

Question Paper

Exam Date & Time: 27-Jul-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER BSc HEALTH SCIENCES DEGREE EXAMINATION - JULY 2024

SUBJECT: BHS-102 - BIOLOGY II

(OLD SCHEME)

Marks: 75

Duration: 180 mins.

Answer all the questions.

1) Answer the following in a sentence or two

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| 1A) | What is sensory adaptation? Give one example | (2) |
| 1B) | Draw neat, labelled diagram of the excitable cells of the nervous system | (2) |
| 1C) | Write a note on endometrium | (2) |
| 1D) | Name the important glands associated with human male reproductive system | (2) |
| 1E) | Write a note on fertilization | (2) |
| 1F) | What is Sequential hermaphroditism? Give example | (2) |
| 1G) | Define hormone | (2) |
| 1H) | Differentiate between hormonal signal and nerve signals | (2) |
| 1I) | What are tropic hormones? Give example | (2) |
| 1J) | How do Marine bony fishes perform osmoregulation? | (2) |
| 1K) | What are Ureotelic animals? Give an example. | (2) |
| 1L) | Draw neat, labelled diagram of nephron | (2) |
| 1M) | Name the basic types of tissues in vertebrates | (2) |
| 1N) | Name any four essential vitamins. | (2) |

2) Answer the following

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|-----|---|-----|
| 2A) | Write a note on gated ion channels | (3) |
| 2B) | Write a note on menopause | (3) |
| 2C) | Explain the cortical reactions | (3) |
| 2D) | Different receptors for the hormone cause diverse responses in the target cells. Explain with example | (3) |

3) Answer the following elaborately:

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| 3A) | Write an elaborate note on epithelial tissue. | (5) |
| 3B) | Explain the simple hormonal control pathways. | (5) |

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