

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF PHYSIOTHERAPY
BPT, July-2018 Examination

Year: 1

Subject Code: 07101102

Subject Name: Human Physiology

Date: 05/07/2018

Time: 10:00am to 1:00pm

Total Marks: 70

Instructions:

1. All questions are mandatory
2. Figures to the right indicate full marks.
3. Draw Diagram wherever necessary.
4. Write separate sections on separate answer sheets.

SECTION- A

Q.1 Draw a labelled diagram of sarcomere and write in detail about “Sliding filament theory” of skeletal muscle contraction. **(15)**

OR

Q.1 Draw a labelled spirogram and write in detail about lung volumes and capacities. **(15)**

Q.2 Write Short Notes (4 out of 5) (5 Marks each) **(20)**

- (a) Erythropoiesis
- (b) Write a short note on arterial blood pressure.
- (c) Oxygen-haemoglobin dissociation curve
- (d) Immunity
- (e) Effect of exercise on cardiovascular system

SECTION- B

Q.1 Write in detail about physiology of cerebellum. **(15)**

OR

Q.1 Write in detail about pituitary hormones. **(15)**

Q.2 Write Short Notes (4 out of 5) (5 Marks each) **(20)**

- (a) Physiology of micturation
- (b) Pancreatic hormones
- (c) Pyramidal tracts
- (d) Spermatogenesis
- (e) Visual Pathway