STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086 (For Candidates admitted during the academic year 2008 –09 & thereafter) SUBJECT CODE: ZL/MC/LT34

B.Sc. DEGREE EXAMINATION NOVEMBER 2010 BRANCH VI A: – ADVANCED ZOOLOGY & BIOTECHNOLOGY THIRD SEMESTER

PAPEI TIME	SE : MAJOR CO R : MEDICAL : 3 HOURS ER ALL THE QUE	LABO	RATORY TECHNOLOGY SECTION – A S	MAX. MARKS: 100 (10 X 3 = 30)
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	FILL IN THE BLA a) b) Sterilization of mil c)	is the call is a second contract in the call is call in the c	the preferred method for sterilizedealled normal saline.	izing glassware.
	DISTINGUISH BET a) Leukemia & Leuco b) TC & DC c) Turk's & Hayem's	penia	N	
3.	3. Draw neat labeled diagrams of Polymorpho-nuclear Leucocytes.			
	WHAT DO YOU M a) Formed elements o b) Micro-haematocrit c) Thrombus	of blood		
	Give the normal range a) Total serum choles		b) Basophils c) ESR	
F	ALSE: a) The albumin found b) Latex Particle Agg c) Counting of sperm d) Excess fat in faece e) Normal CSF is cry	l in the lutinati s is don s is call stal clea		otein. avindex – 90.
7.344		TITL		
	TCH THE FOLLON a) Tuberculosis b) HTLV III / LAV c) Jaundice d) Rothera's Test e) Wuchereria f) Pregnancy	VING : - - - - - -	Microfilaria ELISA Test for Acetone in urine Mantoux test Hepatitis HIV	

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- 8. Give the diagnostic significance of the following tests:
 - a) Test for Proteinuria
- b) Test for Glycosuria
- c) Test for Bilirubinuria

- 9. Give the expansion for the following:
 - a) ELISA
- b) HCG
- c) RIA
- 10. Name the causative organism for
 - a) Trichuriasis
- b) Tuberculosis
- c) Homologous Serum Jaundice

SECTION - B

(5X6 = 30 Marks)

ANSWER ANY FIVE QUESTIONS

- 11. How will you prepare RBC & WBC diluting fluids?
- 12. Describe the various anticoagulants with their mode of action and uses.
- 13. How will you estimate Haemoglobin in the blood?
- 14. Write an account on Microscopic Examination of Urine.
- 15. Enumerate the helminthic parasites found in the Stool samples.
- 16. How will you estimate blood glucose?
- 17. Describe any Two immunologic methods to confirm pregnancy.

SECTION - C

(2X20 = 40 Marks)

ANSWER ANY TWO QUESTIONS

- 18. Write a detailed account on differential count of WBC.
- 19. Describe the procedure involved in sperm count, sperm motility & sperm morphology.
- 20. Explain the different types of blood groups & Rh types in man.
- 21. How will you examine the blood smear for malarial parasite and microfilaria.
