

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[MBBS 0224]

FEBRUARY 2024

Sub. Code : 6063

**M.B.B.S. DEGREE EXAMINATION**

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

**SECOND PROFESSIONAL YEAR – (CBME)****PAPER I – PATHOLOGY***Q.P. Code: 526063***Time: 30 Minutes****Maximum : 20 Marks****Answer All Questions**

**Choose one correct answer in the box provided in the Answer Script.  
No overwriting should be done. Choice should be given in Capital Letters.**

**III. Multiple Choice Questions:****(20 x 1 = 20)**

- Pap smear used for screening of Carcinoma of cervix is  
A) Fine needle aspiration cytology                      B) Fluid cytology  
C) Exfoliative cytology                                      D) Immunocytochemistry
- The technique which detects multiple cellular antigens on an individual cell simultaneously  
A) Immunohistochemistry                                  B) Immunocytochemistry  
C) Flow cytometry    D) Frozen section
- CASPASES involved in execution pathway  
A) CASPASE 8      B) CASPASE 9      C) CASPASE 5      D) CASPASE 6
- Chronic granulomatous inflammation is seen in  
A) Sarcoidosis      B) Diphtheria      C) Typhoid      D) Atherosclerosis
- The cell involved in allergies and parasitic infections  
A) Lymphocytes      B) Monocytes      C) Eosinophils      D) Plasma cells
- The primary function of the following gene is to promote Epithelial Mesenchymal Transition (EMT)  
A) P53                      B) TWIST                      C) APC                      D) CEA
- Colour of group sera 'B'  
A) Blue                      B) Yellow                      C) Red                      D) Colourless
- Mantle cell lymphoma is commonly associated with the following translocation  
A) t(11:14)                      B) t(14:18)                      C) t(9:22)                      D) t(8:14)
- Red cell distribution width (RDW) is used for estimation of  
A) Poikilocytosis      B) Anisocytosis      C) Hypochromasia      D) Macrocytosis

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10. If the patient is on parenteral heparin therapy the following test is used to monitor the administration
- A) Whole blood coagulation time      B) Prothrombin time  
C) Thrombin time                          D) Activated Partial Thromboplastin time
11. Eosinophils are activated by
- A) IL-1    B) IL-4    C) IL-5    D) IL-6
12. D-Dimer is the most sensitive diagnostic test for
- A) Pulmonary embolism                      B) Acute pulmonary Oedema  
C) Cardiac tamponade                        D) Acute myocardial infarction
13. Trisomy 13 is identified as
- A) Edward syndrome                        B) Patau syndrome  
C) Down syndrome                          D) Klinefelter syndrome
14. In Marfan syndrome the defect is in
- A) Fibrillin I                                    B) Fibrillin II                                    C) Collagen                                    D) Elastin
15. Hamartoma is
- A) Proliferation of cells in foreign site      B) Proliferation of native cells in tissue  
C) Malignant conditions                      D) Acquired conditions
16. Sure sign of malignancy is
- A) Metastasis                                  B) Hyperplasia                                  C) Metaplasia                                  D) Hypertrophy
17. Krukenberg tumour is associated with which malignancy
- A) Stomach                                      B) Liver    C) Pancreas                                      D) Kidney
18. Acute graft rejection occurs within
- A) 3 minute                                      B) 3 hours                                        C) 3 days                                        D) 3 months
19. LE cell phenomenon is seen in
- A) Lymphocyte                                  B) Monocyte                                      C) Neutrophils                                    D) Eosinophils
20. Anaemia in humans can be caused by which of the following worms
- A) Round worm                                  B) Hook worm                                  C) Tape worm                                  D) Pork worm

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