

PARUL UNIVERSITY
FACULTY OF PHYSIOTHERAPY
BPT, July - 2019 Examination

Year: 1**Subject Code: 07101102****Subject Name: Human Physiology****Date: 18/07/2019****Time: 10:00 am to 01:00 pm****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 What is arterial blood pressure? Write in details about short-term regulation of arterial blood pressure. (15)

OR

Q.1 Write in detail about sliding filament theory with appropriate figures. (15)

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

- (a) Complications of Rh blood group system
- (b) Action potential in skeletal muscle
- (c) Immunity
- (d) Hypoxia
- (e) Heart – the central pump

SECTION- B

Q.3 Write in detail about Thyroid hormones and its effects on different systems. (15)

OR

Q.3 Physiological aspects of cerebellum (15)

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

- (a) Gastrointestinal hormones
- (b) Glomerular filtration rate (GFR)
- (c) Deglutition (Swallowing)
- (d) Contraception
- (e) Synapse