



**Second B.P.Th. (2012) Examination, Summer 2018**  
**PATHOLOGY AND MICROBIOLOGY**

Total Duration : Section A+ B = 3 Hours

Total Marks : 80

SECTION — A & 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 answerbook for **all** Sections.

**SECTION "A" (50 Marks)**  
**(Pathology)**

1. Short answer question (**any five** out of six) : **(5x7=35)**
- a) Write in short about Duchenne's Muscular dystrophy.
  - b) Write in short about Osteoarthritis,
  - c) Enumerate causes of Atrophy.
  - d) Define Apoptosis. Write in short about examples of Apoptosis.
  - e) Give a brief note on GHON'S complex.
  - f) What is amyloidosis. Enumerate special stains for amyloidosis.

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2. Long answer question (**any one** out of two) : (1 x15=15)

- a) Define edema. Discuss etiopathogenesis of edema. Give differences between transudate and exudate.
- b) Describe etiopathogenesis, gross features and microscopic changes of acute Myocardial infarction.

**SECTION "B" (30 Marks)**  
**(Microbiology)**

3. Short answer question (**any three** out of four) : (3x5=15)

- a) Opportunistic fungal infections.
- b) Laboratory diagnosis of Malarial infection.
- c) Complement fixation test.
- d) Laboratory diagnosis of Gas gangrene.

4. Long answer question (**any one** out of two) : (1x15=15)

- a) Enumerate the organisms causing diarrhea. Write laboratory diagnosis of Vibrio cholera,
- b) Draw a labeled diagram of Human Immunodeficiency Virus. Define window period and describe Laboratory diagnosis of Human Immunodeficiency Virus.

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