


Madhya Pradesh Medical Science University, Jabalpur
MBBS 1st Professional Examination 2017 (summer)
Question Paper Code - 17AM0000100032
Biochemistry - Paper 2
Time : 3:0 Hours
Maximum Marks: 50
Note:
Instructions:

- 1) All questions are compulsory.
- 2) Draw diagrams wherever 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 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.

Q-1 Long Answer Question
2 × 5 = 10

- A) Describe the process of protein synthesis in prokaryotes. How does it differ from protein synthesis in eukaryotes?
- B) What is balanced diet? Formulate a balanced diet for moderate working vegetarian and non-vegetarian adult males of 70 kg body weight.

Q-2 Write Short Notes
10 × 3 = 30

- A) Mutation
- B) E R (Endoplasmic Reticulum)
- C) S D A
- D) t RNA
- E) Enzyme Inhibition
- F) Free radicals
- G) Cardiac Markers
- H) BMR
- I) Reverse transcription
- J) HbA1C

Q-3 Write Short Notes
10 × 1 = 10

- A) Salkowski's reaction.
- B) Renal threshold for serum calcium.
- C) Principle of Electrophoresis.
- D) Acidosis.
- E) Co-factors.
- F) RQ (Respiratory Quotient).
- G) Haemoglobin buffer.
- H) Km & its significance.
- I) Oxidative stress.
- J) ATPase.