

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI –600 086
(For candidates admitted during the academic year 2015 – 16 & thereafter)

SUBJECT CODE: 15BI/PE/PG24

M.Com./M. Sc. DEGREE EXAMINATION, APRIL 2017
SECOND SEMESTER

COURSE : ELECTIVE
PAPER : PHARMACOGENOMICS
TIME : 3 HOURS

MAX.MARKS: 100

SECTION – A

ANSWER ALL QUESTIONS

(20X1=20 MARKS)

1. Pharmacogenomics
2. Drug target
3. TDM
4. Prodrug
5. SNP
6. Variants
7. PGRN
8. Microsatellite
9. Pharmacogenetics
10. Pharmacodynamics
11. Toxicogenomics
12. Route of Administration
13. Efficacy
14. Lead compound
15. ADR
16. Clinical Trials
17. Microarray
18. GEO
19. Probe
20. Affymetrix

SECTION – B

ANSWER ANY FOUR QUESTIONS.

(4X10=40 MARKS)

21. Write in detail about personalized medicine.
22. What are the types of genetic variations?
23. Write in detail about ADME.
24. Write in detail about pathways in drug metabolism and its adverse reactions.
25. What are the basic steps involved in designing of microarray?
26. Write in detail about polymorphism.
27. Write steps involved in drug discovery.

SECTION – C

ANSWER ANY TWO QUESTIONS

(2X20=40 MARKS)

28. Elaborate on database PharmGKB.
29. Write about preclinical toxicology.
30. Detail on the process involved in pharmacogenomics.
31. What are the types of microarray and its applications?
