

Dr. . MEDICAL**[MBBS 0725]****JULY 2025****Sub. Code :6063****M.B.B.S. DEGREE EXAMINATION****(For the candidates admitted from the Academic Year 2019-2020)****SECOND PROFESSIONAL – (CBME)****PAPER I – PATHOLOGY*****Q.P. Code: 526063*****Time: 20 Minutes****Maximum : 20 Marks****Answer All Questions****Shade the correct answer with Black or Blue ink ball point pen****SET – A****III. Multiple Choice Questions:****(20 x 1 = 20)**

1. For counting of CD4+T cells in AIDS the following technique is often employed
A) In situ hybridization B) Polymerase chain reaction
C) Flow cytometry D) Electron microscopy
2. Formation of granuloma is
A) Type I hypersensitivity reaction B) Type II hypersensitivity reaction
C) Type III hypersensitivity reaction D) Type IV hypersensitivity reaction
3. The following hereditary diseases have higher incidence of cancers due to inherited defect in DNA repair mechanism except
A) Ataxia telangiectasia B) Xeroderma pigmentosum
C) Familial polyposis coli D) Bloom's syndrome
4. Which of the following is a test for mutagenicity
A) Kveim's test B) Ame's test C) Schilling test D) Mantoux test
5. All of the following are X-linked recessive disorders except
A) Hemophilia A and B B) Chronic granulomatous disease
C) G6PD deficiency D) Sickle cell anemia
6. In hereditary spherocytosis the following membrane structure is deficient
A) Band 3 protein B) Glycophorin C) Spectrin D) Glycolipid
7. The precipitated gamma chains of hemoglobin are known as
A) Heinz bodies B) Pappenheimer bodies C) Hb Barts D) Russel bodies
8. Bombay blood group is characterized by
A) Absence of A gene B) Absence of B gene
C) Absence of both A and B genes D) Absence of H gene
9. Leukocyte alkaline phosphatase scores are elevated in
A) AML B) CML C) Myeloid metaplasia D) Myeloid leukemoid reaction

10. Chikungunya is transmitted to humans by
A) Aedes B) Anopheles C) Culex D) Tick
11. All are autosomal dominant inherited cancer syndromes except
A) Retinoblastoma B) Xeroderma pigmentosum
C) HNPCC D) Neurofibromatosis
12. Out of the following glycogenosis the following is a example of lysosomal storage disease
A) Vongierke's disease B) Pompe's disease
C) Forbe's disease D) Anderson's disease
13. In paroxysmal nocturnal hemoglobinuria the undue sensitivity of red cells to complement can be detected by
A) Ham's test B) Heinz body test
C) Direct Coomb's test D) Indirect Coomb's test
14. Erythropoietin is produced by
A) Liver B) Lungs C) Bone marrow D) Kidney
15. Bernard Soulier syndrome is a defect in
A) Platelet aggregation B) Platelet adhesion
C) Platelet release reaction D) Platelet morphology
16. The most common site for hydatid cyst is
A) Liver B) Lungs C) Spleen D) Brain
17. In karyotyping the dividing cells are arrested by addition of colchicine in the following mitotic phase
A) Prophase B) Metaphase C) Anaphase D) Telophase
18. Basement membrane consists of
A) Type I collagen B) Type II collagen
C) Type III collagen D) Type IV collagen
19. EBV is associated with
A) X-linked agammaglobulinemia B) Nasopharyngeal carcinoma
C) Leukemia D) Melanoma
20. HbH disease is caused by deletion of
A) One alpha globin gene B) Two alpha globin gene
C) Three alpha globin gene D) Four alpha globin gene

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