

Question Paper

Exam Date & Time: 12-Feb-2024 (10:00 AM - 12:30 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER BSc. HEALTH SCIENCE DEGREE EXAMINATION - FEBRUARY 2024
SUBJECT: BHS - 303- PHYSIOLOGY

Marks: 40

Duration: 120 mins.

Answer ALL questions.

- 1A) Describe ANY TWO properties of cardiac muscle. (2)
- 1B) Mention ANY TWO differences between rods and cones. (2)
- 1C) Mention ANY TWO factors influencing GFR (2)
- 1D) Mention the cause and ANY TWO clinical features of acromegaly (2)
(1+1 = 2 marks)
- 1E) Describe ANY TWO functions of stomach. (2)
- 1F) Mention ANY TWO functions of lymph (2)
- 2A) Draw a neat-labelled diagram of ECG recorded from limb lead II. Name and mention the cause for each wave. (3)
- 2B) Describe the regulation of secretion of thyroid hormones [T_3 & T_4] in the form of a flow chart (3)
- 2C) List THREE tests to detect ovulation (3)
- 2D) Write ANY THREE differences between cardiac and skeletal muscles in a tabular column (3)
- 2E) Enumerate the components of a reflex arc with the help of a diagram (3)
- 2F) Describe the ionic basis for nerve action potential (3)
- 3A) Draw and label oxygen dissociation curve and list TWO factors shifting the curve to right. List the forms in which oxygen is transported in the blood. (5)
(4+1 = 5 marks)
- 3B) Describe the role of counter current multiplier in the formation of urine (5)

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