

Second B.H.M.S. (New) Examination, Summer 2016
PATHOLOGY AND MICROBIOLOGY

Total Duration : Section A/B = 3 Hours

Total Marks : 100

SECTION – A/B

- Instructions:**
- 1) **All questions are compulsory.**
 - 2) **All questions carry equal marks.**
 - 3) **The number to the right indicates full marks.**
 - 4) **Draw diagrams wherever necessary.**
 - 5) **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.**
 - 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 paper – I syllabus to paper – II and vice versa. 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.**

SAQ

(60 Marks)

1. Write appropriate answers (**any ten** out of fifteen) :

(10x2=20)

- a) Mention the types of Acute Inflammation.
- b) Mention the laboratory enzymes in Ischemic necrosis of Myocardium.
- c) Define Shock.
- d) Mention the etiology of Cirrhosis of Liver, any 2.
- e) Mention the Jones criteria, any 4.
- f) Mention the markers for each of the following : CA breast, CA ovaries.
- g) Mention the causes for decreased Platelet count, any 2.
- h) Define Leukaemia.
- i) Mention the difference between a Bacteria and a Virus.
- j) Mention the organisms responsible for Opportunistic infections, any 2.
- k) Herd immunity.



- ~~l)~~ Mention 2 examples of Soil mediated Helminthiasis.
- ~~m)~~ Mention the Definitive and Intermediate host for Malaria and Filaria.
- ~~n)~~ Mention the parasites responsible for Tropical Eosinophilia. *Filoxia*
- ~~o)~~ Lab investigations in Dengue fever, any 2.

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

(4x5=20)

- Caseous necrosis.
- Fate of Thrombosis.
- VDRL test.
- Cultural characteristics of Clostridium Welchii.
- Kala-azar.
- Life cycle of Giardia Lamblia.

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

(4x5=20)

- Pathology of Peptic ulcer.
- Pathology in Rheumatic heart disease.
- Peripheral blood picture and bone marrow finding in Mediterranean Anaemia.
- Casts and crystals in urine.
- Miasmatic approach to Viral hepatitis.
- Hepatitis B infection.

LAQ

(40 Marks)

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

(2x10=20)

- Food poisoning with respect to etiology and laboratory investigations.
- S.T.I. (sexually transmitted infections).
- Describe the life cycle and pathogenicity of Hookworm.
- Describe the life cycle and pathogenicity of Plasmodium Vivax.

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

(1x20=20)

Long answer question :

5. Discuss Shock with respect to :

- a) Definition and Types. 5
- b) Aetiopathogenesis. 5
- c) Pathological changes with respect to lung and liver. 5
- d) Laboratory diagnosis. 5

6. Long answer question :

Discuss C.O.P.Ds with respect to :

- a) Types. 5
- b) Etiopathogenesis of bronchial asthma. 5
- c) Difference between intrinsic and extrinsic Asthma. 5
- d) Add a note on Pneumoconiosis. 5

7. Long answer question :

Discuss in detail on Group A Beta-haemolyticus Streptococci with respect to :

- a) Morphology. 5
 - b) Cultural characteristics. 5
 - c) Pathogenicity. 5
 - d) Laboratory Diagnosis. 5
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