

PARUL UNIVERSITY
FACULTY OF PHYSIOTHERAPY
BPT, Examination November-2018

Year: 1**Subject Code: 07101102****Subject Name: HUMAN PHYSIOLOGY****Date: 20/11/2018****Time: 10:00am to 01:00pm****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 Define cardiac cycle. Write a note on different phases of cardiac cycle. **(15)**

OR

Q.1 What is the structure of neuro-muscular junction? Write a process of neuromuscular transmission with different drug actions. **(15)**

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

- (a) Write a brief note on cardiac output.
- (b) Lung volume and lung capacities.
- (c) What is hemostasis? Write a note on process of hemostasis.
- (d) What is the sliding filament theory?
- (e) Write a short note on given terms. A) Erythroblastosis foetalis
B) Oxygen debt

SECTION- B

Q.1 Name the descending tracts of the spinal cord. Write a brief note on gall and budarch. **(15)**

OR

Q.1 What is Dwarfism? Write an essay on metabolic functions of growth hormone. **(15)**

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

- (a) Write a micturition reflex.
- (b) Write a note on spermatogenesis.
- (c) Functions of skin.
- (d) Formation and functions of Gastric juice.
- (e) What is synapse and it's classification? Write any 2 properties of synapse.