

Total Number of Pages—3

**II-MBBS—Biochem.-II
(Set-1)**

2019

BIOCHEMISTRY

Paper — II

Full Marks : 50

Time : 3 hours

Answer all questions

The figures in the right-hand margin indicate marks

Draw diagrams wherever necessary

- ✓ 1. Define transcription. Describe the steps of transcription in detail. 10
2. Provide classification of acid base disturbances and compensatory mechanisms. What is anion gap? Describe high anion gap metabolic acidosis and normal anion gap metabolic acidosis. 4 + 2 + 4

(Turn Over)

(2)

3. Write short notes on the following 5×5

(i) Lesch-Nyhan syndrome

(ii) Lac operon

(iii) Cryoglobulinemia

(iv) Oncogenes

(v) Refsum's disease.

4. Fill in the blanks :

1×5

(a) Abnormal protein found in multiple myeloma which can be detected in urine is _____

(b) This pathway ensures recycling of purines formed by degradation of nucleotides _____

(c) Sum of all proteins expressed by genome of organism is _____

(d) DNA repair occurs in _____ phase of cell cycle.

(3)

(e) Most common type of Congenital Adrenal Hyperplasia occurs due to deficiency of _____