



Second B.H.M.S. (2015) Examination, Summer 2017
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) What is apoptosis ? –
- B) Coagulative necrosis. –
- C) Define Inflammation. Write its types. *AI*
- D) Hyperaemia. –
- E) Enumerate etiological factors for Ischaemia. –
- F) Teratoma. –
- G) Herd Immunity. –
- H) Causes of Iron deficiency anaemia.
- I) Rh Incompatibility. –
- J) Glycosuria. – *presence of urine above*
- K) Mention any two etiological factors for Cirrhosis of Liver. *← Bilary*
- L) Enumerate the ulcers in GIT and write aetiology of Peptic ulcer. *← NSAIDs, H. pylori*
- M) Pathological changes in Mitral stenosis. *←*
- N) Osteoclastoma. *over growth of*
- O) Name any two causes of chronic bronchitis. *← pollution*

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

(4×5=20)

- ☒ a) Difference between Dry gangrene and Wet gangrene.
- ☒ b) Pathogenesis and consequences of Fat embolism.
- ☒ c) Chemical mediators of Acute Inflammation.
- ☒ d) Etiology and pathogenesis of Fatty liver.
- ☐ e) Complications of Blood transfusion.
- ☐ f) Significance of CSF examination.

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

(4×5=20)

- ☒ a) Carcinoma of Cervix.
- ☒ b) Fibroadenoma of breast.
- ☒ c) Ghon's complex.
- ☒ d) Nephrotic syndrome.
- ☐ e) Investigations for UTI.
- ☒ f) Megaloblastic Anaemia.

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

(2×10=20)

- ☐ a) What is Amyloidosis and describe aetiopathogenesis of different type of amyloidosis ?
- ☒ b) Define Neoplasm. Write its causes. Explain in detail spread of malignant tumour.
- ☐ c) Discuss aetiology, pathological changes and lab diagnosis of acute myocardial infarction.
- ☐ d) Define Pneumonia. Discuss etiology and pathology of Lobar pneumonia.

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

5. Long answer question :

(1×20=20)

Define oedema and enumerate its types and write pathogenesis of Cardiac oedema and renal oedema.

6. Long answer question :

(1×20=20)

Define Shock. Its main type, stages of shock and pathological changes with respect to lung, liver.

7. Long answer question :

(1×20=20)

Define immunity. Mention difference between active and passive immunity. Describe various hypersensitivity reaction in brief.

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Second B.H.M.S. (2015) Examination, Summer 2017
PATHOLOGY AND BACTERIOLOGY AND 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) Give 4 examples of Gram negative bacilli.
 - B) Give 4 toxins of staphylococci.
 - C) Name 2 media for Vibrio cholerae.
 - D) Describe colonies of human type of Mycobacterium tuberculosis on Lowenstein Jenson medium.
 - ☒ E) What is pseudomembrane of Corynebacterium diphtheriae made up of ?
 - ☒ F) Name 4 parasites producing anaemia.
 - G) Mention 2 parasitic infections in which Man acts as an intermediate host.
 - H) Enumerate 4 parasites transmitted through contaminated food.
 - ☒ I) Name methods of reproduction of Plasmodium.
 - J) Enumerate serological tests of diagnosis of Syphilis.
 - K) Enumerate 4 parasites which can be detected in stool examination.
 - L) Name 4 DNA viruses.
 - M) Name 2 diseases caused by Varicella zoster virus.
 - N) Write 2 differences between viruses and bacteria.
 - O) Enumerate 3 dermatophytes.



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

(4×5=20)

- a) Antistreptolysin O Titre
- b) Virulence factors of *Clostridium tetani*
- c) *Trichomonas vaginalis*
- d) Hydatid cyst
- e) Human influenza virus
- f) Bacterial spore.

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

(4×5=20)

- a) Peripheral blood smear examination in *Plasmodium* highlighting thick and thin smears.
- b) Bacterial growth curve.
- c) Enumerate and describe different types of hosts in parasitic infections with examples.
- d) Different routes of infection.
- e) Basic structure of viruses.
- f) Laboratory diagnosis of Hepatitis B Virus.

