

**Madhya Pradesh Medical Science University (MPMSU)****1st Professional MBBS Examination****Paper Code: 16M00B06****2016 (Supplementary)****Biochemistry Paper- II**

Time 3 Hours

Max. Marks: 50

Note: (a) Attempt all questions in the same serial order.

(b) Draw well labelled diagrams wherever necessary.

Q1. Define Nucleotides. Discuss briefly biologically important purine Nucleotide. 5

Q2. What are antibodies? Discuss the salient features of immunoglobulins 5

Q3. Write short notes on:

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|----------------------------|---|
| a) Point Mutation | 3 |
| b) Anticancer Agents | 3 |
| c) Tubular Function Test | 3 |
| d) Chloride Shift | 3 |
| e) Dehydration | 3 |
| f) Hypoalbuminemia | 3 |
| g) Kern Icterus | 3 |
| h) Balance Diet | 3 |
| i) Artificial Antioxidants | 3 |
| j) ELISA | 3 |

Q4. Write in brief:

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|---|---|
| a) Central Molecule of Acid — Base Balance is? | 1 |
| b) 1 gm of carbohydrate produces about how much calories? | 1 |
| c) Name one marker for colorectal cancer? | 1 |
| d) Application of PCR | 1 |
| e) What is Apoptosis? | 1 |
| f) What is Regan Isoenzyme. | 1 |





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|--------------------------------------|---|
| g) Factor causing Sickie Cell Anemia | 1 |
| h) Enumerate steps of heme breakdown | 1 |
| i) Structure of DNA | 1 |
| j) What are Free Radicals. | 1 |

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