



01102 B

**First M.B.B.S. Summer-2018 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 & C**.

**SECTION – B
(SAQ)**

(24 Marks)

2. Short answer question (**any six** out of seven) :

(6×4=24)

- a) Define transport maximum. Describe mechanism of glucose reabsorption in renal tubules.
- b) What are blood group systems ? Add a note on Erythroblastosis fetalis.
- c) What is accommodation in eye ? Describe the pathway of accommodation reflex.
- d) List the differences between upper and lower motor neuron lesions.
- e) Explain impedance matching by the ossicular system. What are the causes of conductive deafness ?
- f) Describe the primary and secondary immune response and its role in vaccination.
- g) Write a note on EEG.

**SECTION – C
(LAQ)**

(16 Marks)

(2×8=16)

3. Long answer question (**any two** out of three) :

- a) Describe the effects of the complete transection of spinal cord.
- b) Define GFR. Describe the regulation of GFR.
- c) Describe the pathway of pain sensation. Explain the basis of Phantom limb.