

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018
(First Semester)

Branch –FOODS AND NUTRITION

PHYSIOLOGICAL ASPECTS OF NUTRITION

Time: Three Hours

Maximum: 75 Marks

SECTION -A (30 Marks)

Answer ALL questions

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

- 1 a List the clinical significance of gastrin.
OR
b How free radicals are formed in biological systems?
- 2 a Write a note on histology of tongue and chemical constituent related to taste in the tongue.
OR
b Define circadian rhythm. Give examples of circadian rhythm in GI tract secretion
- 3 a How hormones are classified?
OR
b What are the functions of erythropoietin and rennin?
- 4 a What are antigen and antibody?
OR
b List the immune disorders.
- 5 a Brief on biotransformation of drugs.
OR
b What are anti-inflammatory agents?

SECTION -B (45 Marks)

Answer any THREE questions

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

- 6 Explain the biochemistry, physiology and clinical significance of pepsin and trypsin.
- 7 i) What are olfactory receptors? (4)
ii) Write a note on photochemistry of vision. (5)
iii) Discuss on sensorineural hearing loss. (6)
- 8 Describe the mode of action of thyroid and parathyroid gland hormones.
- 9 Enumerate on immunological responses in relation to vitamin and trace element deficiency.
- 10 i) Enumerate on nutrient and drug interaction in detail. (8)
ii) What are antibacterial agents? (4)
iii) List the hypolipidemic agents. (3)