

W.e.f 20AH Batch

OBJECTIVES: To enable the students to

1. Acquire knowledge to estimate blood parameters like glucose and urea.
2. Estimation of serum creatine, uric acid, serum proteins.
3. Estimation of serum cholesterol, calcium, phosphate, bilirubin.
4. Estimation of SGOT, SGPT and abnormal constituents of urine.

COURSE OUTCOMES: Students will

- **CO1:** Be able to list out different types of nurseries and beds
- **CO2:** Identify the nursery tools, implements and containers.
- **CO3:** Develop skill on potting media preparation and plant production
- **CO4:** Learn the technique of establishing cutting, layering, grafting etc.

PRACTICAL COURSE:

1. Estimation of blood glucose.
2. Estimation of blood urea.
3. Determination of creatinine clearance.
4. Estimation of creatine in serum.
5. Estimation of uric acid in serum.
6. Estimation of serum total protein.
7. Estimation of Serum albumin.
8. Agar gel electrophoresis of serum proteins.
9. Agar gel electrophoresis of serum lipoproteins.
10. Estimation of Serum cholesterol.
11. Determination of SGOT.
12. Determination of SGPT.
13. Estimation of serum calcium.
14. Estimation of serum phosphate.
15. Estimation of serum bilirubin.
16. Determination of urine ascorbic acid.
17. Tests for abnormal constituents in urine.

REFERENCES

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2. Practical Biochemistry by J Jayaraman
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6. Microbiology laboratory Manual (2001) by Aneja, K.M
7. Laboratory Manual in Microbiology by P.Gunasekaran (1996), New Age Publications
Introductory Microbiology. 1995, by Trevor Gross.

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