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
    b) Name 4 Morphological changes in Reversible cell injury
    c) Transudate
    d) Name 4 endogenous pigments of the body
    e) Amylodosis
    f) HLA System
    g) Grading of Tumours
    h) Haemophilia
    i) Uses of EDTA
    j) Define Hyperthyroidism and Hypothyroidism
    k) Causes of Pancreatitis
    l) Glossitis
    m) Mastitis
    n) Meningitis
    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) Mountoux 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, pathogensis 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 defination, pathogensis 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]

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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.

1. 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) Significane of Bacterial spore and draw its diagram.
   d) Mantoux test with respect to amount of purified protein derivative required and its clinical significance.
   e) Itarogenic 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 Amoebicdysentery.
   j) Mentions various cysts/ovas found in stool examination.
   k) Mention etiology of malaria.
   l) Define virus.
   m) Pathogenesis of adenovirus.
   n) Dengue
   o) Oculmycosis

2. Write short answer (**any four** out of six) :   [4 × 5 = 20]
    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 granulosis? Add a note on hytatid 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]