

Madhya Pradesh Medical Science University, Jabalpur
First Year PBBSC Nursing Examination Feb - 2018 (Main)
Paper Code:- 18AN0101101851

Subject:- BIOCHEMISTRY & BIOPHYSICS

Time: 3 Hours

Maximum Marks: 75

- 1) All questions are compulsory
- 2) Attempt all question in serial order.
- 3) Illustrate your answer with well labelled diagram.

Q.No.1. (a) Define Enzyme. (2+7+6=15)
(b) Explain Chemical nature of Enzyme.
(c) Describe the factors affecting enzyme activity.

Q.No.2. (a) Write biomedical importance of lipid. (5+5+5=15)
(b) Explain metabolism during fasting and starvation
(c) Describe significance of blood cholesterol

Q.No.3. (a) Explain speed, velocity and acceleration, how they are related. (6+4=10)
(b) Give examples of accelerated motions

Q.No.4. (a) Define heat and temperature. (4+6=10)
(b) Explain the advantages of mercury as the thermometric substance.

Q.No.5. Write short notes on (Any Five) (5x5=25)

- (a) Noise pollution and its prevention.
- (b) Accuracy of measurement.
- (c) Way of transfer heat from body.
- (d) Chemical nature of enzyme.
- (e) Blood glucose and its regulation.
- (f) Functions of water
- (g) Vector