

# Question Paper

Exam Date & Time: 11-Feb-2020 (02:00 PM - 04:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER B.O.T./ B.Sc. M.L.T./ B.Sc. P.F.T./ B. Sc. E.M.T./B.Sc. E.S.S./ B.Sc. N.M.T./B. Opt./ B.Sc. H.I.M./ BPT/  
B.Sc. M.R.T./B.Sc. C.V.T./B.Sc. R.T./ B.Sc. M.I.T./B.Sc. RRT&DT/ M.Sc. M.R.P. DEGREE EXAMINATION - FEBRUARY  
2020

SUBJECT: ANAT 103/ANAT 101 - ANATOMY-II/ANATOMY  
(2016 RV/2018/2019 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Name the parts of the gastro-intestinal tract. Describe the anal canal in detail. (10)  
(4+6 = 10 marks)
- 2) Name the parts of the respiratory tract. Describe the pharynx in detail. (10)  
(4+6 = 10 marks)

3. Short notes:

- 3A) Right atrium of heart (5)
- 3B) Kidneys (5)
- 3C) Testis (5)
- 3D) Medulla oblongata (5)

4. Short answers:

- 4A) Classification (types) of bones (2)
- 4B) Uterus (2)
- 4C) Eyeball (2)
- 4D) Pituitary gland (2)
- 4E) Pyramidal (cortico-spinal) tract (2)

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# Question Paper

Exam Date & Time: 13-Feb-2020 (02:00 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER B.Sc. (RRT & DT) DEGREE EXAMINATION - FEBRUARY 2020  
SUBJECT: BDT 101 - KIDNEY DISEASE - I  
(2016 RV SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Define chronic kidney disease. Explain the causes, classification and management. (20)
- 2) Explain the anatomy of functional unit of kidney with neat labelled diagram. (20)
- 3) Explain vitamin D pathway and its importance. (10)
- 4) What is acute kidney injury? Explain causes of acute kidney injury. (10)
- 5A) Explain renal pyramid. (5)
- 5B) Write a note on proximal convoluted tubule. (5)
- 5C) Write a note on urine characteristics. (5)
- 5D) Discuss living kidney donor transplantation. (5)
- 5E) Describe renal vasculature. (5)
- 5F) Explain filtration process during urine formation. (5)
- 6A) What is polyuria? (2)
- 6B) Write any two differences between extracellular fluid and intracellular fluid. (2)
- 6C) Name the specialized cells of collecting tubule. (2)
- 6D) What are the indications for kidney transplantation? (2)
- 6E) List the steps of peritoneal dialysis. (2)

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