

Question Paper

Exam Date & Time: 26-Sep-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER BOT / B.Sc. PFT / BPT/ B.Sc. OPTOM. / B.Sc. CVT /B.Sc. RT /B.Sc. MIT /B.Sc. RRT&DT / B.Sc. EMT / B.Sc. AOTT / B.Sc. MLT / B.Sc. NMT DEGREE EXAMINATION - SEPTEMBER 2022
SUBJECT: PHY1201 - PHYSIOLOGY - II
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

**All questions are compulsory. Write brief, clear and legible answers.
Illustrate your answers with diagrams and flow charts wherever appropriate.**

- 1) Describe the actions of cortisol. Describe the regulation of cortisol in the form of a flow chart. (10)
Mention any TWO clinical features of Cushing's syndrome.
(5+3+2 = 10 marks)
- 2) Name the sensations carried by the dorsal column tract. Explain the origin, course and termination of dorsal column tract with the help of a labelled diagram. Describe the property of 'adaptation' of sensory receptors. (10)
(2+6+2 = 10 marks)
- 3A) Explain the actions of testosterone. (5)
- 3B) Describe the formation and functions of CSF. (5)
(2+3 = 5 marks)
- 3C) Describe the mechanism of glucose reabsorption in the renal tubules. (5)
- 3D) Give the composition of pancreatic juice. Explain the regulation of secretion of pancreatic juice. (5)
(2+3 = 5 marks)
- 4A) List the functions of large intestine. (2)
- 4B) Enumerate Any TWO functions of Basal ganglia. (2)
- 4C) Draw a reflex arc and label its parts. (2)
- 4D) List the functions of skin. (2)
- 4E) List the differences between Dwarfism and Acromegaly. (2)

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