

Question Paper

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



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER B.Sc. (RESPIRATORY THERAPY) DEGREE EXAMINATION - SEPTEMBER 2022
SUBJECT: PHYS 102 - PHYSIOLOGY - II
(2016RV SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

1. Long Essay :

- 1A) Mention the hormones of anterior pituitary and posterior pituitary. Briefly explain actions of any TWO of these hormones. (10)
(4+6 = 10 marks)
- 1B) Draw and label the corticospinal tract and mention the functions of corticospinal tract. List three differences between UMNL and LMNL. (10)
(5+2+3 = 10 marks)

Answer all the questions.

2. Write briefly on :

- 2A) Describe the ovarian and endometrial changes during a normal menstrual cycle. (5)
- 2B) State the normal plasma calcium level. Name any TWO hormones that regulate plasma calcium level. Mention TWO actions of any ONE. (5)
(1+2+2 = 5 marks)
- 2C) Explain the functions of testosterone. (5)
- 2D) List TWO components of pancreatic juice. Describe regulation of secretion of pancreatic juice (5)
(2+3 = 5 marks)

3. Short notes :

- 3A) Name TWO contraceptive methods in males. (2)
- 3B) Enumerate any TWO features of myxedema. (2)
- 3C) List any TWO differences between diabetes mellitus and diabetes insipidus (2)
- 3D) What is stereognosis? Name the tract carry this sensation. (2)
- 3E) Name the different types of intestinal movements. (2)

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