

NEET Biology MCQ

Chapter-1. Reproduction in Organisms

1. In which of the following mammal estrous cycle is absent:
(a) cow (b) horse (c) monkey (d) rabbit
2. Identify the incorrect statement.
 - a. In asexual reproduction, the offspring produced are morphologically and genetically identical to the parent
 - b. Zoospores are sexual reproductive structures
 - c. In asexual reproduction, a single parent produces offspring with or without the formation of gametes
 - d. Conidia are asexual structures in Penicillium
3. Asexual reproductive structure of sponge:
(a) Gemmules (b) conidia (c) bulb (d) none of these
4. Which of the following is developed by parthenogenesis:
(a) Drones (b) queen honey bee (c) worker honey bee (d) both b and c
5. ----- is formed immediately after fertilization
(a) morula (b) blastula (c) zygote (d) foetus
6. The process which results the formation of zygote
(a) Isogamy (b) Anisogamy (c) Triple fusion (d) Syngamy
7. Which of the following is not an asexual reproductive structure?
(a) zoospores (b) pollen (c) buds (d) conidia
8. Parthenogenesis is the development of an organism directly from:
(a) Female gametes (b) Vegetative cells (c) Fertilized ovum (d) none of these
9. Which of the following organism reproduces by multiple fission?
(a) Euglena (b) Paramecium (c) Trypanosoma (d) Plasmodium
10. Which type of stem modification is seen in banana?
(a) stem tuber (b) bulb (c) corn (d) rhizome
11. Which animals have developed capacity of regeneration ?
(a) Hydra, Starfish (b) Plasmodium (c) Leech (d) Paramoecium
12. Sporulation occurs in.....
(a) Plasmodium (b) Hydra (c) Starfish (d) Spongilla
13. Which plant reproduces vegetatively by roots ?
(a) Oxalis (b) Bryophyllum (c) Onion (d) Dahlia
14. Which plant performs vegetative reproduction with the help of floral buds ?
(a) Agave (b) Bryophyllum (c) Ginger (d) Asparagus

15. Which part of the plant Bryophyllum performs vegetative reproduction ?
(a) Stem (b) Floral buds (c) Underground roots (d) Buds on leaf margin
16. Juvenile phase represents the period of-
a. Growth b. Death c. Birth d. None
17. Either male or female reproductive organs are found in the body
a. Monoecious b. Dioecious c. Meicyte d. Syngamy
18. Propagules are used to raise--
a. growth b. new plants c. old plants d. all the above.
19. Find the monoecious plant
a. Coconut b. Cucurbits c. Both a and b d. Papaya
20. Identify the mis-match statement regarding post fertilization events from the following statements.
(a) Wall of ovary is converted into pericarp. (b) Outer integument is converted into inner endocarp
(c) Triploid nucleus develops as endosperm (d) Ovary is developed as fruit.
21. In these organisms, gametes are released in the surrounding medium
a. Fishes b. Amphibians c. Mammals d. Both a and b
22. Choose the correct statement from amongst the following:
a. Dioecious (hermaphrodite) organisms are seen only in animals
b. Dioecious organisms are seen only in plants
c. Dioecious organisms are seen in both plants and animals
d. Dioecious organisms are seen only in vertebrates
23. There is no natural death in single celled organisms like Amoeba and bacteria because:
a. They cannot reproduce sexually b. They reproduce by binary fission
c. They are not diploid d. They are microscopic
24. Amoeba reproduces by-
(a) Binary fission (b) Budding (c) Sporulation (d) Both a and c
25. What are ciliated spores ?
(a) Non-motile spores (b) Zoospores (c) Homospores (d) Heterospores
26. Non-flagellated spores are called conidia . In which organism they are seen ?
(a) Pencillium (b) Hydra (c) Amoeba (d) Chlamydomonas
27. Which animals reproduce by exogenous budding ?
(a) Hydra (b) Spongilla (c) Plasmodium (d) Amoeba
28. Some unicellular organisms shift to sexual method of reproduction , before the onset of adverse conditions, because-
a)Sexual reproduction is a simple method b)it involves gamets c) Survival chances are more in sexual reproduction due to variations d) None of these

29. During which process cyst is formed ?

(a) Binary fission (b) Multiple fission (c) Sporulation (d) Budding

30. In which method of reproduction, pseudopodiospores are formed ?

(a) Binary fission (b) Multiple fission (c) Sporulation (d) Budding

31. Antherozoids are the gametes formed in-

a) Algae b) Bryophytes c) Pteridophytes d) Both b and c

32. During which process cyst is formed ?

(a) Binary fission (b) Multiple fission (c) Sporulation (d) Budding

33. In which method pseudopodiospores are formed ?

(a) Binary fission (b) Multiple fission (c) Sporulation (d) Budding

34. In which organism multiple fission is seen ?

(a) Paramecium (b) Plasmodium (c) Hydra (d) Planaria

35. Which of the following is not a natural method of vegetative reproduction ?

(a) Suckers (b) Cutting (c) Runners (d) Offsets

36. Which type of fission takes place in Euglena ?

(a) Transversal Binary fission (b) Longitudinal Binary fission (c) Peripheral Binary fission (d) Radial Binary fission

