



04602

**Second B.H.M.S. (New) Examination, Summer 2017**  
**FORENSIC MEDICINE AND TOXICOLOGY**

Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
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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) Define circumstantial evidence.
  - b) Define Hostile witness.
  - c) What is Vicarious responsibility ?
  - d) Objectives of Magistrates Inquest.
  - e) Medical etiquettes.
  - f) Define scratch.
  - g) Pugilistic attitude
  - h) What is Post-epileptic automatism ?
  - i) What are Diatoms ?
  - j) Buck shot.
  - k) Active principles of ergot.
  - l) Opisthotonus
  - m) Define chelating agent.
  - n) Action of Nicotine.
  - o) Fatal dose and fatal period of Napthalene.

P.T.O.



2. Write short answer (**any four** out of six) : (4×5=20)
- Professional misconduct.
  - Battered baby.
  - Rigor mortis and its significance.
  - Ligitimacy.
  - Mental Health Act.
  - Discuss death from heat.

3. Write short answer (**any four** out of six) : (4×5=20)
- Toxicological evidence.
  - Discuss poisoning by tranquillisers.
  - Signs and symptoms of Iodine poisoning.
  - Discuss powdered glass poisoning.
  - Discuss Infection type of food poisoning.
  - Signs and symptoms of HCN poisoning.

4. Long answer question (**any two** out of four) : (2×10=20)
- Discuss bruise with respect to it's types, characteristics, age and medicolegal aspect.
  - How to estimate time since death from the signs of death ?
  - Discuss drowning with it's signs and symptoms, types, post-mortem appearances and medicolegal aspect .
  - Discuss natural sexual offences in detail.

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

5. Long answer question : (1×20=20)  
Discuss snake poisoning in detail.
6. Long answer question : (1×20=20)  
Discuss Methyl Alcohol poisoning in detail.
7. Long answer question : (1×20=20)  
Give factors affecting poison. Add a note on treatment in a suspected case of poisoning.

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1. Write short answer (any ten out of fifteen) : (10x2=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.



short answer (any four out of six) :

(4×5=20)

immuns.

T.P. Act 1971.

immification.

d) virginity.

e) Medicolegal importances of burn injury.

f) SIDS with its Medicolegal importances.

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

(4×5=20)

a) Drug & Cosmetic Act 1940.

b) Food Poisoning.

c) Drug Addiction.

d) Chronic phosphorus poisoning.

e) Capsicum poisoning.

f) Treatment of snake bite.

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

(2×10=20)

a) What is death ? Mention types of death, modes of death. Add a note on rigor mortis with respect to defination, mechanism, factors affecting to rigor mortis, condition simulating to rigor mortis and Medicolegal importances of rigor mortis.

b) What is Hanging ? Mention types, causes of death in Hanging. Write postmortem findings in antemortem hanging with its Medicolegal importances.

c) What is Infanticide ? Mention the MLI of Infanticide. Write the signs of live birth baby. Mention act of ommission and act of commission in Infanticide.

d) What is personal identity ? Mention its Medicolegal importances. How will you determine race, age and sex of person ? Write it's 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, Postmotem 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)

Second B.H.M.S. (2015) Examination, Winter 2018  
FORENSIC MEDICINE AND TOXICOLOGY

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

(10×2=20)

- A) Define inquest. ✓
- B) Exhumation. ✓
- C) Active principle of aconite.
- D) Name of peripheral nerve poisons. ✓
- E) Define antidote. ✓
- F) Fatal dose and fatal period of dhatura. ✓
- G) Define forensic medicine. ✓
- H) Dactylography. ✓
- I) IPC for rape and injury. ✓
- J) Antidote for opium poisoning.
- K) Bansdola. ✓
- L) Fatal dose and fatal period of phenol.
- M) What is defence wound ? ✓
- N) Name of two emetics. ✓
- O) Two active principle of nux vomica. ✓

04212



2. Write short answer (any four out of six) : (4×5=20)
- a) MTP ACT.
  - b) Rigor Mortis.
  - c) Artificial insemination and its types.
  - d) Virginity.
  - e) Presumptive signs of pregnancy in detail.
  - f) SIDS with its medicolegal importance.

3. Write short answer (any four out of six) : (4×5=20)
- a) Food poisoning.
  - b) Drug and Cosmetic Act.
  - c) Colocynthis poisoning.
  - d) PM appearance and medicolegal aspect of Hydrocyanic acid.
  - e) Stages produced by acute opium poisoning.
  - f) Alcohol poisoning.

