

Question Paper

Exam Date & Time: 20-Apr-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER BPT / BOT / BSc. MIT / BRTT / BSc. RRT & DT / BAOTT / BSc. RT / BSc. PFT / BSc. CVT DEGREE
EXAMINATION - APRIL 2022
SUBJECT: PATH 201 - PATHOLOGY
(2016 /2016 RV/ 2019 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1A) Define and classify hypertension. Describe the effects of hypertension on various organs. (5)
(2+3 = 5 marks)
- 1B) Describe the causes and clinical features of cardiac failure. (5)
- 2A) Define anaemia. Describe the aetiology and clinical features of megaloblastic anaemia. (5)
(1+4 = 5 marks)
- 2B) Describe the clinical features, blood picture and chromosomal abnormality of chronic myeloid leukaemia. (5)
(2+2+1 = 5 marks)

3. Write short notes on:

- 3A) Fracture healing. (5)
- 3B) Cerebrovascular disease. (5)
- 3C) Differences between benign and malignant tumours with examples. (5)
- 3D) Bronchial asthma. (5)

4. List the following:

- 4A) Cellular events of acute inflammation. (2)
- 4B) The fate of a thrombus. (2)
- 4C) The types of necrosis. (2)
- 4D) Any two types of jaundice with examples. (2)
- 4E) Two examples each of nephritic and nephrotic syndrome. (2)

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THIRD SEMESTER BSc. HIM / BACHELOR OF OPTOMETRY DEGREE EXAMINATION - APRIL 2022
SUBJECT: PATH 203 - PATHOLOGY
(2016 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Classify anaemia. Describe the clinical and laboratory features of megaloblastic anaemia. List the causes of vitamin B12 deficiency. (10)
(3+2+3+2 = 10 marks)
- 2A) Define thrombosis. Describe the factors affecting thrombosis. (5)
(2+3 = 5 marks)
- 2B) Define embolism. Explain three types of embolism with examples of each. (5)
(2+3 = 5 marks)
- 3A) In a tabular format differentiate between benign and malignant tumours. (5)
- 3B) Define hypertrophy, atrophy, hyperplasia, metaplasia and dysplasia with an example of each. (5)

3C. Write short notes on:

- i) Tuberculosis. (5)
- ii) Idiopathic thrombocytopenic purpura. (5)
- 4A) Enlist the factors influencing wound healing. (2)
- 4B) Enlist the various routes of metastasis with examples of each. (2)
- 4C) Name the cellular events in acute inflammation. (2)
- 4D) Mention four clinical features of acute leukaemia. (2)
- 4E) List two X linked recessive disorders. (2)

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