

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2015 – 2016 & thereafter)

SUBJECT CODE: 15ZL/ME/LT55

B.Sc. DEGREE EXAMINATION - NOVEMBER 2018
BRANCH VI A – ADVANCED ZOOLOGY & BIOTECHNOLOGY
FIFTH SEMESTER

COURSE : MAJOR ELECTIVE
PAPER : MEDICAL LABORATORY TECHNOLOGY
TIME : 3 HOURS **MAX. MARKS: 100**

SECTION – A

ANSWER ALL THE QUESTIONS **(10 x 3 = 30)**

1. Turk's fluid
2. GLP
3. Haemopoiesis
4. Anticoagulants
5. Prothrombin time
6. Blood transfusion
7. Azoospermia
8. Hepatitis
9. Serum cholesterol
10. Normal value for blood urea & glucose

SECTION – B

ANSWER ANY FIVE QUESTIONS **(5 x 6=30)**

11. Give a brief account on sterilization of laboratory items by heat.
12. Discuss in detail about the blood collection techniques.
13. Describe the process of Blood coagulation.
14. Explain the procedure for identification of malarial parasite in blood smear.
15. Write a note on the principle, procedure and clinical relevance of ALT estimation.
16. Enumerate the procedure of blood smear preparation for differential count of WBC and add a note on its significance.
17. Write a note on β – hCG pregnancy test.

SECTION - C

ANSWER ANY TWO QUESTIONS **(2 x 20=40)**

18. Explain ABO blood grouping and Rh typing.
19. Discuss in detail about the macroscopic, microscopic and chemical analysis of urine.
20. Write the principle, procedure and clinical relevance of Blood glucose estimation.
21. Elaborate the mode of infection, pathological changes and symptoms of AIDS.