4. Long answer question (any two out of four) : (2×10=20)
- a) What is hanging ? write in detail about types of hanging.
  - b) Write in detail about rape.
  - c) What is personal identity ? Write medicolegal importance of age, sex, race and write about tattoo mark.
  - d) Define injury and write in detail about abrasion.

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

5. Long answer question : (1×20=20)

Describe in detail about lead poisoning.

6. Long answer question : (1×20=20)

Describe arsenic poisoning in detail.

7. Long answer question : (1×20=20)

Define poison. Name route of administration of poison. Describe action of poison. Write factors modifying action of poison. Describe the methods of removal of unabsorbed poison.



**Second B.H.M.S. (New) Examination, Summer 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) Write down any two red line symptoms of Allium cepa in coryza.
  - b) Write down any two characteristic symptoms of Aethusa cynapium baby.
  - c) Write down any two keynote symptoms of Dulcamara.
  - d) Write down any two keynote symptoms of Natrum Carbonicum.
  - e) Write down characteristic tongue and desires of Antimonium Crudum.
  - f) Write down any two keynote symptoms of Bryonia alba.
  - g) Write down thermal relation and side affinity of Silicea.
  - h) Write down any two keynote symptoms of Cinchona Officinalis.
  - i) Write down any two guiding symptoms of Cheledonium Majus.
  - j) Write down any two red line symptoms of platina in female genital disorder.
  - k) Write down any two keynote symptoms of Anacardium.
  - l) Write down any two keynote symptoms of Acetic Acid.
  - m) Write down any two keynote symptoms of Ignatia Amara.
  - n) Write down any two red line symptoms of Ambra Grisea in female genital disorder.
  - o) Write down any two guiding symptoms of Ferrum Metallicum.

04603



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

- a) Physical generals of Arnica Montana
- b) General modalities of Nux Vomica
- c) Joint complaints of Rhus Tox.
- d) Eye complaints of Euphrasia
- e) Biochemic indications of Natrum Phos.
- f) Mind of Argentum Nitricum.

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

- a) Physical generals of Phosphorus.
- b) General modalities of Arsenic album.
- c) Female genital disorder of Sepia
- d) Male genital disorder of Agnus Castus.
- e) Mind of Aurum Metallicum.
- f) Skin complaints of Petroleum.

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

- a) Cholera of Camphora and Veratrum album.
- b) Glandular affections of Conium maculatum and Phytolacca Decandra.
- c) Urinary complaints of Apis Melifica and Cantharis.
- d) Baby of Cina and Chamomilla.

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

5. Long answer question : (1×20=20)

Write down the drug picture of Aconite Napallus with emphasis on keynote, mind, physical generals, modalities and relationship.

6. Long answer question : (1×20=20)

Write down the drug picture of Gelsemium under following heads keynote symptoms Head Complaints Fever paralytic Affections and general modalities.

7. Long answer question : (1×20=20)

Write down the drug picture of Borax under following headings, Constitution and causations, Any five keynote symptoms, Baby, Female disorder and general modalities.





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HOMOEOPATHIC MATERIA MEDICA

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

(10×2=20)

- A) Write two characteristic symptoms of Aethusa Cynapium Mind.
- B) Write the haemorrhoids of Aloe Socotrina.
- C) Write two features of Allium Cepa Neuralgia.
- D) Write two characteristic features of Calcarea fluor.
- E) Write constipation of Bryonia Alba.
- F) Mention the thirst and Ailments from of Arsenic album.
- G) Write two characteristic features of Arum triphyllum.
- H) Write two characteristic features of Ipecac.
- 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.
- N) Write two characteristic features of Colchicum autumnale.
- O) Mention two characteristic features of Drosera.

P.T.O.

04213



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

(4×5=20)

- a) Write Physical general symptoms of Gelsemium.
- b) Describe Spongia Respiratory Symptoms.
- c) Describe Guiding indications of Calcarea sulph.
- d) Write Fever of Baptisia Tinctora.
- e) Describe Antim crud Skin.
- f) Describe Argentum nit Mind.

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

(4×5=20)

- a) Describe mind of Aconite.
- b) Describe bellis per Injury.
- c) Describe the basic concept and construction of Materia Medica with suitable examples.
- d) Describe the sources of Homoeopathic Materia Medica.
- e) Describe the sources of Drugs.
- f) Describe the types of Homoeopathic Materia Medica.

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

(2×10=20)

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

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

5. Long answer question :

(1×20=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=20)

Describe in detail the drug picture of Thuja.

7. Long answer question :

(1×20=20)

Describe in detail the drug picture of Pulsatilla.