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

(2×10=20)

- a) What are the methods of sterilisation by moist heat ? Discuss sterilisation by moist heat under pressure in detail.
- b) Define and classify medias mention advantages and disadvantages of each over other and examples of each types with its use.
- c) Write a note on morphology of various developmental forms of *Ancylostoma duodenale* and discuss its pathogenecity in detail.
- d) Describe morphology and life cycle of *Entamoeba histolytica*.

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

5. Long answer question :

(1×20=20)

Write in detail about the a case of pulmonary tuberculosis with respect to morphology, pathogenesis and laboratory diagnosis.

6. Long answer question :

(1×20=20)

Discuss morphology, life cycle, pathogenicity and laboratory diagnosis of *Ascaris lumbricoides*.

7. Long answer question :

(1×20=20)

Discuss in detail morphology, pathogenesis and laboratory diagnosis of HIV.



Second B.H.M.S. (2015) Examination, Summer 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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1) Write short answer (an; ten out of fifteen) :

(10×2=20)

- ☒ A) Contributory negligence.
- ☐ B) What are the powers of first class magistrate ?
- ☒ C) What is Dactylography ?
- ☐ D) Mention any 2 medicolegal importances of Algor Mortis.
- ☐ E) What is Defence Wound ?
- ☒ F) Mention any 2 medicolegal importances of Hallucination.
- ☐ G) Mention objectives of postmortem examination.
- ☐ H) What is artificial insemination ?
- ☐ I) Cocaine bug.
- ☒ J) What is antidote for copper sulphate poisoning ?
- ☒ K) Active principles of Dhatura.
- ☐ L) Define Antidote.
- ☐ M) Fatal dose and Fatal period of Sulphuric acid poisoning.
- ☐ N) Fatal dose and Fatal period of Abrus Precatorius.
- ☐ O) Define Poison.



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

(4×5=20)

- Summons.
- M.T.P. Act 1971.
- Mummification.
- Virginity.
- Medicolegal importances of burn injury.
- SIDS with its Medicolegal importances.

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

(4×5=20)

- Drug & Cosmetic Act 1940.
- Food Poisoning.
- Drug Addiction.
- Chronic phosphorus poisoning.
- Capsicum poisoning.
- Treatment of snake bite.

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

(2×10=20)

- What is death ? Mention types of death, modes of death. Add a note on rigor mortis with respect to definition, mechanism, factors affecting to rigor mortis, condition simulating to rigor mortis and Medicolegal importances of rigor mortis.
- What is Hanging ? Mention types, causes of death in Hanging. Write postmortem findings in antemortem hanging with its Medicolegal importances.
- What is Infanticide ? Mention the MLI of Infanticide. Write the signs of live birth baby. Mention act of omission and act of commission in Infanticide.
- What is personal identity ? Mention its Medicolegal importances. How will you determine race, age and sex of person ? Write its Medicolegal importances.

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

5. Long answer question.

Write in detail about organophosphorus poisoning with reference to its pharmacological action, signs and symptoms, fatal dose, fatal period treatment, Postmortem findings and Medicolegal importances.

(1×20=20)

6. Long answer question.

Write in detail about Alcohol Poisoning with references to signs and symptoms of acute and chronic alcohol poisoning, causes of death and its treatment. Add a note on drunkenness.

(1×20=20)

7. Long answer question.

Explain General line of treatment of poisoning with reference to removal of unabsorbed poison, use of antidote, elimination of poison, symptomatic treatment and general care of patient.

(1×20=20)

physical.
mental.



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

Total Duration : 3 Hours

Total Marks : 100

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

(10x2=20)

