Reg. No…….. Name…… **18U617**

B. Sc. DEGREE END SEMESTER EXAMINATION MARCH 2018

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

COURSE: **15U6CRBOT10: PERSPECTIVES OF SCIENCE, METHODOLOGY AND GENERAL INFORMATICS**

(For Regular - 2015 Admission)

Time: Three Hours Max. Marks: 60

PART A

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

1. What is null hypothesis?
2. Name two vital stains.
3. What is research?
4. Define buffers.
5. Expand GUI.
6. Which is the best chromatographic method for the separation of volatile compounds?
7. What is the use of M S Excel?
8. Expand INSDOC. (1 x 8 = 8)

PART B

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

9. What is mordant?
10. Define mode.
11. What is operating system?
12. Comment on the advantages of Canada balsam as a amounting medium.
13. What is maceration? Give example.
14. List out any two the uses of spectrophotometer.
15. What is histogram?
16. List out the editing tools used in MS-WORD.
17. What is the working principle of centrifuge?
18. Explain the principles of paper chromatography. Mention its uses. (2 x 6 = 12)

PART C

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

19. What are the applications of Power Point?
20. Give an account on the contributions of Louis Pasteur.
21. Explain Scitable.
22. What is χ^2 test? What are its applications?
23. Comment on hematoxylin.
24. What is PAGE? Explain. (4 x 4 = 16)

PART D

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

25. Give an account on academic search technique you have studied.

OR

26. Explain the principles and uses of electron microscopes.

27. What is scientific method? Describe the steps in scientific method.

OR

28. Explain the principles and applications of colorimeter. (12 x 2 = 24)

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