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DAB012015201-P-1

Second B.H.M.S. (2015) Examination, Winter - 2023 (Phase - II)
PATHOLOGY, BACTERIOLOGY & PARASITOLOGY - I

Total Duration : Section A+B = 3 Hours

Section B Marks : 80

SECTION - B

Instructions :

- 1) Use 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 answer book for all sections.

2) Short Answer Questions (Solve any 4 Out of 6) : [4 × 5 = 20]

- a) Fatty Change
- b) Pulmonary Embolism
- c) Apoptosis
- d) Clinical Significance of Bleeding Time & Clotting Time
- e) Pathogenesis of Irreversible cell injury
- f) Clinical Significance of ESR

3) Short Answer Questions (Solve any 4 Out of 6) : [4 × 5 = 20]

- a) Nephrotic Syndrome
- b) Atrophy
- c) Emphysema
- d) ARDS
- e) Describe Abnormal findings of Physical examination of urine
- f) Describe Iron deficiency Anaemia

4) Long Answer Questions (Solve any 2 Out of 4) : [2 × 10 = 20]

- a) General Properties, Pathways & regulation of Complement system
- b) Definition, Etiopathogenesis & Fate of Thrombosis
- c) Cirrhosis of Liver
- d) Etiopathogenesis, types & Pathological features of Pancreatitis

Long Answer Questions (Any one from Q. No. 5, 6 & 7) : [1 × 20 = 20]

- 5) Define Infarction & explain Etiopathogenesis, Complication & Lab Diagnosis of Myocardial Infarction**
- 6) Define Immunity. Mention difference between Active & Passive Immunity. Describe Hypersensitivity Reactions.**
- 7) Describe Acute inflammation. Definition, Vascular events, Cellular events, cell derived & plasma derived mediators.**



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- 7) Use a common answer book for section B.

2. Short Answer Questions (Solve any 4 Out of 6) [4 × 5 = 20]

- a) Cultural characteristics of *Salmonella Typhi*
- b) Morphology of *Ankylostoma Duodenale*
- c) Measles virus
- d) Life cycle of Guinea worm
- e) Types of stains
- f) Pathogenicity of *treponema pallidum*

3. Short Answer Questions (Solve any 4 Out of 6) :- [4 × 5 = 20]

- a) Enumerate & describe different type of host in parasitic infections with examples.
- b) Endotoxins
- c) NIH swap
- d) Hospital Acquired infection
- e) Oncogenic virus
- f) Classification of culture media

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4. Long Answer Questions (Solve any 2 Out of 4):- [2 × 10 = 20]

- a) Life cycle & pathogenicity of *Taenia solium*.
- b) What are the methods of sterilization by moist heat? Discuss sterilization by moist heat under pressure in detail.
- c) Discuss about viral morphology and lesion produced by Mumps
- d) What is infection? Enumerate classification, source & method of transmission of infection

Long Answer Questions (Any one from Q.No. 5, 6, and 7) : [1 × 20 = 20]

- 5. Describe morphology, cultural characteristics, pathogenicity & lab diagnosis of *Corynebacterium Diphteria*
- 6. Describe morphology with antigenic structure, pathogenesis & lab diagnosis of rabies virus
- 7. Describe in detail the morphology, life cycle, pathogenesis & lab diagnosis of *Ascaris Lumbricoides*.

