

Question Paper

Exam Date & Time: 20-Nov-2018 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

INTERNATIONAL CENTRE FOR APPLIED SCIENCES END SEMESTER THEORY EXAMINATION - NOV 2018 III SEMESTER B. Sc. (Applied Sciences) in Engg. ANATOMY AND PHYSIOLOGY [IBM 231 - S2]

Marks: 100

Duration: 180 mins.

Answer 5 out of 8 questions.

- 1) List the difference between thin and thick skin. (10)
 - A)
 - B)
- 2) Classify the bones with one example for each. (10)
- 2) Name all the cranial nerves with one function for each. (10)
 - A)
 - B)
- 3) Describe CSF (Cerebrospinal fluid) absorptions & circulations. (10)
- 3) Write a note on (20)
 - A) Left kidney
 - B) Right atrium
 - C) Skeletal muscle
 - D) Fallopian tube (5x4)
- 4) Explain the stomach under following headings (20)
 - A) Location & External features
 - B) Parts
 - C) Relations
 - D) Lymphatic drainage (5x4)
- 5) Enumerate the functions of RBC and classify anemia. (12)
 - A) Discuss any one.
 - B) What are the forms in which carbon dioxide is transported? (8)
Mention any one.
- 6) Draw a neat labelled diagram of Neuro Muscular Junction (NMJ). Mention events in Neuro Muscular transmission. (12)
 - A)
 - B) Write briefly on Isotonic and Isometric contraction in (8)

skeletal muscles.

- 7) Classify Chemoreceptors. Where are they located? What is their role in regulation of respiration? (12)
- A)
- B) Write briefly on "Surfactant". (8)
- 8) Name errors of refraction and how they are corrected? (12)
- A)
- B) Name the lobes of cerebral cortex. Mention one function of each. (8)

-----End-----