END OF SEMESTER EXAMINATIONS, APRIL / MAY-2018
ELECTIVE: BIOLOGICAL TECHNIQUES
SUBJECT CODE: 14UABO07

MAJOR: B.Sc (Botany)   9   SEMESTER : V
TIME   : 3 HOURS   MAX. MARKS: 75

SECTION – A (10 X 1 = 10)

Answer All the Questions:

1. Write any two properties of light.
2. Distinguish between hardware and software.
3. Define median.
4. What is meant by calomel electrode?
5. What do you mean by dehydration?
6. Define fluorescence.
7. Cite any one example of storage device.
8. What is meant by primary data?
9. Write the function of a rotor.
10. Write the application of microtome.

SECTION – B (5 X 5 = 25)

Answer Any FIVE Questions:

11. Write short notes on fluorescence in biological system.
12. Explain the biochemistry of bioluminescence.
13. Describe the architecture of computer.
14. What are databases? Explain their applications with examples.
15. Give an account on the measures of dispersion.
16. State the merits and demerits of Beer and Lambert's law.
17. Describe the steps involved in mounting of specimens.

SECTION – C (5 X 8 = 40)

Answer Any FIVE Questions:

18. Explain Gibb's free energy and the laws of thermodynamics.
19. Write an essay on the application of computer in Biology.
20. Give an account on the graphic and diagrammatic representation of data.
21. Write the applications of: (i) Camera Lucida   (ii) Ocular and stage micrometer
22. Explain the principle and procedures involved in thin layer Chromatography.
23. Outline the steps involved in micro technique.
24. Write notes on: (i) Internet   (ii) EMBL

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