

Question Paper

Exam Date & Time: 06-May-2022 (10:07 AM - 11:30 AM)



MANIPAL ACADEMY OF HIGHER EDUCATION
FIRST SEMESTER B.Sc. NURSING DEGREE EXAMINATION - MAY 2022
SUBJECT: PHYS 110 - APPLIED PHYSIOLOGY
(REPEATERS)

Marks: 31

Duration: 87 mins.

Answer all the questions.

Essay:

1. Define hemostasis. Describe the intrinsic and extrinsic pathway of blood coagulation. Name any two anticoagulants. (10 marks)

2. **Short note:**

2A. Mention THREE functions of gastric juice. Add a note on gastritis. (3+2 = 5 marks)

2B. Name the forms of carbon dioxide transport in blood. Describe chloride shift mechanism. (3+2 = 5 marks)

2C. Mention any three functions of CSF. Add a note on hydrocephalus. (3+2 = 5 marks)

3. **Short answers:**

3A. What is sarcomere? Name the contractile proteins present in the sarcomere. (2 marks)

3B. Mention two actions of aldosterone. (2 marks)

3C. Define cardiac output. Mention the normal value of cardiac output at rest. (2 marks)

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