**Second B.H.M.S. (2015) Examination, Summer 2018**  
**HOMOEOPATHIC MATERIA MEDICA**

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1. Write short answer (any ten out of fifteen) : (10×2=20)
- A) Write the name who introduced biochemic system and in which year ?
  - B) Define drug.
  - C) Define doctrine of signature.
  - D) What do you mean by concomitants and give example.
  - E) Define homoeopathic materia medica.
  - F) Cause of constipation in Arnica Montana.
  - G) Describe the tongue of Antimonium crudum.
  - H) Write common name and family of Thuja occidentalis.
  - I) Write important modalities of Natrum sulphuricum.
  - J) Write any two important indications of Calcarea phosphorica.
  - K) Write any two characteristic mental symptoms of Argentum Nitricum .
  - L) Write stools of Silicea.
  - M) Write any two characteristic symptoms of kali sulphuricum in skin.
  - N) Write characteristic tongue and side affinity of Rhus Tox.
  - O) Write characteristic pain of Allium cepa.

P.T.O.



2. Write short answer (any four out of six) : (4×5=20)
- Guiding symptoms of *Aethusa cynapium*.
  - Respiratory complaints of *Drosera rotundifolia*.
  - Rectal complaints of *Aloe socotrina*.
  - Guiding symptoms of *lycopodium clavatum*.
  - Write skin complaints of *Hepar sulphur*.
  - Guiding symptoms of *Cina*.

3. Write short answer (any four out of six) : (4×5=20)
- Guiding symptoms of *Ipecacunha*.
  - Describe headache of *Natrum muriaticum*.
  - Scope and limitations of Homoeopathic Materia Medica.
  - Write down various sources of Homoeopathic drugs.
  - Describe in detail about empirical and accidental source.
  - Describe in detail about knowledge of chemistry and knowledge of toxicology sources.

4. Long answer question (any two out of four) : (2×10=20)
- Describe *Chamomilla* child.
  - Compare and contrast *Arnica montana* and *Calendula* in injury.
  - Compare and contrast *Gelsemium* and *Baptisia* in fever.
  - Describe different types of Homoeopathic materia medica.

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

5. Long answer question : (1×20=20)  
Define Homoeopathy and describe in detail about different ways of studying homoeopathic materia medica.
6. Long answer question : (1×20=20)  
Describe in detail the drug picture of *Silicea*.
7. Long answer question : (1×20=20)  
Describe in detail the drug picture of *Nux vomica*.
-



**Second B.H.M.S. (2015) Examination, Winter 2018  
HOMOEOPATHIC MATERIA MEDICA**

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

(10x2=20)

- A) Define Homoeopathy.
- B) Define Homoeopathic Materia Medica.
- C) Define Materia Medica Pura.
- D) Define Symptom.
- E) Define sign.
- F) Write the common name and family of Aconite Napellus.
- G) Write the characteristic thirst and tongue of Bryonia alba.
- H) Write the thermal relation and diathesis of Calcerea phos. child.
- I) Write the desires of Cina baby.
- J) Write common name and chemical formula of Natrum muriaticum.
- K) Write the causation of complaints in Colocynthis.
- L) Write the common name and family of Thuja occidentalis.
- M) Write down characteristic tongue and side affinity of Rhus tox.
- N) Write the general modalities of Nux vomica.
- O) Write the characteristic piles of Aloe socotrina.

04213



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

- a) Write the eye complaints of Euphrasia.
- b) Write the respiratory complaints of Drosera rotundifolia.
- c) Write the guiding indications of Allium cepa.
- d) Write the Fever of Baptisia tinctoria.
- e) Write the Central nervous affection of Gelsemium.
- f) Write the gastrointestinal disorders of Arsenic album.

(4×5=20)

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

- a) Write the various types of Homoeopathic Materia Medica.
- b) Write the different methods of studying Homoeopathic Materia Medica.
- c) Explain various sources of Homoeopathic drugs.
- d) Define constitution and describe various constitutions.
- e) Write the biochemic indications of Kali Muraticum.
- f) Write the guiding indications of Nux Vomica.

(4×5=20)

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

- a) Write the Mind complaints of Argentum Nitricum.
- b) Write the Chamomilla baby.
- c) Describe the Pulsatilla lady.
- d) Compare injury of Arnica montana and Calendula officinalis.

(2×10=20)

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

5. Long answer question :

What are the various sources of Homoeopathic Materia Medica and discuss in brief scope and limitations of Homoeopathic Materia Medica ?