- A) Write two characteristic symptoms of Aethusa Cynapium Minderberi. - *delirium with incoherence of mind confused.*
- B) Write the haemorrhoids of Aloe Socotrina. -
- C) Write two features of Allium Cepa Neuralgia. - *Neuralgic pain like long thread computation Nerve.*
- ☒ D) Write two characteristic features of Calcarea fluor. - *① Tumor in the female Breast ② osseous*
- E) Write constipation of Bryonia Alba. - *Dryness of mucus membrane of colon*
- F) Mention the thirst and Ailments from of Arsenic album. - *Small quantity of water at shaft of nerve - chills, ice, ice-cream*
- ☒ G) Write two characteristic features of Arum triphyllum. - *① Constant picking at the until it bleed ② Picks lips until the bleed.*
- ☒ H) Write two characteristic features of Ipecac. - *① Acute compn of nausea & vomiting ② Thirstlessness*
- I) Write two features of Apis Urinary complaints. -
- ☒ J) Write two gastrointestinal complaints of Natrum Phos.
- ☒ K) Write two female symptoms of Nux Vomica. -
- ☒ L) Write two respiratory complaints of Natrum-Sulph. -
- ☒ M) Write two guiding indications of Symphytum. - *For*
- N) Write two characteristic features of Colchicum autumnale.
- O) Mention two characteristic features of Drosera.

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

(4×5=

- Write Physical general symptoms of Gelsemium.
- Describe Spongia Respiratory Symptoms.
- Describe Guiding indications of Calcarea sulph.
- Write Fever of Baptisia Tinctura.
- Describe Antim crud Skin.
- Describe Argentum nit Mind.

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

(4×5=

- Describe mind of Aconite.
- Describe bellis per Injury.
- Describe the basic concept and construction of Materia Medica with suitable examples.
- Describe the sources of Homoeopathic Materia Medica.
- Describe the sources of Drugs.
- Describe the types of Homoeopathic Materia Medica.

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

(2×10=

- Compare Cina and Chamomilla Child.
- Compare Guiding indications of Colocynth and Mag Phos.
- Describe the Science and Philosophy of Homoeopathic Materia Medica in detail.
- Compare guiding indications of Hepar sulph and Silicea.

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

5. Long answer question :

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Deuti

(1×20=

Define Biochemic system of Medicine and give a note of its history, concepts and principle.
Explain the major difference of it with Homoeopathic system of Medicine.

6. Long answer question :

(1×20=2

Describe in detail the drug picture of Thuja.

7. Long answer question :

(1×20=2

Describe in detail the drug picture of Pulsatilla.

Discharge
Flower
M. Rowanulacea



Second B.H.M.S. (2015) Examination, Summer 2 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 causa occasionalis. — *Exciting and maintaining cause.*
- B) Write two contributions of Dr. Mahendralal Sirkar. — *Learned about Homo. & Jovanese & Hindu medical Period.*
- C) Define doctrine of drug proving. — *This is the scientific investigation of the drug which is on the human being as both the sexes and different.*
- D) State Nature's law of cure.
- E) Define accessory symptom of disease with example.
- F) Define case taking. It is *social interaction between physician & p.t. under predetermined condition*
- + G) Write four primary manifestations of Psora. *fatigue, mental quick*
- + H) Mention four indications of palliation according to Dr. Hahnemann. *quick*
- I) Define primary action of medicine with one example.
- J) Define totality of symptoms.
- + K) Define Health according to Dr. Hahnemann.
- + L) Define sick according to Dr. Kent. —
- M) Write four contributions of Dr. Hering. —
- N) Define emotion. ✓
- O) Define unprejudiced observer.

The accessory symptoms are all those symptoms which is patient suffering from for long.

in other

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

(4x5=20)

- a) Actions of medicine.
- b) Ideals of cure.
- c) Secondary action of medicine.
- d) Individualisation.
- e) Knowledge of true physician.
- f) Contributions of Dr. Boenninghausen.

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

(4x5=20)

- a) Acute disease.
- b) Non miasmatic diseases.
- c) Memory.
- d) Sources of totality.
- e) Characteristic symptom.
- f) Differentiate cure and palliation.

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

(2x10=20)

- a) Explain logic according to Dr. S. Close.
- b) Write origin, evolution and spread of homoeopathy in India.
- c) Define susceptibility. Write factors affecting it. What is the role of susceptibility in homoeopathic prescription ?
- d) Write conversion of Dr. Kent to Homoeopathy with his contributions.

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

5. Long answer question :

(1x20=20)

Explain different systems of medicine with their advantages and disadvantages.

6. Long answer question :

(1x20=20)

Write in detail cardinal principles of Homoeopathy.

7. Long answer question :

(1x20=20)

Enumerate the life history of Dr. Hahnemann. Write his contributions.

Insomnia