

Question Paper

Exam Date & Time: 24-Jun-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER BSc HEALTH SCIENCES DEGREE EXAMINATION - JUNE 2024
SUBJECT: BHS-102 - BIOLOGY II
(OLD SCHEME)

Marks: 75

Duration: 180 mins.

2. Answer the following in a sentence or two

- 2A) What are electrochemical receptors? Give example (2)
- 2B) Name the four basic tastes and the ions responsible for them. (2)
- 2C) Write a note on the synapse (2)
- 2D) What is menstrual cycle (2)
- 2E) What is corpus luteum (2)
- 2F) What is slow block to polyspermy (2)
- 2G) Draw neat labelled diagram of neuron. (2)
- 2H) With example explain positive feedback mechanism (2)
- 2I) What happens when a hormone binds to a cell surface receptor molecule? (2)
- 2J) What are Stenohaline? Give example (2)
- 2K) How do land animals survive from desiccation? (2)
- 2L) Explain the excretory system of annelids (2)
- 2M) Name the basic types of tissues in vertebrates (2)
- 2N) What is counter current heat exchange? Explain with example (2)

3. Answer the following

- 3A) Explain mechanoreceptors (3)
- 3B) How do organisms ensure survival of their offspring? (3)
- 3C) Differentiate between sexual and asexual reproduction (3)
- 3D) What is trophoblast? Mention its role (3)

4. Answer the following elaborately:

- 4A) Write an elaborate note on osmoregulation in aquatic animals. (5)
- 4B) Explain double circulation. (5)

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