

DPP

DAILY PRACTICE PROBLEMS

Class : XIIth
Date :

Solutions

Subject : BIOLOGY
DPP No. : 10

Topic :- Reproduction in Organisms

3. (A)
4. (A) Plants like sugarcane, grapes, rose, china rose, Bougainvillea etc are propagated by stem cuttings.
5. (D)
6. (C) Grafting is generally done between the related varieties or species. This method has been practised for many economically useful plants, such as rose, mango, apple, citrus, rubber etc.
7. (A) Agamospermy seed is formed without gametic union.
Vegetative propagation can be of two kinds :
(i) Methods of natural vegetative propagation.
(ii) Methods of artificial vegetative propagation both are the methods of asexual reproduction.
8. (B) The roots also help in vegetative propagation some common example of root tubers are sweet potato (*Ipomoea batatas*), asparagus (*Asparagus*) and Dahlia. These roots develop buds, each of which form a new plant.
9. (C)
10. (A) The stem cutting are treated with rooting hormone (IBA) for proper development of roots.
Example : Grapes, Sugarcane, Rose, Bougainvillea etc.
11. (D)
12. (B) Both sexual and asexual type of reproduction are found in *Hydra*.
13. (D)
14. (B) Binary fission may be longitudinal or transverse. During multiple fission, the parental

body divides into many daughter organisms.

15. (D)
16. (B) Arrhenotoky is a type of parthenogenesis, in which the unfertilized eggs develop into males with haploid cells.
17. (A) Parthenogenesis can be classified into arrhenotoky and thelytoky.
18. (D) Binary fission occurs in Amoeba, paramecium, and planaria.
19. (B) Eutherian mammals are viviparous placental mammals without marsupium. Eutherians constitute the vast majority of living mammals arranged in 16 orders.
20. (C) Earthworms are bisexual but self fertilization does not occur because their testes ripen first. They are protandrous.

ANSWER-KEY

Q.	1	2	3	4	5	6	7	8	9	10
A.	A	A	A	A	D	C	A	B	C	A
Q.	11	12	13	14	15	16	17	18	19	20
A.	D	B	D	B	D	B	A	D	B	C