

Question Paper

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



MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER BSc. HEALTH SCIENCES DEGREE EXAMINATION - AUGUST 2024
SUBJECT: BHS-303 PHYSIOLOGY
(SPECIAL EXAM)

Marks: 60

Duration: 150 mins.

Answer all the questions.

- 1A) List TWO factors that increase the heart rate. (2)
- 1B) Describe impedance matching. (2)
- 1C) List ANY FOUR functions of kidneys. (2)
- 1D) Mention the cause and any TWO clinical features of Cushing's syndrome. (2)
(1+1 = 2 marks)
- 1E) Mention ANY TWO functions of large intestine. (2)
- 1F) Mention any TWO functions of WBC. (2)
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- 2A) Describe the regulation of growth hormone secretion in the form of a flow chart. (3)
- 2B) Mention the types of hypoxia with examples. (3)
- 2C) Draw a neat labeled diagram of the stretch reflex. (3)
- 2D) Mention the total body water as percentage of body weight and its distribution. (3)
- 2E) Explain the sequence of events of neuromuscular transmission in skeletal muscle in the form of a flow chart. (3)
- 2F) Explain the process of spermatogenesis in the form of a flow chart. (3)
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- 3A) Mention the normal value of blood pressure in adults. Describe the baroreceptor reflex mechanism for blood pressure regulation. (3)
(1+4 = 5 marks)
- 3B) Tabulate the differences between features of 'upper motor neuron lesion' and 'lower motor neuron lesion'. (3)

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