

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2022
(Second Semester)

Branch – FOODS AND NUTRITION

PHYSIOLOGICAL ASPECTS OF NUTRITION

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

1. Proteins that act like catalyst for some biochemical reaction is called as
(i) Hormones (ii) Enzymes
(iii) Proteins (iv) Lipids
2. Organ of corti in internal ear are _____
(i) Phonoreceptor (ii) Rheoreceptor
(iii) Olfactory receptor (iv) Statoreceptor
3. Which of the following inhibits the growth hormone?
(i) FSH (ii) TRH
(iii) GHRH (iv) Somatostatin
4. Which of the following substances will not stimulate an immune response unless they are bound to a larger molecule?
(i) Antigen (ii) Hapten
(iii) Miligen (iv) Antibody
5. Absorption of Griseofulvin increases with high ----- diet.
(i) Carbohydrate (ii) Fat
(iii) protein (iv) vitamin C

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a. State the clinical significance of gastrin and cholecystokinin.
OR
b. Discuss about the site of enzyme secretion.
- 7 a. Explain about circadian rhythm with example.
OR
b. State two disorders of smell mechanisms.
- 8 a. Classify pituitary hormones.
OR
b. Illustrate the structure of Thyroid gland.
- 9 a. Show about immune response in relation to vitamin status of the human body.
OR
b. Determine the properties and interaction of immune response.
- 10 a. Justify how drug is been absorbed and distributed in the body?
OR
b. Discuss on the importance of oral hypoglycemic drugs.

Cont...

SECTION -C (30 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks (5 x 6 = 30)

- 11 a Appraise the role of free radicals and antioxidants in health and diseases.
OR
b Determine the clinical significance of enzymes.
- 12 a Enumerate and explain chemical constituents related to taste.
OR
b Explain the Mechanism of hearing.
- 13 a Illustrate the structure of kidney and mark the parts with its functions.
OR
b Enumerate and explain the functions of adrenal gland.
- 14 a Explain any two autoimmune diseases.
OR
b Classify the types of immunoglobulins.
- 15 a Explain the factors affecting the drug nutrient interaction.
OR
b Differentiate luminal and mucosal factors.

Z-Z-Z

END