

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2018
(First Semester)

Branch - **CLINICAL NUTRITION AND DIETETICS**

HUMAN PHYSIOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION -A (30 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks (5 x 6 = 30)

- 1 a Write a note on Immune deficiency disease.
OR
b Discuss on the function of a cell with regard to energy production.
- 2 a Discuss on cardio respiratory response to exercise.
OR
b Discuss on transmission of impulse through heart muscle.
- 3 a Explain the process of excretion of urea by the Kidney.
OR
b Explain the mechanism of secretion of digestive juices.
- 4 a Write a note on stress hormones.
OR
b Discuss on the adaptation of muscle fiber to activity.
- 5 a Explain the conditions of a nerve impulse.
OR
b Discuss on blood brain barrier.

SECTION -B (45 Marks!)

Answer any **THREE** questions

ALL questions carry **EQUAL** Marks (3 x 15 = 45)

- 6 Elaborate on cell mediated and hormonal immunity.
- 7 Discuss the role of lungs in exchange of gases.
- 8 Explain the role of gastro intestinal hormones in digestion and absorption process.
- 9 Elaborate on the disorders of skeletal system and muscles.
- 10 Elaborate on the mechanism of vision.