

ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY, LUCKNOW**MBBS DEGREE - IInd PROFESSIONAL - REGULAR EXAMINATION - MARCH-2024****PATHOLOGY - PAPER - I****SECTION A - Multiple Choice Questions (MCQs)**

PAPER CODE : 2411130004

SET : C

Note: Choose one correct answer in the OMR sheet provided. No overwriting should be done.

Time: 20 Minutes

(20 x 1 = 20 MARKS)

1. Smith antigen (Sm) is associated with:
 - a) Systemic sclerosis
 - b) Systemic lupus erythematosus
 - c) Sjogren syndrome
 - d) Rheumatoid arthritis
2. The major fibril protein associated with hemodialysis associated amyloidosis is:
 - a) A β 2m
 - b) ATTR
 - c) AA
 - d) AL
3. Mutation in β globin gene is seen in:
 - a) Sickle cell anemia
 - b) Hereditary spherocytosis
 - c) Thalassemia
 - d) Polycythemia
4. In Marfan syndrome the defect is in:
 - a) Collagen type II
 - b) Collagen type III
 - c) Fibrillin I
 - d) Fibrillin II
5. White infarcts occur in:
 - a) Small intestine
 - b) Oesophagus
 - c) Lung
 - d) Kidney

6. Touton giant cells are seen in:
- a) Leprosy
 - b) Syphilis
 - c) Sarcoidosis
 - d) Xanthogranuloma
7. All of the following are tumor suppressor genes except:
- a) pRB
 - b) BCL2
 - c) p53
 - d) BRCA1
8. HIV replication results in:
- a) Decreased count of CD8+ T cells
 - b) Increased count of CD8+ T cells
 - c) Decreased count of CD4+ T cells
 - d) Increased count of CD4+ T cells
9. A tumour is called clonal, when the incurred genetic damage is in:
- a) Stem cells
 - b) Heterogenous cells
 - c) Single precursor cell
 - d) Multiple precursor cell
10. Which of these diseases listed is an X-linked disorder:
- a) Haemophilia A
 - b) Polycystic kidney disease
 - c) Neurofibromatosis
 - d) Cystic fibrosis
11. Tay-Sach's disease caused by inability to metabolise:
- a) Sphingolipids
 - b) Lipoproteins
 - c) Glycolipids
 - d) Gangliosides
12. Hyperacute graft rejection is an example of this type of hypersensitivity reaction:
- a) Type III
 - b) Type IV
 - c) Type I
 - d) Type II

13. Effector white blood cells of the innate immune system are:

- a) Lymphocytes
- b) NK cells
- c) Dendritic cells
- d) Neutrophils

14. Red cell distribution width (RDW) is used for estimation of:

- a) Chromasia
- b) Hemolysis
- c) Poikilocytosis
- d) Anisocytosis

15. Sickle cell trait protects against:

- a) Trypanosomiasis
- b) Leishmaniasis
- c) Filariasis
- d) Malaria

16. Trisomy 13 is defined as:

- a) Cri du chat syndrome
- b) Patau syndrome
- c) Edward syndrome
- d) Klinefelter syndrome

17. Which variant of Hodgkin's lymphoma has best prognosis:

- a) Mixed cellularity
- b) Nodular sclerosis
- c) Lymphocyte predominant
- d) Lymphocyte depleted

18. EBV is associated with:

- a) Hepatocellular carcinoma
- b) Carcinoma colon
- c) Nasopharyngeal carcinoma
- d) Esophageal carcinoma

19. The combination of HLA allele in each individual is called:

- a) Diplotype
- b) Tetratype
- c) Prototype
- d) Haplotype

20. Chronic granulomatous inflammation is seen in:

- a) Sarcoidosis
- b) Pneumonia
- c) Diphtheria
- d) Typhoid

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