(1×20=20)

6. Long answer question :

Write in detail the drug picture of silicea.

(1×20=20)

7. Long answer question :

Write in detail the drug picture of lycopodium clavatum.

(1×20=20)



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

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1. Write short answer (any ten out of fifteen) : (10×2=20)
- A) Define causa occasionalis.
  - B) Write two contributions of Dr. Mahendralal Sirkar.
  - C) Define doctrine of drug proving.
  - D) State Nature's law of cure.
  - E) Define accessory symptom of disease with example.
  - F) Define case taking.
  - G) Write four primary manifestations of Psora.
  - H) Mention four indications of palliation according to Dr. Hahnemann.
  - 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.



2. Write short answer (any four out of six) : (4×5=20)
- Actions of medicine.
  - Ideals of cure.
  - Secondary action of medicine.
  - Individualisation.
  - Knowledge of true physician.
  - Contributions of Dr. Boenninghausen.
3. Write short answer (any four out of six) : (4×5=20)
- Acute disease.
  - Non miasmatic diseases.
  - Memory.
  - Sources of totality.
  - Characteristic symptom.
  - Differentiate cure and palliation.
4. Long answer question (any two out of four) : (2×10=20)
- Explain logic according to Dr. S. Close.
  - Write origin, evolution and spread of homoeopathy in India.
  - Define susceptibility. Write factors affecting it. What is the role of susceptibility in homoeopathic prescription ?
  - 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 : (1×20=20)  
Explain different systems of medicine with their advantages and disadvantages.
6. Long answer question : (1×20=20)  
Write in detail cardinal principles of Homoeopathy.
7. Long answer question : (1×20=20)  
Enumerate the life history of Dr. Hahnemann. Write his contributions.





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ORGANON OF MEDICINE

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

(10×2=20)

- a) State aphorism number 1.
- b) Define accessory symptoms.
- c) State Law of Simplex.
- d) Define Miasm.
- e) Define particular symptom and give an example of the same.
- f) Define maintaining cause and give an example of the same.
- g) Define mental symptoms.
- h) Define Medicine.
- i) State the inventor and principle of Homoeopathy.
- j) Define Reaction.
- k) Mention the types of fundamental cause.
- l) Define PQRS symptoms.
- m) State 4 properties of ideal cure.
- n) Define Nature's Law of Cure.
- o) Define qualified mental symptom and give an example of the same.

P.T.O.

04604



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

(4×5=20)

- a) Totality of symptoms.
- b) Unprejudiced observer.
- c) Knowledges of Physician.
- d) Primary and Secondary action.
- e) Theory of Vital Force.
- f) Psora.

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

(4×5=20)

- a) Inappropriately named chronic diseases.
- b) Classification of acute diseases.
- c) Case Taking.
- d) Dynamic diseases.
- e) Brousseau's mode of treatment.
- f) Individualization.

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

(2×10=20)

- a) Susceptibility.
- b) Analysis and Evaluation.
- c) Genus Epidemicus.
- d) Logic.

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

5. Long answer question

(1×20=20)

Discuss in details the concept of drug proving.

6. Long answer question :

(1×20=20)

Discuss the theory of chronic miasms and add a note on Syphilis.

7. Long answer question :

(1×20=20)

Discuss in details the Antipathic and Isopathic modes of treatment and add a note on its scope and limitations.

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**Second B.H.M.S. (2015) Examination, Summer 2018**  
**ORGANON OF MEDICINE**

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) : (10x2=20)
- A) Mission of Physician.
  - B) Hufeland's Statement.
  - C) State Homoeopathic Law of Quantity and Dose.
  - D) Define Susceptibility According To Dr. James T. Kent.
  - E) How Many Minimum Characteristic Symptoms Required to Prescribe According Dr. Hering.
  - F) Which Symptom Rank Highest in Analysis of Case.
  - G) What is Medical Rogues Gallery ?
  - H) Define Lucid dreams.
  - I) Write any two Contributions of Dr. Kent.
  - J) Why Medicines are not Proved on Animals ?
  - K) Write two Examples of Palliative method.



- L) Define Suspended Animation with one condition.
- M) Write First Possibility of Law of Dissimilars.
- N) Name the Physician Who Treated Ishwarchandra Vidyasagar.
- O) State Four Criteria of Law of Direction of Cure.

2. Write short answer (any four out of six) : (4x5=20)

- a) Explain Vital Force as Expressed in Function in Health.
- b) Fixed Principles.
- c) Brousseauic Method of Treatment.
- d) Complex Disease.
- e) Theory of Chronic Disease.
- f) Conversion of Dr. Constantine Hering.

