

Question Paper

Exam Date & Time: 01-Jul-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER BSc. HEALTH SCIENCE DEGREE EXAMINATION - JUNE/JULY 2024
SUBJECT: BHS-206 - INTRODUCTION TO HUMAN ANATOMY AND PHYSIOLOGY
(OLD SCHEME)

Marks: 75

Duration: 180 mins.

SECTION A: ANATOMY (32 MARKS)

Answer all the questions.

1. Short Answer Questions:

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| 1A) | Write about the formation of vertebral column | (2) |
| 1B) | Write about the blood supply of heart | (2) |
| 1C) | Name the parts of extrahepatic biliary apparatus | (2) |
| 1D) | Name the layers of meninges | (2) |
| 1E) | Write actions of sternocleidomastoid and trapezius muscles | (2) |
| 1F) | Write about external features of medulla oblongata | (2) |
| 1G) | Write any 4 features of dorsum of the tongue | (2) |
| 1H) | Write the parts of pituitary gland | (2) |
| 1I) | Write any 4 features of middle ear | (2) |

2. Short Essay Questions:

- | | | |
|-----|--|-----|
| 2A) | Describe the characteristic features of a typical synovial joint with a neat, labelled diagram | (3) |
| 2B) | Mention the parts of stomach. Name the arteries supplying it
(1 ½ +1 ½ = 3 marks) | (3) |
| 2C) | Mention the types of muscular tissue with examples for each | (3) |

Essay Question:

- 3) Name the parts of female reproductive system. Describe the uterus in detail (2+3 = 5 marks) (5)

SECTION B: PHYSIOLOGY (18 MARKS)

4. Answer the following questions:

- 4A) List any FOUR factors that influence glomerular filtration rate. (2)
- 4B) Write any FOUR actions of estrogen. (2)
- 4C) Mention any two differences between rods and cones. (2)
- 4D) List any TWO functions of platelets. (2)
- 4E) Mention any TWO features of facilitated diffusion. (2)
- 5) Describe the left ventricular pressure and volume changes during various phases of ventricular diastole. (3)
- 6) Enumerate any TWO actions of growth hormones. Mention the cause and any TWO clinical features of Acromegaly. (5)

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