



विद्या सर्वार्थ साधिका

ANANDALAYA  
PERIODIC TEST – 1  
Class : XII

Subject: Biology

Date: 22/07/2019

M.M: 40

Time: 2Hours

General Instructions:

1. All questions are compulsory.
2. Marks for each question are indicated against it.
3. Question numbers 1 to 3 are very short answer questions, carrying 1 mark each. Answer these in one word or about one sentence each.
4. Question numbers 4 to 6 are short answer questions, carrying 2 marks each. Answer these in about 30 words each.
5. Question numbers 7 to 13 are short answer questions carrying 3 marks each. Answer these in about 40 words each.
6. Question numbers 14 and 15 carry 5 marks. Answer these in about 70 words.

1. Why do we refer to offsprings formed by asexual reproduction as clones? (1)
2. Name the two basic processes involved in sexual reproduction. (1)
3. What is the name of the organisation that developed “Saheli”- the oral contraceptive for women? (1)
4. In haploid organisms that undergo sexual reproduction, name the stage when meiosis occurs. Give reason for your answer. (2)
5. Banana is a true fruit and a parthenocarpic fruit. Justify. (2)
6. How is the use of barriers not just a contraceptive method but also a health protection behaviour? What is recanalisation surgery? (2)

7. Honey bees produce their young ones by sexual reproduction. In spite of this, in a colony of bees we find both diploid and haploid individuals. Name the haploid and diploid individuals in the colony and analyse how they are formed. (3)
8. Describe the development of male gametophyte in angiosperms with the help of suitable diagrams. (3)
9. Which are the steps during the formation of female gametophyte in Angiosperms? Explain the type of cell divisions and the structure formed. Draw and label the gametophyte. (3)
10. What is menstruation? What are the specific actions of FSH, LH, Progesterone and Estrogen with reference to menstrual cycle? (3)
11. What is placenta? What is its role in mammalian embryo development? Give its functions. (3)
12. Briefly explain the aims and objectives of Reproductive health programs in India. (3)
13. A mother of one year old daughter wants to space her second child. Which method would her doctor suggest for this? Explain its contraceptive actions. (3)
14. "Incompatibility is a natural barrier in the fusion of gametes". Justify this statement by giving five supporting evidences. (5)
15. Describe post fertilisation events starting from cleavage leading to the formation of foetus in human. (5)