3. Write short answer (any four out of six) (4x5=20)

- a) Acute Disease.
- b) True Natural Chronic Disease.
- c) Explain Conflict with it's types.
- d) Special Directions By Dr. Hahnemann During Case Taking in Chronic Diseases of Females.
- e) Objective Symptom and its Significance.
- f) Dr. Hahnemann's concept of Disease.

4. Long answer question (any two out of four) : (2x10=20)

- a) ~~Write in detail about the Major Events took place during The Renaissance Period with contributions of Paracelsus.~~ *What is Hufeland remark. Justify your answer for remark.*
- b) Write in detail about Spread of Homoeopathy in India.
- c) Explain totality of Symptoms is the only Guide in the choice of the remedy.
- d) Write in detail about Life, Conversion and Contributions of Dr. Boenninghausen.



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

5. Long answer question : (1x20=20)

Explain how Dr. Samuel Hahnemann's early days of Life made him a Wonderful Man to form a key to his future with note on his contributions.

6. Long answer question : (1x20=20)

For Individualizing examination of a case of disease, State General Instructions Given by Dr. Samuel Hahnemann.

7. Long answer question : (1x20=20)

State how the Therapeutic Law of nature can be applied in the treatment of the patients.



**Second B.H.M.S. (2015) Examination, Winter 2018**  
**ORGANON OF MEDICINE**

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 conjoint malady. ✓
- B) Define epidemic disease. ✓
- C) Write two examples of precipitating cause. ✓
- D) Write two sources to collect totality of symptom. ✓
- E) Write two advantages of record keeping. ✓
- F) Write two significance of objective symptoms. ✓
- G) State homoeopathic law of cure. ✓
- H) Define unprejudiced observer. ✓
- I) State functions of Id and Ego. ✓
- J) Two contributions of father of american homoeopathy. ✓
- K) Define Materia Peccans. ✓
- L) Write two examples of causa occasionalis. ✓
- M) State two characteristics of vital principles. ✓
- N) Define auxillary symptom. ✓
- O) Write the name of book by Dr. Samuel Hahnemann on Miasms. ✓

04214



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

- a) Explain dynamic influence.
- b) Examples of therapeutic law of nature.
- c) Explain medicines are stronger than natural disease force.
- d) Explain aphorism no. one.
- e) Explain law of minimum.
- f) Explain contributions of Dr. Kent.

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

- a) Explain artificial chronic disease.
- b) Explain acute miasms as per aphorism number 73.
- c) Explain memory with it's Types.
- d) Explain case taking in Hypochondriac Patients.
- e) Explain characteristic symptoms.
- f) Explain Dr. Hahnemann's concept of health and disease.

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

- a) Explain perception with explaining difference between illusion, delusion and hallucination.
- b) Write in detail spread of Homoeopathy in Maharashtra.
- c) Explain evaluation of symptoms according to Dr. Kent.
- d) Write about conversion and contributions of Dr. Boenninghaussen.

*August  
10/2016*

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

5. Long answer question : (1×20=20)  
Explain In Detail Logic.

6. Long answer question : (1×20=20)  
Explain Susceptibility.

7. Long answer question : (1×20=20)  
Explain with precise examples, What happens when two dissimilar natural diseases meet together in one person.



04601

**Second B.H.M.S. (New) Examination, Summer 2017  
PATHOLOGY AND MICROBIOLOGY**

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) Types of emboli.
- b) Cardinal signs of inflammation.
- c) Define hypertrophy.
- d) Types of renal oedema.
- e) Define atherosclerosis.
- f) 4 causes of cirrhosis of liver.
- g) Define aplastic anemia.
- h) Causes of leucocytosis.
- i) Define sterilization.
- j) Name flagellated bacteria.
- k) Define acid fast staining.
- l) Larval form of taenia solium.
- m) Hosts of leishmania donovani.
- n) Hydatid fluid composition.
- o) DNA virus.



04601



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

(4×5=20)

- a) Metaplasia
- b) Caseous necrosis
- c) Acid fast staining
- d) Define bacterial spore
- e) Morphology of ascaris lumbricoides
- f) Lab diagnosis of malaria.

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

(4×5=20)

- a) Bronchial asthma in short.
- b) Fatty liver causes and diagnosis.
- c) Write widal test in detail.
- d) Write megaloblastic anemia in detail.
- e) Miasmatic background of inflammation.
- f) Pathogenesis of Hepatitis B virus.

