

[MBBS 0325]

MARCH 2025

Sub. Code :6063

M.B.B.S. DEGREE EXAMINATIONS

(For the candidates admitted from the Academic Year 2019-2020)

SECOND PROFESSIONAL – SUPPLEMENTARY - (CBME)

PAPER I – PATHOLOGY

Q.P. Code: 526063

Time: 20 Minutes

Maximum : 20 Marks

Answer All Questions

Shade the correct answer with Black of Blue ink ball point pen

SET – B

III. Multiple Choice Questions:

(20 x 1 = 20)

1. Structure of DNA of the cell was described by
 - A) Watson and Crick
 - B) Tijo and Levan
 - C) Ruska and Lorries
 - D) Barbara McClintock
2. Frozen section is employed for the following purposes except
 - A) Fat demonstration
 - B) Amyloid
 - C) Rapid diagnosis
 - D) Enzymes
3. Tissues for electron microscopy are fixed in
 - A) Carnoy's fixative
 - B) 10% buffered formalin
 - C) Saline
 - D) 4% Glutaraldehyde
4. Actin and myosin proteins are found in
 - A) Microtubules
 - B) Microfilaments
 - C) Intermediate filaments
 - D) Ribosomes
5. Out of various free radical species, the following radical is most reactive
 - A) Superoxide
 - B) Hydrogen peroxide
 - C) Hydroxyl
 - D) Nitric oxide
6. In fatty liver due to chronic alcoholism, the following mechanisms are involved except
 - A) Increased free fatty acid synthesis
 - B) Decreased triglyceride utilization
 - C) Increased alpha-glycerophosphate
 - D) Block in lipoprotein excretion
7. The following pigments are stainable by Prussian blue reaction except
 - A) Hemosiderin
 - B) Ferritin
 - C) Haemitin
 - D) Haemochromatosis
8. Enzymatic digestion is the predominant event in the following type of necrosis
 - A) Coagulative necrosis
 - B) Liquefactive necrosis
 - C) Caseous necrosis
 - D) Fat necrosis
9. Idiopathic calcinosis cutis is an example of
 - A) Necrotising inflammation
 - B) Dystrophic calcification
 - C) Metastatic calcification
 - D) Calcified thrombi in veins
10. In atrophy the cells are
 - A) Dead cells
 - B) Shrunken cells
 - C) Irreversibly injured cells
 - D) Reversibly injured cells

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11. Which of the following gene is proapoptotic
A) p53 B) Bcl2 C) RB D) Bax
12. Transplantation antigens are located on portion of
A) Chromosome 1 B) Chromosome 6 C) Chromosome 9 D) Chromosome 22
13. Transudate differs from exudate in having the following except
A) No inflammatory cells B) Low glucose content
C) Low protein content D) Low specific gravity
14. Which of the complement component act as chemokines
A) C3b B) C4b C) C5a D) C4a
15. Prion proteins are implicated in the etiology of
A) Spongiform encephalopathy B) Viral encephalitis
C) Perivenous encephalomyelitis D) progressive multifocal leukoencephalopathy
16. Important cyclins in cell cycle include the following except
A) Cyclin A B) Cyclin B C) Cyclin C D) Cyclin D
17. Weight of hemoglobin in RBC is
A) 50% B) 70% C) 90% D) 99%
18. Red cell membrane defects include the following except
A) Spherocytosis B) Ovalocytosis C) Leptocytosis D) Echinocytosis
19. For manifesting bleeding in haemophilia, the activity of factor VIII is generally
A) More than 75% B) 50-75% C) 25-50% D) below 25%
20. ABO human blood group system was first described by
A) Edward Jenner B) Karl Landsteiner C) Hippocrates D) Laennec

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