O. P. JINDAL SCHOOL, SAVITRI NAGAR
Periodic Test - I (2023 – 2024)

Class: XII   **MM: 20**
Subject: Biology   **Time: 01 Hr.**

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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.*

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Section – A

Q1. The phenomenon where, the ovary develops into a fruit without fertilisation is called
     (a) parthenocarpy   (b) apomixis
     (c) asexual reproduction   (d) sexual reproduction

Q2. 60 % of the angiosperm shed their pollens at the
     (a) 2-celled stage   (b) 3-celled stage
     (b) 4-celled stage   (d) 1-celled stage

Q3. Triploid tissue in angiosperms is
     (a) nucellus   (b) endosperm
     (c) endothecium   (d) tapetum

Q4. The process of delivery of the foetus is called
     (a) parturition   (b) implantation
     (c) ovulation   (d) fertilization

Q5. Chorionic villi and uterine tissue become interdigitated with each other and jointly form
     (a) trophoblast   (b) inner cell mass
     (c) placenta   (d) implantation

Q6. Which of the following is hormone releasing IUD ?
     (a) LNG-20   (b) Multiload-375
     (c) Lippes loop   (d) Cu-7

Section – B

Q7. Differentiate between spermatogenesis and spermiogenesis.

Q8. What are Sertoli cells? Write its function.

Q9. Banana is a true fruit and also a parthenocarpic fruit. Justify.

Q10. Draw a well labelled diagram of T.S.of mature anther of an angiospermic flower.

                              OR

     Name and explain a surgical contraceptive method that can be adopted by the male partner of a couple.

Q11. What is oogenesis? Give a brief account of oogenesis.

OR

Explain the Zygote Intra Fallopian Transfer (ZIFT) technique.How is Intra Uterine Transfer Technique (IUT) different from it ?

Q12.What are chasmogamous flowers ? Can cross- pollination occur in cleistogamous flowers ? Give reason for your answer.

OR

What is bagging technique ? How is it useful in a plant breeding programme.

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