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

(2×10=20)

- a) Discuss in detail the morphology and pathogenesis of meningococci.
- b) Discuss in detail the physical methods of sterilization.
- c) Morphology of entamoeba histolytica.
- d) Life cycle of leishmania donovani.

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

5. Long answer question :

(1×20=20)

Define inflammation. Discuss in detail the vascular and cellular events of inflammation.

6. Long answer question :

(1×20=20)

Discuss in detail the aetiology, pathogenesis and lab diagnosis of myocardial infraction.

7. Long answer question :

(1×20=20)

Discribe in detail the morphology, pathogenesis and lab diagnosis of vibrio choieri.

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Second BHMS (New) Examination, Summer 2018  
PATHOLOGY AND MICROBIOLOGY

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 Infarction. Write 2 points of difference between red and white infarction.
  - b) Define Embolism and give 4 types of Embolism.
  - c) Define Indirect acting Chemical Carcinogen with 2 examples.
  - d) Define chronic bronchitis and enumerate it types.
  - e) Give 4 etiological factors for Peptic Ulcer.
  - f) Define Angina Pectoris. Mention types.
  - g) Give any four conditions where the specific gravity of urine is increased.
  - h) Causes of Leucocytosis.
  - i) Write features of Autoclave.
  - j) Enumerate various toxins produce by staphylococcus.
  - k) Give diagnostic value of ASO titre and 2 pathological conditions where we use ASO titre as diagnostic criteria.
  - l) Give 2 examples of vector transmitted diseases.
  - m) Loeffler's syndrome.
  - n) Definitive and Intermediate Host of Taenia Solium & Taenia Saginata.
  - o) Give structure of Hepatitis A virus.



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

(4×5=20)

- Degeneration.
- Difference between Exudate and Transudate.
- Tyndallization.
- Lepramin test.
- Life cycle and Pathology of *Enterobius vermicularis*.
- Pathology of *Ascaris lumbricoides*.

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

(4×5=20)

- CSF findings of acute purulent meningitis.
- Nephrotic syndrome.
- Define Anemia and Explain megaloblastic anemia.
- Causes and Lab investigation for Proteinuria.
- Miasmatic background of Asthma.
- HIV virus.

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

(2×10=20)

- Give pathogenicity and lab diagnosis of *Pneumococcus*.
- Write pathogenicity and lab diagnosis of *Clostridium Tetani*.
- Give life cycle of *Entamoeba histolytica* and add a note on Amoebic liver abscess.
- Give morphology, Life cycle, Pathology of *Dracanculus Medinenses*.

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

5. Long answer question.

(1×20=20)

Define and classify Neoplasia. Explain Anaplasia and Metastasis with note on carcinoma in situ.

6. Long answer question :

(1×20=20)

Describe morphology, Life cycle, Pathogenicity and Lab diagnosis of *trichuris trichiura*.

7. Long answer question :

(1×20=20)

Describe Morphology, Antigenic structure, Pathogenicity and lab diagnosis of *salmonella typhi*.

3  
04211 B

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

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 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.

P.T.O.

04211 B



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 infection 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.

04211A



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.



04211 A

**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.
- D) Hyperaemia.
- E) Enumerate etiological factors for Ischaemia.
- F) Teratoma.
- G) Herd Immunity.
- H) Causes of Iron deficiency anaemia.
  - I) Rh Incompatibility.
  - J) Glycosuria.
- K) Mention any two etiological factors for Cirrhosis of Liver.
- L) Enumerate the ulcers in GIT and write aetiology of Peptic ulcer.
- M) Pathological changes in Mitral stenosis.
- N) Osteoclastoma.
- O) Name any two causes of chronic bronchitis.

P.T.O.



Second B.H.M.S. (2015) Examination, Summer 2018  
PATHOLOGY & BACTERIOLOGY & PARASITOLOGY -

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) :

(10x2=20)

- A) Mention types of Staphylococcus.
- B) Name the Toxins of Streptococcus.
- C) Morphology of Neisseria Meningococcus.
- D) Name two sporing bacteria.
- E) Mention principal of Gram's staining.
- F) Write the types of female Nematodes.
- G) Contents of Hydatid cyst.
- H) Define Cysticercus cellulase.
- I) Which are the types of Plasmodium ?
- J) What are the types of Agglutination in Widal test ?
- K) Charcot Leyden crystals.
- L) Name two malignancies associated with HIV infection.

P.T.O.





- M) What are the types of Hepatitis virus?
- N) Morphology of Rabies virus.
- O) Name Two cultural media used in fungal infection.

