



Date of issue : Centre :
 Sup. Sign. : Seat No. :

NC-2106000102010101-O

Second Year M. B. B. S. Examination

January - 2022

Pathology : Paper-I

(CBME New Course)

Time : 20 Minutes]

[Total Marks : 20

Instruction :

નીચે દર્શાવેલ નિર્દેશોનું ચિત્રો ઉપરવર્તી પર મહત્વ જમાવો. Fillup strictly the details of signs on your answer book. Name of the Examination : Second Year M. B. B. S. Name of the Subject : Pathology : Paper-I Section No. (1, 2,) : 1 Subject Code No. : 2 1 0 6 0 0 0 1 0 2 0 1 0 1 0 1	Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Student's Signature
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SECTION - I'

1 Multiple choice questions. (*no negative markings) **20**

Instruction- Encircle the correct answer

(1) Thromboxane A₂ plays a role in inflammation by causing:

- (a) Transmigration of leucocytes
- (b) Vasoconstriction
- (c) Opsonization
- (d) Chemotaxis

(2) Which of the following does not have Chemotaxis action:

- (a) C_{5a}
- (b) Prostaglandins
- (c) IL-8
- (d) Leulcotriene B 4

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[Contd...

- (3) Which investigation is most helpful for molecular analysis to identify gene alteration:
- Immunohistochemistry
 - Florescence in situ hybridization
 - Flow cytometry
 - Tumor markers
- (4) Edema of nephrotic syndrome is due to:
- Increased hydrostatic pressure
 - Decreased plasma osmotic pressure
 - Lymphatic obstruction
 - Increased plasma osmotic pressure
- (5) The process of wound repair shows the following Except:
- Neovascularization
 - Necrosis
 - Fibroblast
 - Synthesis of extracellular matrix
- (6) A ten years old boy presented with tenderness in right iliac fossa for the last 2 days, with fever. The predominant cells infiltrating his excised appendix will be:
- Neutrophils
 - Eosinophils
 - Macrophages
 - Plasma cells
- (7) Caisson disease is due to:
- Fat embolism
 - Thromboembolism
 - Air embolism
 - Amniotic fluid embolism
- (8) Anticoagulant suitable for storing blood for transfusion is:
- Heparin, dextrose and citrate
 - Phosphate, dextrose and citrate
 - EDTA, dextrose and saline
 - Oxalate, phosphate and glucose

- (9) An adolescent girl gives history of repeated painful pustules on face with exudation of pus. The pathogenesis of disease is:
- (a) Acute inflammation (b) Chronic inflammation
(c) Sunburn (d) Cosmetics allergy
- (10) All of the following are responsible for a low value of glucose: CSF Except:
- (a) Leucocytes (b) Bacteria
(c) Neoplastic cells (d) Herpes virus
- (11) Pleural effusion rich in protein concentration occurs in :
- (a) Cardiac failure (b) Myxedema
(c) Lung Carcinoma (d) Pulmonary Infarction
- (12) Labile cells include the following Except:
- (a) Hemopoietic cells
(b) Surface epithelial cells of skin
(c) Cells of lymph nodes
(d) Parenchymal cells of liver
- (13) Pulmonary edema is encountered in:
- (a) Right ventricular failure
(b) Left ventricular failure
(c) Hepatic failure
(d) High fever
- (14) Apoptosis occurs in the following Except:
- (a) Embryogenesis (b) Aging
(c) Menstrual cycle (d) Hyperplasia
- (15) Metastatic calcification occurs in which of the following conditions :
- (a) Hyperparathyroidism
(b) Tuberculous lymphadenitis
(c) Nodular Goitre
(d) Atherosclerosis

- (16) Nut meg liver is seen in:
- (a) Cirrhosis of liver
 - (b) Chronic passive congestion of liver
 - (c) Hepatoma
 - (d) Fatty liver
- (17) Which of the following blood components has the shortest shelf life:
- (a) Red Blood cells
 - (b) Platelets
 - (c) Fresh frozen Plasma
 - (d) Cryoprecipitate
- (18) Helper function is a feature of :
- (a) T_4 lymphocytes
 - (b) T_8 lymphocytes
 - (c) Macrophages
 - (d) Natural killer cells
- (19) Amyloidosis in long term hemodialysis is due to:
- (a) Transthyretin
 - (b) B_2 microglobulin
 - (c) Amyloid associated protein
 - (d) B amyloid protein
- (20) The major compatibility test before blood transfusion of cross-matching of:
- (a) Donor's red cells and recipients serum
 - (b) Donor's serum and recipients red cells
 - (c) Donor's serum and recipients serum
 - (d) Donor's red cells and recipients red cells