

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086
(For candidates admitted during the academic year 2011- 12 and thereafter)
SUBJECT CODE: 11ZL/GE/HR 44
B.A./B.Sc./B.Com./ /B.S.W/B.V.A./B.C.A. DEGREE EXAMINATION
NOVEMBER - 2014

COURSE: GENERAL ELECTIVE
PAPER : BIOLOGY OF HUMAN REPRODUCTION

TIME: THREE HOURS
MAX. MARKS: 100

SECTION-A

ANSWER ALL QUESTIONS

(10 x 4 =40)

1. What are gametes? Where are they produced?
2. Fill in the blanks:
 - a. The gestation period for human is -----.
 - b. _____ is used to detect the sex.
 - c. Any physical, chemical or biological agent that can affect development of the embryo/fetus is known as a -----.
 - d. _____ hormone initiates lactation.
3. Distinguish between a. Menopause and Menarche
b. GIFT and ZIFT
4. List the secondary sexual characteristics of males and females.
5. How does the stress affect reproduction?
6. What is Spontaneous abortion? Mention any two causes.
7. State whether true or false.
 - a. Gametes are preserved in liquid oxygen.
 - b. Pre marital counselling reduces the risk of birth defects.
 - c. Alcohol abuse can damage the reproductive system.
 - d. Estrogen is referred to as pregnancy hormone.
8. State the functions of the following.
 - a. Prostate Glands
 - b. Fallopian tube
 - c. Vas deferens
 - d. Placenta
9. Comment on Surrogate motherhood.
10. What are psychoactive drugs? Name any two which affect the reproduction.

SECTION-B

ANSWER ANY FIVE QUESTIONS

(5x6=30)

11. Explain the process of fertilization and implantation.
12. Describe any two birth defects.
13. Describe the different methods of female contraception.
14. Give a brief account on any two sexually transmitted diseases.
15. Explain the role of the Y chromosome in determining the male sex.
16. Comment on cloned babies and highlight the ethical issues related to this.
17. What is consanguinity? How does this affect the society?

SECTION-C

ANSWER ANY TWO QUESTIONS

(2x15=30)

18. Discuss in detail the causes for male and female infertility.
19. Give an account on menstrual cycle.
20. Explain the role of H-P-G axis at the time of puberty and in general reproduction.
21. Describe the procedure of *In vitro* Fertilization and Embryo Transfer, its indications, complications and ethical issues involved.
