

## Instructions:

- 1) All questions are compulsory
- 2) MCQ question paper should be conducted and completed in first 30 min.
- 3) Fill (dark) the appropriate empty circle against the question number once only.
- 4) Use blue/black ball point pen only.
- 5) Each MCQ carries half mark.
- 6) Students will not be allotted mark if he/she overwrites/ strikes or put white ink on the cross once marked on MCQ.

Time : 30 Minutes

Maximum Marks : 8

16 X ½ = 8

Q. 1

Total MCQs : 16

- 1 Metastatic calcification is seen in all except :  
a. Hyperparathyroidism b. Milk-alkali syndrome ~~c. Atheroma~~ ✓ d. Multiple myeloma
- 2 Coagulative necrosis may be seen in all of the following except :  
a. Myocardial infarction ~~b. Tuberculosis lung~~ ✓ c. Thermal injury d. Bone marrow necrosis
- 3 Apoptosis is inhibited by :  
a. p53 b. N-myc c. Ras ~~d. Bcl2~~ ✓
- 4 The brown pigment seen in heart cell in atrophy is:  
a. Haemosiderin b. Haemozoin c. Chromogranin ~~d. Lipofuscin~~ ✓
- 5 Autolysis refers to cell death due to :  
a. Lysosomal enzymes b. Lysosomal enzymes of macrophages ~~c. Lysosomal enzymes of the same cell~~ ✓ d. Release of cytokines
- 6 Hypertrophy is type of :  
a. Cell injury ~~b. Cellular adaptation~~ ✓ c. Carcinoma d. Cell aging
- 7 The term "Apoptosis" means :  
a. Atrophy b. Necrosis ~~c. Programmed cell death in physiological~~ ✓ d. Adaptation of cell to injury & Pathological processes
- 8 Hyperplasia means :  
a. Increase in the size of cell only b. Decrease in the number of cells in an organ in tissue c. Difference in size and shape of cells ~~d. Increase in the number of cells in an organ or tissue~~ ✓
- 9 All are features of severe aplastic anaemia except :  
a. Pancytopenia b. Dry tap on marrow aspiration ~~c. Reticulocyte count is high~~ ✓ d. A stem cell disorder
- 10 The best test for iron stores is :  
a. Serum iron level b. Serum ferritin ~~c. Bone marrow iron~~ ✓ d. Haemoglobin
- 11 Spherocytosis in blood smear is seen in all except :  
a. Hereditary spherocytosis b. Autoimmune haemolytic anaemia ~~c. Thalassemia major~~ ✓ d. Haemolytic disease of newborn
- 12 All are features of haemolytic anaemia except :  
a. RBC life span ~~b. Unconjugated hyperbilirubinaemia~~ ✓ c. Heptaglobin ~~d. urobilinogen in urine~~ ✓
- 13 Howell Jolly bodies in red blood cells are seen in :  
~~a. Hereditary spherocytosis~~ ✓ b. Lead poisoning ~~c. Post splenectomy~~ ✓ d. Iron deficiency anaemia
- 14 HbH inclusions in red blood cells are seen in :  
a. Thalassemia minor b. Hereditary spherocytosis ~~c. Alpha thalassemia~~ ✓ d. Thalassemia major