

Post graduation (M.D. - Biochemistry) Pre- Preliminary Theory Examination
Government Medical College , Bhavnagar

Date : 16/06/2025

Marks : 100

Q-1 Write detail notes on following. (20 Marks)

- Regulation of eukaryotic gene expression

Q-2 Write detail notes on following. (20 Marks)

- Type and significance of all the type of RNA. Clinical co-relation of RNA in pathogenesis of cancer , atherosclerosis and Age related Macular Degeneration (AMD)

Q-3 Write short notes on following. (20 Marks)

1. Structure and component of “Foundation Course” for First year Indian Medical Graduate (IMG)
2. Principle and application of Tandem Mass Spectrometry

Q-4 Write short notes on the following. (40 Marks)

1. Fact and Myth of the use of olive oil in food preparation.
2. Mechanism , clinical utility and biochemical adverse event with use of GLP-1 analogues
3. Structure and Function of Gluten , especially as food protein.
4. Molar absorptivity of NADH and calculation of enzyme factors
5. Requirement as per ISO 15189:2022 for POCT.
6. Delta Bilirubin - Define and Clinical significant.
7. Framingham risk scores for cardiovascular risk.
8. Function and significant of PTH and Intact PTH.