MAR IVANIOS COLLEGE (AUTONOMOUS)
THIRUVANANTHAPURAM

Reg. No. :…………………   Name :…………………

First Semester Career Related B.Sc. Degree Examination, November 2016
First Degree Programme under CBCSS
Foundation Course – I: (for Botany and Biotechnology)
AUBB121: Methodology and Perspectives of Biotechnology

(for 2016 Admissions Only)

Time: **3** Hours   Max. Marks : **80**

SECTION – A

*Answer **ALL** the following each in a word or two sentences*

1. Expand ATM
2. What is a pie diagram ?
3. What is primary data ?
4. What is hypothesis ?
5. What is RAM and ROM in computers ?
6. What is the arithmetic mean of the following numbers 2, 6, 8, 10, 12 ?
7. Define Fermentation.
8. What is control in an experiment ?
9. What is cyber ethics ?
10. Expand NICNET

(10 × 1 = 10 Marks)

SECTION – B

*Answer any **EIGHT** questions, not exceeding one paragraph.*

11. Write notes on standard error.
12. What is Warranty ?
13. What is formal science ? Give examples.
14. Write names of any two major biotechnology research centres in India.

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15. What you mean by Good manufacturing practises ?
16. What is Humulin ?
17. What are the applications of IT in commerce ?
18. Write notes on INFLIBNET
19. What is tabulation ?
20. Define Scilab.
21. Write notes on Copy right.
22. What is the necessity of units and dimensions in science experiments ?

<div align="right">(8 × 2 = 16 Marks)</div>

SECTION – C

*Short essay type : Answer any **SIX** questions.*

23. Explain the services offered by PUBMED.
24. What you mean by Plagiarism ?
25. Write notes on the application of biotechnology in biofuel generation.
26. Explain the use of IT in teaching and Learning.
27. Role of fermentation technology in metabolite production.
28. Explain the significance of documentation and record keeping in research.
29. Explain hybridoma technology.
30. Write notes on Good laboratory Practices.
31. Explain the role of Biotechnology in prehistoric times. How it differs from modern Biotechnology ?

<div align="right">(6 × 4 = 24 Marks)</div>

SECTION – D

*Long essay type : Answer any **TWO** questions.*

32. Explain the common measures of central tendencies. Write notes on its merits and demerits.
33. Explain the applications of biotechnology in GM crops.
34. Explain the various operating systems and major application software.
35. What is IPR ? Write notes on items considered under the IPR.

<div align="right">(2 × 15 = 30 Marks)</div>

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