



63112

First B.P.T.H. (2012) Examination, Summer 2017
HUMAN PHYSIOLOGY

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 (SAQ) (50 Marks)

1. Short answer question (**any five** out of six) : **(5×3=15)**
 - a) Features of sodium potassium pump.
 - b) State the functions of middle ear.
 - c) Juxta glomerular apparatus.
 - d) Pancreatic juice.
 - e) Functions of plasma proteins.
 - f) Functions of Oxytocin.

2. Short answer question (**any five** out of six) : **(5×7=35)**
 - a) Physiological actions of Thyroid hormone
 - b) State the differences between Fast and Slow muscle fibers.
 - c) Draw a neat and labeled diagram of Oxygen-hemoglobin dissociation curve. Discuss the factors causing its shift to right.
 - d) Functions of cerebellum.
 - e) Draw a neat labeled diagram of ECG in lead II. Describe the various waves, intervals and segments. Clinical uses of ECG
 - f) What are the effects of exercise training on cardio-respiratory system ?

P.T.O.

