

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
B.Sc(ALLIED HEALTH SCIENCES) & M.Sc(Integrated Programs in
Cardiac Technology) DEGREE EXAMINATIONS - February 2020

Second Semester
PATHOLOGY

Three Hours

Maximum: 75 marks

SECTION - A

I. Choose the Best Answer :

(10 x 1 = 10)

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. Tissues for electron microscopy are fixed in:
A. Carnoy's fixative
B. 10% buffered formalin
C. Saline
D. 4% glutaraldehyde
3. Idiopathic calcinosis cutis is an example of:
A. Necrotising inflammation
B. Dystrophic calcification
C. Metastatic calcification
D. Calcified thrombi in veins
4. 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
5. Which of the following is a type of non-tuberculous mycobacteria?
A. Mycobacterium microti
B. Mycobacterium canetti
C. Mycobacterium africanum
D. Mycobacterium ulcerans
6. The causative organisms of plague are:
A. Cocci
B. Bacilli
C. Coccobacilli
D. Nocardia

(p.t.o)

7. Increased number of normal mitoses may be present in the following tissues except:
 - A. Bone marrow cells
 - B. Nails
 - C. Hepatocytes
 - D. Intestinal epithelium
8. Chronic ITP is characterised by the following features except:
 - A. Splenomegaly
 - B. Reduced platelet lifespan
 - C. Reduced number of megakaryocytes in the bone marrow
 - D. Demonstration of anti-platelet IgG antibody
9. Basophils are increased in:
 - A. Bronchial asthma
 - B. CML
 - C. Angioneurotic oedema
 - D. Corticosteroid therapy
10. Anitschkow cells are believed to be derivative of:
 - A. Cardiac myocyte
 - B. Cardiac histiocyte
 - C. Endocardial smooth muscle cells
 - D. Endothelial cells of lymphatics

II. Write Short Answers on any FIVE of the following:

(5 x 5 = 25)

11. Congestion, hyperemia
12. Ischemia and infarction
13. Embolism
14. Brief concept about obstructive uropathy.
15. Edema
16. Shock
17. Hemopoiesis, structure

III. Write Short Essays on any TWO of the following:

(2 x 10 = 20)

18. Pathophysiology of Heart failure.
19. Briefly concept about obstructive versus restrictive pulmonary disease.
20. Pleural effusion – causes, effects and diagnosis.
21. Role of dialysis and renal transplantation in its management.

IV. Write Essays on any ONE of the following:

(1 x 20 = 20)

22. Valvular Heart diseases- causes, Pathology & complication. Complications of artificial valves.
23. Chronic obstructive airway diseases – Definition and types. Briefly causes, Pathology and complications of each type of COPD

(S.No.M22435)

