

Sample Paper – 2008
Class – X
Subject – Science

1. Mention the advantages of sexual reproduction over asexual.
2. What is the difference between unisexual and bisexual (hermaphrodite)?
3. What are various methods of vegetative propagation? Discuss any one method with example.
4. What are the advantages of vegetative propagation?
5. Explain the term fission, regeneration, budding, layering as used in relation to reproduction.
6. Which method would you apply to cultivate Rose and Jasmine plant? Explain.
7. What is tissue culture? Explain.
8. How does Bryophyllum reproduce vegetatively?
9. Explain how grafting is done in certain plants during vegetative propagation in plants.
10. How are stock and scion interrelated?
11. Name the reptile in each case where higher temperature results in a) Male progeny, b) Female progeny.
12. Fusion of male and female gamete is called _____. What is the product of this process?
13. Draw a labeled diagram of flower. What happens to the pollen of a mango flower if it falls on stigma of some other flower?
14. In flowering plants, there occurs 'double fertilization and triple fusion'. Briefly explain the events and justify the above phrase.
15. Draw the labeled longitudinal region diagram of the Pistil.
16. What is Pollination?
17. Differentiate between self and cross pollination.
18. Explain fertilization in plants with diagram (With the help of diagram explain double fertilization in plants).
19. Describe the terms in relation to the human reproduction:
1. Fertilisation 2. Implantation 3. Placenta 4. Gestation 5. Parturition
20. What do you mean by Menarche and Menopause?
21. Where do you find follicles and what is its function?
22. Define ovulation.
23. Explain male and female reproductive organ in detail? Draw diagram also?
24. With a labeled diagram describe the female reproductive system.
25. What are IUCD's? Give two examples.
26. Write full form of HIV and AIDS.
27. Name any two sexually transmitted diseases.
28. What are the male and female organs in human beings? What are the enzymes secreted by them and their functions?
30. Why copper T is made up of copper?
31. What is syngamy?
32. What is puberty?
33. Differentiate between binary fusion and multiple fusion?

34. Draw a labeled diagram of budding in hydra?
35. How does oral contravites work? What is their role?
36. Where is testis located in human male body? Give the reasons?
37. Where is ovary located in human female body? Give the reasons?