

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2011 – 12 & thereafter)

SUBJECT CODE: 11BY/PE/RB14

M. Sc. DEGREE EXAMINATION - NOVEMBER 2014
BIOTECHNOLOGY
FIRST SEMESTER

COURSE : ELECTIVE
PAPER : RESEARCH METHODOLOGY AND BIOETHICS
TIME : 3 HOURS **MAX. MARKS: 100**

SECTION – A

ANSWER ALL QUESTIONS: (20 x 1 = 20)

DEFINE / EXPLAIN THE FOLLOWING.

1. Case study.
2. Impact factor of a journal.
3. Primary data.
4. Replication.
5. Hypothesis testing.
6. Histogram.
7. Patent.
8. ANOVA.
9. Cross referencing.
10. Proof reading.
11. BLAST.
12. Curcumin.
13. BSL I and II.
14. TRIPS.
15. Keywords.
16. Stem cell.
17. GMO.
18. Licensing.
19. Containment.
20. Plant Breeder's right.

SECTION – B

ANSWER ANY FOUR QUESTIONS.

(4 x 10 = 40)

21. How would you proceed with writing literature of review?
22. Give the organization of manuscript in reference with any Indian Standard Journal.
23. Write an account of patent on turmeric.
24. Explain the social and ethical issues related to organ transplantation.
25. Explain the four different phases of clinical trials.
26. Explain Good Laboratory Practices in research.

SECTION – C

ANSWER ANY TWO QUESTIONS:

(2 X 20 = 40)

27. Elaborate upon data collection, classification and presentation.
28. Explain the format for writing a thesis.
29. Comment on the pros and cons with reference to Bt Cotton and Bt Brinjal.
30. Write an essay on impact of gene cloning.
