5. Describe morphology, cultural characteristics, pathogenesis of clostridium tetani & add notes on Tetanus. [1 × 20 = 20]

6. Describe morphology, life cycle, pathogenicity, laboratory Diagnosis of ancylostoma duodenale. [1 × 20 = 20]

7. Describe morphology, with antigenic structure, pathogenesis and laboratory diagnosis of Hepatitis B virus. [1 × 20 = 20]





## Second B.H.M.S. (2015) Examination, Winter - 2020

### FORENSIC MEDICINE AND TOXICOLOGY

Total Duration : 3 Hours

Total Marks : 100

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  - 7) Use a common answerbook for **all** sections.



1. Write short answer (any ten out of fifteen): [10 × 2 = 20]

10

- a) What are Diatoms?
- b) Kidnapping-2 sections
- c) Define bruise.
- d) 2 objectives of magistrates inquest.
- e) What is Dichotomy?
- f) What is bansdola?
- g) What is Poroscopy?
- h) Define artificial insemination.
- i) Active principles of Nux vomica.
- j) Erythema
- k) Fatal dose and fatal period of Iodine.
- l) Fatal dose and period of paracetamol.
- m) 2 Examples of pharmacological antidotes
- n) Hashish insanity.
- o) Fatal dose and period of croton Tiglium.



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

- ✓ a) Workmen compensation Act.
- b) Professional negligence.
- ✓ c) Signs and symptoms of starvation.
- d) Incised injury.
- ✓ e) Schizophrenia
- ✓ f) Criminal abortion

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

[4 × 5 = 20]

- a) Narcotic drugs and psychotropic substances act.
- ✓ b) Drugs and cosmetic act.
- ✓ c) Kerosene poisoning.
- ✓ d) Phossy jaw.
- e) Drug dependence.
- ✓ f) Signs and symptoms of snake bite.

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

[2 × 10 = 20]

- ✓ a) Discuss rape in detail.
- b) Define sudden death. What is its medico legal significance? Mention it's various causes.
- c) Classify mechanical injuries and discuss laceration.
- d) Discuss estimation of age in detail.

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

5. Discuss poisoning by organophosphorus compounds. [1 × 20 = 20]

6. Discuss Hydrocyanic acid poisoning in detail. [1 × 20 = 20]

7. Discuss the general principles of treatment of a case of poisoning. Add a note on toxicological evidence. 5 [1 × 20 = 20]





Second B.H.M.S. (2015) Examination, Winter - 2020  
HOMOEOPATHIC MATERIA MEDICA

Total Duration : 3 Hours

Total Marks : 100

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  - 5) Draw diagrams **wherever** necessary.
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  - 7) Use a common answerbook for **all** sections.



1. Write short answer (**any ten** out of fifteen): [10 × 2 = 20]
- a) Mention the Common name and family of Thuja.
  - b) Write two characteristic symptoms of Sulphur.
  - c) Write two mental symptoms of Silicea.
  - d) Mention the tongue and ailments from of Rhus tox.
  - e) Write two characteristic symptoms of Nux vomica.
  - f) Mention the tongue and discharge of Natrum phos.
  - g) Write two characteristic symptoms of Mag phos Colic.
  - h) Mention the Modalities and Ailments from of Ledum pal.
  - i) Write two characteristic symptoms of Kali phos.
  - j) Write two gastrointestinal symptoms of Ipecac.
  - k) Write two respiratory symptoms of Hepar sulph.
  - l) Mention tongue and discharge of Ferrum phos.
  - m) Write two characteristic symptoms of Symphytum.
  - n) Write two characteristic symptoms of Kali mur.
  - o) Mention two characteristic symptoms of Ruta.



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

[4 × 5 = 20]

- a) Pulsatilla - Female affections
- b) Aethusa - Mind
- c) Allium cepa-Respiratory symptoms
- d) Antim crud-Mind
- e) Apis-Female
- f) Arnica-Injury

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

[4 × 5 = 20]

- a) Antim tart - Respiratory symptoms
- b) Arum triphyllum - Characteristic symptoms
- c) Sources of Materia medica
- d) Sources of Drugs
- e) Scope and limitations of Homoeopathic Materia Medica.
- f) Types of Homoeopathic Materia Medica

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

[2 × 10 = 20]

- a) Compare Cina child and Chamomilla child.
- b) Compare joint affections of Colchicum and Dulcamara. <sup>24</sup>
- c) Compare Respiratory symptoms of Spongia and Drosera. <sup>20</sup>
- d) Compare Characteristic symptoms of Bryonia and Arsenic alb.

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

5. Describe the Drug Picture of Aconite in detail. <sup>10</sup>

[1 × 20 = 20]

6. Describe the Drug Picture of Natrum Mur in detail.

[1 × 20 = 20]

7. Describe the Drug picture of Gelsemium in detail.

[1 × 20 = 20]

Q.6 Defined biochemic medicine  
Write biochemic indication of nat. mur.





## Second B.H.M.S. (2015) Examination, Winter - 2020

### ORGANON OF MEDICINE

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Total Marks : 100

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  - 7) Use a common answerbook for all sections.



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

[10 × 2 = 20]

- a) Define Disease.
- b) Define behaviour?
- c) Give two examples of Causa occasionalis?
- d) What is Suspended animation?
- e) Give two examples of physical general symptom?
- f) What is simple substance?
- g) What is dynamic influence?
- h) Name the different types of drug actions.
- i) Write four contributions of Dr. Mahendralal Sircar?
- j) Write four contributions of Dr. Boenninghausen?
- k) What is a complete symptom?
- l) What is Logic of Homoeopathy?
- m) State Law of Similars.
- n) What is Pathogenetic symptom?
- o) Types of memory.



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

[4 × 5 = 20]

- a) Homoeopathic Law of Nature.
- b) Unprejudiced observer
- c) Suspended animation.
- d) Brousseau's Method of treatment.
- e) Doctrine of Drug Dynamization
- f) Contributions of Dr. Hering

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

[4 × 5 = 20]

- a) Miasm
- b) Inappropriately named chronic diseases
- c) Intelligence
- d) Characteristic symptom
- e) Genus Epidemicus
- f) Exciting cause

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

[2 × 10 = 20]

- a) Describe simple substance with its qualities.
- b) Discuss the spread of Homoeopathy in India
- c) What is analysis and evaluation of symptoms? Describe different methods of it?
- d) Describe life history and conversion to Homoeopathy of Dr. J.T.Kent?

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

5. Describe life history of Dr. Hahnemann with their contributions as a Chemist and Hygienist?

[1 × 20 = 20]

6. Describe case taking in detail with its instructions and method. [1 × 20 = 20]

7. Describe different modes of treatment with its advantages and disadvantages.

[1 × 20 = 20]

