PERIODIC TEST-I	
NAME: CLASS: XII	SUBJECT: BIOLOGY M. MARKS: 20
General Instructions:	
Read the following instructions carefully.	
a) All questions are compulsory.b) Draw diagram with pencil.	
- Draw diagram with perion.	
SECTION A	[6]
SECTION A Q1. Which hormone is responsible for the development of secondary sexual characteri	
in males?	
a) Estrogen b) Progesterone c) Testosterone d) FSH	
O2 During which whose of the manatural scale does condition accord	
Q2. During which phase of the menstrual cycle does ovulation occur? a) Menstrual phase b) Follicular phase c) Luteal phase d) Proliferative phase	
a) Wellstrual phase b) Follicular phase c) Lutear phase d) Fromerative phase	
Q3. Which structure carries sperm from the epididymis to the urethra?	
a) Vas deferens b) Seminal vesicle c) Prostate gland d) Bulbourethral gland	
Q4. What is the function of the corpus luteum?	
a) Production of progesterone b) Production of estrogen	
c) Release of LH d) Formation of ova	
Q5. Where does fertilization usually occur in the female reproductive system?	
a) Uterus b) Fallopian tube c) Cervix d) Vagina	
Q6. Which of the following is NOT a method of contraception?	
a) Tubectomy b) Vasectomy c) IUD d) Dilation and curettage (D&C)	
SECTION B	[8]
Q 7. Explain the process of spermatogenesis.	
Q 8. Describe the structure and function of corpus luteum.	
Q 9. What is the role of testosterone in male reproductive system?	
Q 10. Explain the process of fertilization in humans.	
SECTION C Q11. Discuss the hormonal control of menstrual cycle in females.	[6]
OR	
Explain the process of implantation and its significance.	
Q12. CASE STUDY	

A couple has been trying to conceive for over a year without success. They have undergone medical Tests, and it was discovered that the husband has low sperm count. Discuss the possible reasons for Low sperm count and suggest treatment options.

i). What could be a possible cause of the husband's low sperm count?

- a) Genetic factors
- b) Stress
- c) High testosterone levels
- d) Age-related decline

ii). Which of the following treatment options could be recommended?

- a) In vitro fertilization (IVF)
- b) Adoption
- c) Ovulation induction
- d) Oral contraceptives

iii). What role might lifestyle changes play in improving sperm count?

- a) No impact
- b) Significant improvement
- c) Temporary improvement
- d) Worsening of condition

OR

iv). Which hormone could be administered to stimulate sperm production?

- a) Estrogen
- b) Progesterone
- c) Follicle-stimulating hormone (FSH)
- d) Thyroid hormone