HOW DO ORGANISMS REPRODUCE

1. Define reproduction
2. What is the significance of reproduction?
3. Name the structure which carries hereditary characters from one generation to other.
4. Which is the main source of cell which forms proteins?
5. What is the importance of DNA copying in reproduction?
6. Why is variation beneficial to the species but not necessarily for the individual?
7. How does binary fission differ?
8. Name two unicellular organisms which reproduce by binary fission.
9. Name an organism where binary fission occurs in a definite orientation.
10. How does plasmodium’s multiply? Also draw its diagram.
11. Name the causal organism of kala azar.
12. Why do multicellular organisms need more complex way of reproduction?
13. How is reproduction to be achieved from a single cell type, if the organism itself consists of many cell types?
14. What is regeneration?
15. How does regeneration takes place in planaria? Draw diagram
16. Explain the process of budding in hydra.
17. Define vegetative propagation.
18. Mention three advantages of vegetative propagations.
19. Give two examples each of the plants which reproduce by vegetative propagation by the leaf, root and stem.
20. Write briefly about micro propagation (tissue culture).
21. Give 2 examples of artificial propagation.
22. Name 2 plants which grow by layering, grafting, cutting, tissue culture
23. Explain spore formation with the help of suitable example. Draw its diagram also.
24. Why is vegetative propagation practiced for growing some type of plants?
25. Define sexual reproduction.
26. Enlist three differences between sperm and egg
27. What are the advantages of sexual reproduction over asexual reproduction?
28. Name the type of cell division which reduces the chromosome number to half the daughter cells?
29. Discuss the various parts of the flower along with a well-labelled diagram.
30. Name 2 unisexual flowers.
31. Define pollination
32. Which part of the flower changed into seed and fruit respectively?
33. Write three basic features of sexual reproduction in animals.
34. Distinguish between oviparous and viviparous animals, external and internal fertilisation
35. What is puberty?
36. What is age of puberty for boys and girls?
37. What changes takes place in flower after pollination and fertilisation?
38. Enlist the main secondary sexual character in male and female.
39. Why does the body show sexual maturation at puberty age?
40. Write the function of testis, epididymis, prostate gland.
41. Why are testes located outside the abdominal cavity?
42. What makes the sperm cells to move towards the germ cells?
43. What are the different methods of contraception?
44. Define placenta and implantation.
45. What is menstruation?
46. Write the function of ovary, oviduct, uterus, cervix, vagina
47. Define vasectomy
48. Define tubectomy.
49. Explain IUCD.
50. Give 2 examples of STD are caused by bacteria and virus.
51. Name the part of female reproductive system which help in child birth and how?
52. What is the major difference between male and female reproductive system.

**QUESTIONS TO BE DONE IN NB**
1, 2, 5, 6, 7, 12, 13, 17, 18, 22, 26, 29, 33, 37, 40, 42, 44, 45, 46, 50