B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2019

SEMESTER **– 6: BOTANY (CORE COURSE)**

COURSE: **15U6CRBOT10: PERSPECTIVES OF SCIENCE, METHODOLOGY**

AND GENERAL INFORMATICS

(Common for Regular - 2016 Admission / Supplementary-Improvement 2015 admission)

Time: Three Hours   Max. Marks: 60

PART A

I. Answer **ALL** questions; each question carries **1** mark.

 1. Define theory
 2. What is randomization?
 3. Name two mounting media.
 4. What is Chi-square test?
 5. Expand TLC.
 6. What is the need of replication in experiment?
 7. Name any two operating systems?
 8. Define pH.   (1 x 8 = 8)

PART B

II. Answer **ANY SIX** questions; each question carries **2** marks.

 9. What is microtome?
10. Comment on student t-test.
11. What is plagiarism?
12. Differentiate discrete and continuous variable.
13. What is meant by median?
14. Write a brief note on Science Direct?
15. What is INSDOC?
16. List the essential parts of calorimeter.
17. What are vital stains?
18. Differentiate between smear and squash.   (2 x 6 = 12)

PART C

III. Answer **ANY FOUR** questions; each question carries **4** marks.

19. Give an account on electrophoresis.
20. Write an account on INFLIBNET.
21. Give an account on contributions of Robert Koch.
22. Discuss the merits and demerits of mode.
23. What are the applications of PowerPoint?
24. What is the significance of buffers in Biology?   (4 x 4 = 16)

PART D

IV. Answer **ANY TWO** questions; each question carries **12** marks.

25. Explain how to write a project report.

        OR

26. Give an account on the principle and applications of Light Microscope and compare it with that of Electron Microscope

27. Describe various sampling Methods.

        OR

28. Write an account on principle, working, and applications of spectrophotometer.

(12 x 2 = 24)

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