

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI-86
(For candidates admitted during the academic year 2011-12 & thereafter)

SUBJECT CODE: 11CH/ME/CB53

B.Sc. DEGREE EXAMINATION, NOVEMBER 2014
BRANCH IV- CHEMISTRY
FIFTH SEMESTER

COURSE : MAJOR ELECTIVE
PAPER : CLINICAL BIOCHEMISTRY
TIME : 1½ HOURS

MAX.MARKS : 50

Section - A

Answer ALL the questions:

(10x1=10)

1. Give a brief note on CSF collection.
2. How does temperature affect a specimen sample?
3. What is the principle of RIA?
4. What is the function of cholinesterase?
5. What are hormones?
6. List out the functions of estrogen.
7. What is the work of TSH?
8. Write a note on the clinical significance of Acid phosphatase.
9. Define isoenzymes.
10. What is the composition of blood?

Section - B

Answer any FOUR questions:

(4x10=40)

11. How are clinical samples collected, processed and preserved?
12. Write the principle, technique and applications of ELISA.
13. Explain the mechanism of action of thyroxin and highlight its clinical significance.
14. Enumerate and explain the techniques used to measure hormones.
15. With suitable examples explain isoenzymes and differentiate their functions.
16. Explain the clinical-significance of amylase and creatine kinase.