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

(4x5=20)

- a) Morphology and cultural characteristics of Pneumococcus.
- b) Pathogenicity of *C. tetani*.
- c) Differentiate between Amoebic and Bacillary dysentery.
- d) Morphology of *Leishmania donovani*.
- e) Pathogenesis of Hepatitis-B virus.
- f) MacConley agar.

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

(4x5=20)

- a) VDRL test.
- b) Structure of Flagellum.
- c) Classification of Parasites.
- d) Methods of Transmission of infection.
- e) Morphology of Influenza virus.
- f) Candidosis.

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

(2x10=20)

- a) Define sterilisation. Mention physical agents of sterilisation. Describe Hot Air Oven.
- b) Define Cultural media. Describe in detail classification of special cultural media.
- c) Describe in detail the pathogenesis and lab. diagnosis of Herpes Simplex.
- d) Describe in detail the Life cycle of *Plasmodium Vivax*.

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

5. Long answer question : (1x20=20)

Describe in detail Morphology, cultural characteristics, pathogenesis and Lab. diagnosis of Mycobacterium Tuberculosis.

6. Long answer question : (1x20=20)

Describe in detail the Morphology, Life cycle, pathogenesis and Lab. diagnosis of Ascaris Lumbricoides.

7. Long answer question : (1x20=20)

Describe in detail the structure, pathogenesis and lab. diagnosis of HIV virus.



**Second B.H.M.S. (2015) Examination, Summer 2018**  
**PATHOLOGY AND BACTERIOLOGY AND PARASITOLOGY**

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 Phagocytosis? Name three steps in Phagocytosis.
  - B) Enlist different Endogenous Pigments appear in Pigment disorders.
  - C) List 3 major types of shock with suitable examples.
  - D) Complications of wound healing.
  - E) Types of Hyaline change with it's examples.
  - F) Features of anaplasia.
  - G) Define Herd Immunity.
  - H) Define Kwashiorkor & Write microscopic changes in liver.
    - I) Name four Haemoglobinopathies.
    - J) Four risk factors of Gall stones.
    - K) Serum markers of Acute pancreatitis.
    - L) Enlist etiological factors of Peptic ulcers.
    - M) Serum markers of Ischaemic Heart Disease.
    - N) Enlist complications of Fracture healing.
    - O) Define Emphysema with classification of true Emphysema.

P.T.O.

04211 A



(4×5=20)

2. Write short answer (any four out of six) :
- Define Granuloma with its composition.
  - Difference between Transudate and Exudate.
  - Nutmeg Liver.
  - Definition and Types of Emboli.
  - Indications and contraindications of Bone marrow aspiration.
  - Proteinuria.

(4×5=20)

3. Write short answer (any four out of six) :
- Bronchial asthma.
  - Leiomyoma of uterus.
  - Discuss in short about Acute renal Failure.
  - C.S.F. changes in Pyogenic Meningitis.
  - Importance of sputum Examination.
  - Megaloblastic anemia.

(2×10=20)

4. Long answer question (any two out of four) :
- Define and classify Immunity. Explain the different types of Immunity with Examples.
  - Define Thrombosis. Explain Virchow's Triad of Thrombosis. Add a note on Fate of Thrombus.
  - Cirrhosis of liver.
  - Discuss pathogenesis and morphology of Rheumatic heart disease.

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

(1×20=20)

5. Long answer question :
- Define Pneumonia with its classification. Pathogenesis of Lobar pneumonia. Add a note on complications of Lobar Pneumonia.

(1×20=20)

6. Long answer question :
- Define and classify Arteriosclerosis. Discuss the etiology and pathogenesis of Atherosclerosis. Mention complications of the same.

(1×20=20)

7. Long answer question :
- Enumerate Antigen Antibody reactions. Describe the principle and clinical applications of agglutination reactions with suitable examples.



**Second B.H.M.S. (2015) Examination, Winter 2018**  
**PATHOLOGY AND BACTERIOLOGY AND PARASITOLOGY – II**

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 Koch's postulate.
  - B) Characters of gram negative bacterial cell wall, name two gram negative bacteria. ✓
  - C) Enlist organisms causing sore throat.
  - D) Name bacteria which produces syphilis with its stages. ✓
  - E) Give two examples of enrichment media. ✓
  - F) Define and mention two zoonotic infections. ✓
  - G) Define healthy carrier. Enumerate various types of carriers with examples. ✓
  - H) What is protozoa? Name some protozoa which are pathogenic to man. ✓
  - I) Enlist lesion produce by Entamoeba Histolytica. ✓
  - J) Enumerate Parasites that can be found Commonly in Stool of Human Being. ✓
  - K) Name two rapid test for diagnosis of Cholera.
  - L) Enlist any four General Morphological characters of virus. ✓
  - M) Mention any four laboratory investigation for viral diseases. ✓
  - N) Name root of entry of all virus that cause hepatitis.
  - O) Name the fungus and its toxins appear on groundnut which produces liver damage.

