



04601

31

Second B.H.M.S. (New) Examination, Summer 2015
PATHOLOGY AND MICROBIOLOGY

Total Duration : SECTION A + B = 3 Hours

Total Marks : 100

SECTION – A and SECTION – B

- 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 answer book for **all** Section.

SECTION – A **SAQ (60 Marks)**

1. Write appropriate answers (**any ten** out of fifteen) : **(10×2=20)**
- a) What are the actions of Histamine in Acute Inflammation ?
 - b) Morphology of P. thrombus and Red Thrombus.
 - c) Causes of Increased Venous end Capillary Hydrostatic pressure.
 - d) What are the Complications of Mitral stenosis?
 - e) Write food and pain relations of Chronic Gastric ulcer.
 - f) Causes of Pulmonary hypertension.
 - g) Write uses of Filter processes of Sterilization.
 - h) What are the Strains of Corynebacterium diphtheriae ?

P.T.O.

515

2

04601

-2-



- ~~i) Write two Gram's Negative Cocci and two Gram's Positive Bacilli.~~
- ~~j) Causes of occult blood in stool.~~
- k) Uses of blood Serum for Laboratory Investigation.
- l) Complication of Plasmodium falciparum.
- m) Write sites of Moulting of Ascaris lumbricoides.
- n) What are the Parasitic infestation produce by contaminated water ?
- ~~o) Types of Hepatitis Virus.~~

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

(4x5=20)

- a) Write a short note on HLA system.
- b) Hypovolemic shock.
- c) Uses of Autoclave.
- d) Bacterial toxin.
- e) Amoebic dysentery.
- f) Morphology of Plasmodium vivax.

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

(4x5=20)

- a) Peptic ulcer.
- b) Complication of Myocardial infarction.
- c) Microscopical examination of Urine.
- ~~d) Iron deficiency Anaemia.~~
- e) Miasmatic analysis of Tuberculosis.
- ~~f) Hepatitis 'B' Virus Infection.~~

SECTION – B LAQ (40 Marks)

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

(2x10=20)

- ~~a) Describe Morphology and Laboratory diagnosis of Clostridium tetani.~~
- ~~b) Describe Cultural characteristics and Pathogenicity of Staphylococcus aureus.~~
- ~~c) Describe Life cycle and Laboratory diagnosis of Ancylostoma duodenale.~~
- ~~d) Describe Morphology and Pathogenicity of Echinococcus granulosus.~~



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

(1×20=20)

5. Describe ACUTE INFLAMMATION under following heads :

- a) Define and write types. 5
- b) Write causes. 5
- c) Vascular event. 5
- d) Chemical mediators. 5

6. Describe Neisseria meningococci under following heads :

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

7. Describe Taenia saginata under following heads :

- a) Morphology. 5
- b) Life cycle. 5
- c) Pathogenicity. 5
- d) Laboratory diagnosis. 5