

(4)

6. Answer the following :

$\frac{1}{2} \times 8$

- (a) Name two Autosomal dominant disorders.
- (b) Mention the components of Virchow's triad.
- (c) Mention the Karyotype of Klinefelter syndrome.
- (d) Name two examples of Type III hypersensitivity reaction.
- (e) Name the Nature of Amyloid seen in Alzheimer's disease.
- (f) Lines of Zhan is seen in _____.
- (g) Name two cells where MHC II located.
- (h) Frameshift mutation occurs in which condition.

Total Number of Pages—4 2nd-MBBS—Patho.-P-I

2021

PATHOLOGY

Paper – I

Full Marks : 40

Time : 2 hours

Answer all questions

The figures in the right-hand margin indicate marks

Use separate answer sheet for each Section

Draw diagram wherever necessary

SECTION—A

1. Answer any *one* of the following :

- (a) Define inflammation. Write in detail about cellular events of acute inflammation. 1 + 3
- (b) Define Neoplasia. Discuss in brief the biology of Tumor metastasis. 1 + 3

(2)

2. Write short notes on any *four* : 3×4

- (i) Atrophy
- (ii) Dystrophic calcification
- (iii) Difference between apoptosis and necrosis
- (iv) Oxygen derived free radicals
- (v) Factors that retard wound healing.

3. Answer the following : $\frac{1}{2} \times 8$

- (a) Name two endogenous pigments.
- (b) Name two anti-apoptosis proteins.
- (c) Name two stains for demonstration of Fat.
- (d) Deficiency of which Vitamin retards wound healing ?
- (e) Name the guardian of Genome.
- (f) Presence of mature differentiated tissue in abnormal location is called _____.

(3)

(g) Name two products of Cyclo-oxygenase pathway.

(h) Tumor markers detected in which neoplasm ?

Calcitonin \longrightarrow _____

AFP \longrightarrow _____

SECTION-B

4. Answer any *one* of the following :

(a) Define shock. Describe in brief about pathophysiology of septic shock. $1 + 3$

(b) Classify Hypersensitivity reactions. Briefly describe Type IV hypersensitivity reaction. $1 + 3$

5. Write short notes (any *four*) : 3×4

(i) Natural Killer Cell

(ii) Fate of Thrombus

(iii) Down Syndrome

(iv) Infarction

(v) Brown indurations of Lung.