

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 2012
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. Pilot study
2. Data collection
3. Review of Literature
4. Software
5. Manuscript
6. Impact factor
7. Proof reading
8. Intellectual Property Rights
9. Genetically Modified Organism
10. Patent
11. Gene cloning
12. Parallelism
13. Containment
14. GLP
15. TRIPS
16. Stem cell
17. Biopiracy
18. Superbug
19. Keyword
20. Biosafety level

SECTION – B

ANSWER ANY FOUR QUESTIONS:

(4 x 10 = 40)

21. Describe various classification and presentation of data.
22. Write about organization manuscript writing thesis.
23. Describe the different issues in Human Genetics.
24. Explain Good Laboratory Practices in research.
25. Write short notes on TRIPS.
26. Briefly discuss Clinical trials.

SECTION – C

ANSWER ANY TWO QUESTIONS: DRAW DIAGRAMS WHEREVER NECESSARY:

(2 X 20 = 40)

27. How do you use software packages for data analysis?
28. Give a detailed account on Genetically Modified Foods.
29. Write an essay on impact of gene cloning.
30. What is Biosafety? Add a note on different containment facilities for conducting genetic engineering experiment.
