K23U 2332

Reg. No. : ....

Name : ....

V Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/ Improvement) Examination, November 2023
(2019-2021 Admissions)
CORE COURSE IN BOTANY/PLANT SCIENCE
5B09BOT/PLS : Research Methodology, Instrumentation and Biostatistics

Time : 3 Hours   Max. Marks : 40

SECTION – A

Answer **all**.

1. A source-neutral abstract and citation database is
    a) Olympus   b) Scopus   c) Blogs   d) Bios

2. A common mounting medium for permanent slides is
    a) Cornuaba wax b) Glycerine   c) DPX   d) FAA

3. A computer output device is
    a) Mouse   b) Pen-drive   c) Keyboard   d) Printer

4. A multiple sequence alignment soft-ware is
    a) CLUSTALW   b) EMBL   c) Entrez   d) Mozilla   **(4×1=4)**

SECTION – B

Answer **any eight**.

5. What is meant by scientific knowledge ?

6. Mention the significance of control in some experiments.

7. Define Monographs.

8. Explain the term Copy-right.

9. Comment on the lenses in a compound microscope.

10. Describe endospore staining.

11. Expand and explain HEPA filter.

12. What is meant by HPLC ?

13. Comment on processor of a computer.

14. Name two types of printers.

15. Explain Disc-drive.

16. Define linear correlation. **(8×2=16)**

SECTION – C

Answer **any four**.

17. Explain Plagiarism. Name 2 soft-wares used to check it.

18. Give an account of different types of experiments.

19. Comment on micrometry in detail.

20. Give an account of electrophoresis.

21. Describe the structure of ultracentrifuge.

22. Write notes on wireless technology. **(4×3=12)**

SECTION – D

Answer **any one**.

23. Give an account of data presentation and interpretation.

24. Explain the structure and functioning of SEM and TEM.

25. Describe various measures of central tendency. **(1×8=8)**

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