

O. P. JINDAL SCHOOL, SAVITRI NAGAR**Periodic Test – I(Round-I) 2025 -2026****Class: XII****Subject: Biology(044)****MM: 20****Time: 01 Hr.****General Instructions:**

- *Question paper contains 03 Sections (Section – A, Section – B, Section – C)*
- *Section A – Multiple Choice Questions (MCQ's) carries 01 mark each.*
- *Section B – Very Short Answer Type Questions carries 02 marks each.*
- *Section C – Short Answer Type Questions carries 03 marks each.*

Section – A

Q1. The membranous cover of the ovum at ovulation is

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|--------------------|------------------|
| (a) corona radiata | (b) zona radiata |
| (c) zona pellucida | (d) chorion |

Q2. The embryo at 16- celled stage is known as

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|--------------|----------------|
| (a) morula | (b) gastrula |
| (c) blastula | (d) blastomere |

Q3. Preparation of sperm before penetration of ovum is

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|---------------------|--------------------|
| (a) spermiation | (b) spermiogenesis |
| (c) spermatogenesis | (d) capacitation |

Q4. Embryo with more than 16 blastomeres formed due to in vitro fertilization is transferred into

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|--------------|--------------------|
| (a) uterus | (b) fallopian tube |
| (c) fimbriae | (d) cervix |

Q5. Which of the following is hormone releasing IUD ?

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|-----------------|-------------------|
| (a) LNG-20 | (b) Multiload-375 |
| (c) Lippes loop | (d) Cu-7 |

Q6. The most important component of oral contraceptive pills is

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|----------------------------|--------------------|
| (a) Progesterone-oestrogen | (b) growth hormone |
| (c) thyroxine | (d) LH |

Section – B

Q7. Describe the procedure of the terminal method to prevent pregnancy carried in human male and female.

Q8. What are Sertoli cells? Write its function.

Q9. State any two differences between follicular phase and luteal phase of menstrual cycle.

Or

Describe the lactational amenorrhea method of birth control ?

Q10. Draw a neat diagram of Human female reproductive system and label the parts associated with the Following:

- (i) Production of gametes
- (ii) Site of fertilization
- (iii) Site of implantation
- (iv) Birth canal

Section – C

Q11. 'Intra-Cytoplasmic Sperm Injection' (ICSI) and 'Gamete Intra Fallopian Transfer' (GIFT) are two assisted reproductive technologies. How is one different from the other ?

Q12. Explain spermatogenesis ? Briefly describe the process of spermatogenesis.

Or

What is oogenesis? Give a brief account of oogenesis.
