



01102B

First Year M.B.B.S. Summer-2017 Supplementary Examination PHYSIOLOGY – II

Total Duration : Section A + B + C = 2½ Hours

Section B & C Marks : 40

SECTION – B & SECTION – C

- 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 Section **B** and **C**.

SECTION – B SAQ (24 Marks)

2. Short answer question (**any six** out of seven) : (6×4=24)
- a) Define Homeostasis. Differentiate between the positive and negative feedback mechanism.
 - b) Describe factors affecting nerve conduction velocity.
 - c) Explain role of platelets in coagulation.
 - d) Define Dark Adaptation. Explain Dark Adaptation curve along with its importance.
 - e) Describe in detail Tubuloglomerular feedback mechanism.
 - f) Ratchet Theory.
 - g) Describe in detail functions of middle ear.

SECTION – C LAQ (16 Marks)

3. Long answer question (**any two** out of three) : (2×8=16)
- a) Give morphology, classification and functions of WBC's. Add a note on Leucopoiesis.
 - b) Describe supraspinal centers and descending tracts involved in regulation of muscle tone. Add a note on stretch reflex.
 - c) Define and classify memory. Describe mechanisms of memory with its applied aspect.