

BCC 201-P CLINICAL BIOCHEMISTRY [P]

Practical Course Credit : 1

Contact Hours : 30

1. Blood: Haemoglobin (Hb); Total cell and Differential cell (TC/DC) counts; Erythrocyte sedimentation Rate (ESR); Clotting time; Pressure (using Sphygomanometer).
2. Blood (a) Glucose (b) Blood cholesterol
- 3.
- 4.
- Liver function tests
- Serum (a)SGPT; (b)SGOT; (c)Bilirubin
- Renal function test
- (a) Blood Urea; (b) Serum Creatinine
5. Full urine report
- (a) Physical examination: Colour, odour, sediment, crystals
- (b) Glucose; albumin

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Reference Books (Composite list for theory and practicals)

1. Pattabiraman, R.N. Text book of Biochemistry, All India Publisher distribution.
2. Chatterjee, M.N., Shinde, R. Text book of Medical Biochemistry, Jaypee Publishers.
3. Vasudevan, D.M., Sreekumari, S., Text book of Biochemistry for Medical Students, Jaypee Publishers.
4. Berg, Jeremy, M., Tymoczko, John, L., Stryer L., Biochemistry, W.H. Freeman, N. York.
5. David, L.N., Michael, M.C., Lehninger, A., Biochemistry, Kalyani Publications, N. Delhi.
6. Murray, Robert, K., Bender, David A., Botham K., M. *et al.* Harper's Illustrated Biochemistry, Appleton & Lange.
7. Kaplan, L., A., Amadeo, J. Clinical Chemistry: Theory, Analysis, Correlation, Mousby Publisher, Missouri.
8. Chawla, R., Practical Clinical Biochemistry, Jaypee publishers Harold Varley, Guwnelock, A.H. et al. Varley's Practical Clinical Biochemistry