



04601

Second BHMS (New), Winter 2015
Pathology and Microbiology

Total Duration: Section A/B = 3 Hours

Total Marks : 100

Section-A/B

- Instructions :**
- 1) All question are compulsory.
 - 2) All question 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. 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) Define Metaplasia
- b) Two examples of Physiologic Atrophy.
- c) Name four changes in Reversible Cell Injury.
- d) Define Arteriosclerosis
- e) Define Dextrocardia.
- f) Define Oral leucoplekia.
- g) Ethylene diamine tetra acetic acid.
- h) Sodium fluoride.
- i) Different culture media use for Vibrio Cholerae.
- j) Name types of physical Sterilization.
- k) Morphology of Pneumococci.
- l) Host of Echinococcus Granulosus.
- m) Name four characteristics of Cestodes.
- n) Cysts of Entamoeba histolytica.
- o) Name two viruses that produces Respiratory diseases.

Handwritten calculations and diagrams:

16 + 9 → 8 + 12 + 8

16 + 8 + 8 + 10 + 6

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

(4x5=20)

- a) Define hyaline degeneration.
- b) Systemic Lupus Erythematosus.
- c) Cultural characteristics of Myobacterium Tuberculae and Describe Mantoux Test.
- d) Pathogenesis of Treponema pallidium and Describe VDRK.
- e) Cysticercosis in Human.
- f) Clinical feature of Ancylostoma Duodenale.

Handwritten calculations:

3 2 1/2 + 2 + 2 + 1 1/2

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

(4x5=20)

- a) Atelactasis.
- b) ~~Mitral-stenosis.~~
- c) ~~Complication of Blood transfusion.~~ 2
- d) Write about Lumbar puncture needle and CSF analysis. 3
- e) ~~Miasmatic approach to Bronchial Asthma.~~ 2
- f) Different properties of Virus. 1

LAQ (40 Marks)

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

(2x10=20)

- a) Cultural characteristics and pathogenesis of *Corynebacterium diphtheria*.
- b) Classify Staphylococci. Enumerate lesions produced by it.
- c) Difference between Amoebic and Bacillary dysentery.
- d) Morphology and Life cycle of *Ascaris lumbricoides*.

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

(1x20=20)

5. Explain Amyloidosis :

- a) Physical and Chemical nature of Amyloid
- b) Deposition of AL Amyloid
- c) Deposition of AA Amyloid
- d) Primary Systemic [AL] Amyloidosis

(5)

(5)

(5)

(5)

6. Explain Peptic Ulcers:

- a) Pathogenesis of Stress ulcers
- b) Pathogenesis of Gastric ulcers
- c) Pathogenesis of Duodenal ulcers
- d) Complication of Peptic ulcers

(5)

(5)

(5)

(5)

7. Explain Hepatitis B with:

- a) Morphology.
- b) Resistance and viability.
- c) Clinical feature.
- d) Lab Diagnosis.

(5)

(5)

(5)

(5)