

The West Bengal University of Health Sciences
M.D. (Biochemistry) March-April, 2020 Examination

Full Marks:100
Time : 3hours

Paper II

Attempt all questions

1. How hormones affect gene expression ? What are HRE ? What are nuclear receptors and nuclear receptors with special ligands . 10
2. Steady state concept of Enzyme substrate complex helps in derivation of Michelis Menten Equation – Discuss 10
3. What is the role of Lysolecithin in atherosclerosis ? 10
4. Describe in brief the biochemical basis for the nutritional management of following disorders: 2 X 10
 - a) End stage liver disease
 - b) Chronic renal failure
5. Pellagra occurs as a secondary manifestation of Carcinoid syndrome Justify . 10
6. What is the physiological significance of β -Alanine and β aminoisobutyric acid (BAIBA) ? 10
7. Hereditary fructose intolerance . 10
8. Compare & Contrast between Wilson's disease & Menkes' disease . 10
9. Generation of Reactive Oxygen Species is a Process of bacterial killing by phagocytes. 10
10. Cytochrome P450' dependent reactions are mainly microsomal hydroxylation reaction . 10