



Second B.P.Th. (2012) Examination, Summer 2016
PATHOLOGY & 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
(Pathology)

(50 Marks)

1. Short answer question (**any five** out of six) : **(5x7=35)**
 - a) Define necrosis. Describe types of necrosis with examples of each.
 - b) Define and classify anaemia. Describe laboratory investigations of megaloblastic anaemia.
 - c) Write a note on myasthenia gravis.
 - d) Describe aetiopathogenesis and pathology of Rheumatoid Arthritis.
 - e) Describe fracture healing. Add a note on complications of fracture healing.
 - f) Define meningitis. Write organisms causing meningitis. Describe CSF findings in Pyogenic and Tuberculous meningitis.
2. Long answer question (**any one** out of two) : **(1x15=15)**
 - a) Define thrombosis. Describe aetiopathogenesis and morphology of thrombus. Add a note on its complications.
 - b) Define neoplasia. Write differences between benign and malignant tumors. Add a note on routes of spread of tumors.

P.T.O.



SECTION — B

(30 Marks)

(Microbiology)

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

(3x5=15)

- a) Write a note on Autoimmunity.
- b) Discuss laboratory diagnosis of Dermatophytosis.
- c) Hydatid cyst.
- d) Discuss pathogenesis and laboratory diagnosis of Hepatitis B infection.

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

(1x15=15)

- a) Enumerate causative agents of sexually transmitted diseases and discuss laboratory diagnosis of syphilis.
- b) Define sterilization and disinfection. Classify and enumerate methods of sterilization. Write a note on Autoclave.
