

Question Paper

Exam Date & Time: 10-Jan-2023 (02:30 PM - 04:30 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER B.Sc. (BPT/PFT/RT/BOATT/BOT/RRT & DT/MIT) DEGREE EXAMINATION - JANUARY 2023
SUBJECT: PATH 201 - PATHOLOGY
(2016/2019 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Define granulomatous inflammation. Enlist the causes of granulomatous inflammation. List the components of a granuloma and describe its morphology. (10)
(2+2+2+4 = 10 marks)
- 2) Define thrombosis. Describe the role of various factors affecting thrombosis. List the causes of arterial and venous thrombosis. (10)
(2+5+3 = 10 marks)
3. Write short notes on:
 - 3A) Morphology of primary and secondary tuberculosis. (5)
 - 3B) Process of fracture healing. (5)
 - 3C) Characteristic features of malignant tumours. (5)
 - 3D) Clinical and laboratory features of megaloblastic anaemia. (5)
- 4A) Define karyotyping. (2)
- 4B) Define nephrotic syndrome. (2)
- 4C) List any FOUR complications of diabetes mellitus. (2)
- 4D) Enlist the types of emphysema. (2)
- 4E) Define atherosclerosis. (2)

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MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER B.Sc. HEALTH INFORMATION MANAGEMENT / BACHELOR OF OPTOMETRY DEGREE
EXAMINATION - JANUARY 2023
SUBJECT: PATH 203 - PATHOLOGY
(2016 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Define neoplasia. Write any five differences between benign and malignant tumours. With the help of a suitable diagram explain the metastatic cascade. (10)
(1+5+4 = 10 marks)
- 2) Define and classify anaemia. Describe the clinical features and laboratory diagnosis of thalassemia. (10)
(5+5 = 10 marks)
- 3A) In a tabular format, differentiate between Klinefelter's & Down's syndrome. (5)
- 3B) What are the beneficial and harmful effects of acute inflammation? Enumerate the sequelae of acute inflammation. (5)
(4+1 = 5 marks)
- 3C) Define leukaemia. Briefly outline the clinical features and laboratory investigations of acute myeloid leukaemia. (5)
(1+4 = 5 marks)
- 3D) Enlist the causes for granulomatous inflammation. Describe a granuloma with a neat labelled diagram. (5)
(3+2 = 5 marks)
- 4A) List the components of Virchow's triad. (2)
- 4B) List four different types of necrosis. (2)
- 4C) List four clinical features of bleeding disorders. (2)
- 4D) List 4 types of embolism. (2)
- 4E) List the factors influencing wound healing. (2)

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