37. The plants which bears two types of heterospores during Sporophytic stage is known as.....

(a) Aplanospores (b) Somatic spores (c) Homosporous (d) Heterosporous

38. Which of the following group of animals show regeneration ?

(a) Planaria, Hydra, Starfish (b) Starfish, Amoeba, Plasmodium
(c) Amoeba, Hydra, Paramecium (d) Amoeba, Planaria, Starfish

39. A few statements describing certain features of reproduction are given below:

- i. Gametic fusion takes place
- ii. Transfer of genetic material takes place
- iii. Reduction division takes place
- iv. Progeny have some resemblance with parents

Select the options that are true for both asexual and sexual reproduction from the options given below:

(a) i and ii (b) ii and iii (c) ii and iv (d) i and iii.

40. The term 'clone' cannot be applied to offspring formed by sexual reproduction because:

- a. Offspring do not possess exact copies of parental DNA
- b. DNA of only one parent is copied and passed on to the offspring
- c. Offspring are formed at different times
- d. DNA of parent and offspring are completely different.

41. Which of the following is a post-fertilisation event in flowering plants?

a. Transfer of pollen grains b. Embryo development c. Formation of flower d. Formation of pollen grains

42. A few statements with regard to sexual reproduction are given below:

- i. Sexual reproduction does not always require two individuals
- ii. Sexual reproduction generally involves gametic fusion
- iii. Meiosis never occurs during sexual reproduction
- iv. External fertilisation is a rule during sexual reproduction

Choose the correct statements from the options below:

(a) i and iv (b) i and ii (c) ii and iii (d) i and iv

43. A multicellular, filamentous alga exhibits a type of sexual life cycle in which the meiotic division occurs after the formation of zygote. The adult filament of this alga has-

- a. haploid vegetative cells and diploid gametangia b. diploid vegetative cells and diploid gametangia
- c. diploid vegetative cells and haploid gametangia d. haploid vegetative cells and haploid gametangia.

44. The male gametes of rice plant have 12 chromosomes in their nucleus. The chromosome number in the female gamete, zygote and the cells of the seedling will be, respectively--

a. 12, 24, 12 b. 24, 12, 12 c. 12, 24, 24 d. 24, 12, 24.

45. Given below are a few statements related to external fertilization. Choose the correct statements.

- i. The male and female gametes are formed and released simultaneously
- ii. Only a few gametes are released into the medium
- iii. Water is the medium in a majority of organisms exhibiting external fertilization
- iv. Offspring formed as a result of external fertilization have better chance of survival than those formed inside an organism

(a) iii and iv (b) i and iii (c) ii and iv (d) i and iv

46. The statements given below describe certain features that are observed in the pistil of flowers-

- i. Pistil may have many carpels
- ii. Each carpel may have more than one ovule
- iii. Each carpel has only one ovule
- iv. Pistil have only one carpel

Choose the statements that are true from the options below:

(a) i and ii (b) i and iii (c) ii and iv (d) iii and iv

47. Which of the following situations correctly describe the similarity between an angiosperm egg and a human egg?

- i. Eggs of both are formed only once in a lifetime
- ii. Both the angiosperm egg and human egg are stationary
- iii. Both the angiosperm egg and human egg are motile
- iv. Syngamy in both results in the formation of zygote

Choose the correct answer from the options given below:

a) ii and iv (b) iv only (c) iii and iv (d) i and iv

48. Appearance of vegetative propagules from the nodes of plants such as sugarcane and ginger is mainly because:

- a. Nodes are shorter than internodes b. Nodes have meristematic cells c. Nodes are located near the soil d. Nodes have non-photosynthetic cells

49. Which of the following statements, support the view that elaborate sexual reproductive process appeared much later in the organic evolution.

- i. Lower groups of organisms have simpler body design
 - ii. Asexual reproduction is common in lower groups
 - iii. Asexual reproduction is common in higher groups of organisms
 - iv. The high incidence of sexual reproduction in angiosperms and vertebrates
- a) iii and iv (b) iv only (c) ii and iv (d) i and iv

50. Offspring formed by sexual reproduction exhibit more variation than those formed by Asexual reproduction because:

- a. Sexual reproduction is a lengthy process
- b. Gametes of parents have qualitatively different genetic composition
- c. Genetic material comes from parents of two different species
- d. Greater amount of DNA is involved in sexual reproduction.

ANSWER KEY

Q.No.	Ans								
1	C	11	A	21	D	31	D	41	B
2	B	12	A	22	C	32	B	42	B
3	A	13	D	23	B	33	C	43	D
4	A	14	A	24	D	34	B	44	C
5	C	15	D	25	B	35	B	45	B
6	D	16	A	26	A	36	B	46	A
7	B	17	B	27	B	37	D	47	A
8	A	18	B	28	D	38	A	48	B
9	D	19	C	29	C	39	C	49	C
10	D	20	B	30	C	40	A	50	B

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