04211 B



2. Write short answer (any four out of six) : (4×5=20)
- a) Pathogenesis and Morphology of streptococci.
  - b) Define endotoxin. Name toxin produced by *CORYNEBACTERIUM DIPHTHERIAE*.
  - c) Elephantitis. ✓
  - d) Hydatid Cyst. ✓
  - e) Explain laboratory investigations for Swine Flu. ✓
  - f) Explain Chemical Disinfectants. ✓

3. Write short answer (any four out of six) : (4×5=20)
- a) Widal Test. ✓
  - b) Toxic shock syndrome.
  - c) General Laboratory investigations for parasitic infections. ✓
  - d) Define infections. Discuss about different hospital infections.
  - e) Negri bodies.
  - f) Discuss about viral morphology and lesion produced by Mumps. ✓

4. Long answer question (any two out of four) : (2×10=20)
- a) Define sterilization and discuss in short about different methods of sterilization add a note on principle of Autoclave. ✓
  - b) Blood agar constituents, steps of preparations and uses.
  - c) Difference between Amoebic and Bacillary Dysentery.
  - d) Describe Morphology pathogenesis and laboratory investigations of *Ancylostoma Deodenale*.

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

5. Long answer question : (1×20=20)  
Describe Morphology, Cultural characteristics, Pathogenicity and Lab diagnosis of *Mycobacterium Tuberculosis*.
6. Long answer question : (1×20=20)  
Describe Morphological features, Route of transmission, Pathogenicity and Lab diagnosis of Human Immuno Deficiency Virus.
7. Long answer question : (1×20=20)  
Describe Morphology, Life cycle, Pathogenicity and Laboratory Diagnosis of *Plasmodium Malariae*.  
Parasite. *plasmodium Malariae*



Second B.H.M.S. (2015) Examination, Winter 2018  
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) :

(10x2=20)

- a) Give 4 causes of pathologic atrophy with examples.
- b) Define amyloidosis.
- c) Enumerate the 5 cardinal signs of inflammation.
- d) Define 'hyperaemia' and 'congestion'.
- e) Define metaplasia.
- f) Give 4 differences between benign & malignant neoplasms.
- g) Write 4 differences between active immunity & passive immunity.
- h) Enumerate 2 metabolic changes in starvation.
- i) Give 2 causes for eosinophilia.
- j) Define Crohn's disease.
- k) Enumerate causes for predominantly unconjugated hyperbilirubinaemia.
- l) Give 2 important causes for acute pancreatitis.
- m) Enumerate 4 main types of urinary calculi.
- n) Enumerate the major criteria in the modified Jones' criteria for the diagnosis of rheumatic fever.
- o) Give 2 important causes for bronchogenic carcinoma.

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

- a) Caseous necrosis.
- b) Deep vein thrombosis. ✓
- c) Chronic Venous Congestion of lung. ✓
- d) Granuloma. ✓
- e) Early diagnosis of cervical cancer.
- f) Ketonuria.

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

- a) Aetiopathogenesis of goitre. ✓
- b) Differentiate between benign & malignant gastric ulcers. Tumours ✓
- c) Risk factors of atherosclerosis ✓
- d) Differentiate between intrinsic & extrinsic asthma.
- e) Enumerate the various elements examined in the bone marrow smear with their significance.
- f) Morphological classification of anaemias.

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

- a) Define healing. Discuss healing by second intention.
- b) Write in short about primary & secondary lymphoid organs.
- c) Enumerate the complications of diabetes mellitus.
- d) Write in detail about the pathogenesis and gross & microscopic features of alcoholic liver cirrhosis.

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

5. Long answer question : (1×20=20)

Define oedema. Describe mechanism behind pathogenesis of renal oedema. Explain the aetiopathogenesis of acute & chronic glomerulonephritis.

6. Long answer question : (1×20=20)

Define Immunity. Describe cell mediated & humoral immunity, write a note on secondary immunodeficiency disease?

7. Long answer question : (1×20=20)

Define infarction. What are the factors governing the development of an infarct ? Discuss the aetiopathogenesis and gross & microscopic features of myocardial infarct.