

**QP Code: 302020**

**Reg. No.....**

**Third Year B.Sc. Medical Biochemistry Examinations September 2018**

**Clinical Biochemistry**

**Time: 3 Hours**

**Total Marks: 80**

- **Answer all questions**
- **Draw diagrams wherever necessary**

**Essay**

**(2x15=30)**

1. Discuss the metabolism of alcohol and add a note on biochemical changes in chronic alcoholism.
2. Discuss the mechanisms of regulation of blood pH

**Short Essay**

**(2x10=20)**

3. Hyper lipoproteinemias.
4. Regulation of blood glucose

**Short Answers**

**(4x5=20)**

5. Name the NPN compounds and write the estimation of serum creatinine level
6. Hormonal regulation of water and electrolyte balance
7. Monitoring of diabetes mellitus.
8. Food preservatives

**Comment on**

**(5x2=10)**

9. Anion gap
10. Xanthomas.
11. Cytochrome p450
12. Normal level of serum cholesterol and serum triglyceride
13. Hyperkalaemia

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