M. P. M. (Sem. II) (CBCS) Examination

August / September - 2019

Biochemistry

Faculty Code : 014

Subject Code : 1042005

Time : 3 Hours]   [Total Marks : 75

1 Answer the following questions :   10×2=20
   (a) Define : Enzyme induction and repression.
   (b) Write function of RNA.
   (c) Define the term Epimers with suitable example.
   (d) Give example of sulfur containing amino acids.
   (e) What is the composition of Benedict reagent ?
   (f) Write function of DNA in shortly.
   (g) Define : Catabolism and Anabolism.
   (h) Define : Ketoacidosis and Atherosclerosis.
   (i) Describe terminologies of Entropy and Enthalpy.
   (j) Explain the terms : Glycolysis and Gluconeogenesis.

2 Answer the following : (any two)   2×10=20
   (a) Explain Crab cycle in details.
   (b) Give explanation on Urea cycle.
   (c) Write an informative note on Enzyme inhibitors.

3 Answer any **seven** out of the following :   7×5=35
   (a) Write an informative note on "Structure of DNA".
   (b) Explain the detail classification of amino acids.
   (c) Give the biological significances of ATP and cyclic AMP.
   (d) What are deamination and transamination ?
   (e) Discuss in detail on hyperbilirubinemia and jaundice.
   (f) Write the detail classify carbohydrates.
   (g) Write a short note on HMP shunt.
   (h) Classify lipids with examples.
   (i) Calculate the energetic of TCA cycle.