

**Madhya Pradesh Medical Science University (MPMSU)****1st Professional MBBS Examination****Paper Code: 18BM000010032****Winter 2018****Biochemistry Paper- II**

Time 3 Hours

Max. Marks: 50

1. All Questions are Compulsory
2. Draw diagrams whenever necessary
3. Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not to be valued.
4. Do not write anything on the blank portion of the question paper. If written anything such type of act will be considered as an attempt to resort to unfair means.

Q1. Long Answer Question**5x2=10**

1. Define nucleic acid. Discuss Briefly structure and importance of DNA
2. What is detoxication and its importance.

Q2. Short Answer Question**10x3=30**

- a. Nonsense codon
- b. Vitamin E as antioxidants
- c. Kidney function tests
- d. BMR and its role
- e. Chromatography
- f. Cancer
- g. Metabolic acidosis
- h. Transcription
- i. Jaundice



j. Dehydration

Q2. Very Short Answer Question

10x1=10

- a. how much calories are produced by 1gm of lipid
- b. LP(a)
- c. Complete protein example
- d. Free radicals of O₂
- e. Use of electrophoresis
- f. Example of competitive inhibition
- g. Marker of prostate cancer
- h. Thalassaemia
- i. GTT
- j. Zwitterion

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