

2025

SKILL ENHANCEMENT COURSE

Course Name : Introduction to Pathology

Course Code : MDT-SEC-1013

Full Marks : 30

Time : 1½ Hours

The figures in the margin indicate full marks for the questions.

1. Fill in the blanks : 1x5=5
 - a) The most abundant type of white blood cell is
 - b) is a common fluid examined in cases of infection or inflammation.
 - c) The most common cause of cell injury is
 - d) Programmed cell death is known as
 - e) Benedict's test is used to detect in urine.
2. Answer **any five** from the following questions : 2x5=5
 - a) What do you mean by extramedullary haematopoiesis ?
 - b) What are the features of microcytic hypochromic anaemia ?
 - c) What is the purpose of using a tourniquet during blood collection ?
 - d) What is the difference between absolute and relative leukocyte counts ?
 - e) Write short note on irreversible cell injury.
 - f) How is ascitic fluid obtain for examination ?
 - g) Name two urine preservatives.
3. Answer **any three** from the following questions : 5x3=15
 - a) What is the principle of ABO & Rh blood typing ? How will you interpret ABO & Rh blood types ? 2+3
 - b) Write down the roles of platelets in haemostasis.

(Turn over)

- c) Describe the morphological classification of anaemia and provide examples of each type.
- d) How will you carry out physical examination of urine ?
- e) Explain in details about intrinsic and extrinsic pathway of blood coagulation.

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