

HOLIDAY ASSIGNMENT

BIOLOGY

CLASS-VIII

SECTION-A (MCQs)

Q1. The number of modes by which animals reproduce are

- (a) two
- (b) three
- (c) four
- (d) none of these

Q 2. Asexual reproduction is observed in

- (a) cow
- (b) buffalo
- (c) sponge
- (d) hen

Q3. The main function of guard cells is to help with _____

- (a) Transpiration
- (b) Guttation
- (c) Transcription
- (d) None of the above

Q4. Transpiration is regulated by the movements of _____

- (a) Parenchyma cells
- (b) Guard cells
- (c) Epithelial cells
- (d) None of the above

Q5. Ecosystem has two components

(a) plants and animals

(b) weeds and trees

(c) biotic and abiotic

(d) frogs and mentions

SECTION-B (VERY SHORT QUESTIONS)

Q6. Which chromosome does the unfertilised egg contain?

Q7. Which hormone balances the proportion of salts in the blood?

Q8. What do you mean by reproductive health?

Q9. Which hormone is released by pancreas? What is its function?

Q10. What is artificial ecosystem?

Q11. Differentiate between food chain and food web.

Q12. What are ecological pyramids?

Q13. Name two plants which reproduce through spores.

Q14. Why is regeneration considered a method of reproduction?

Q15. Which vegetative part is used in the propagation of Bryophyllum and mint?

SECTION-C (SHORT QUESTIONS)

Q16. A mother is angry at her child for misbehaving. The child is also afraid of scolding. Which hormones would be released in both their bodies? What will be the effect of the hormone?

Q17. (a) Which organ is responsible for implantation of zygote?

(b) State the function of fallopian tubes

Q18. What would be the ratio of chromosome number between an egg and its zygote? How is the sperm genetically different from the egg?

Q19. How does the embryo developing inside its mother's womb obtain its nutrition?

Q20. What changes are observed in the uterus subsequent to implantation of young

embryo?

Q21. Why are budding, fragmentation and regeneration all considered as asexual types of reproduction? With neat diagrams explain the process of regeneration in *Planaria*.

Q22. Given here is an enlarged diagram of a part of the root. Draw arrows on the diagram to show the movement of water passing through different parts.

Q23. Why plasma membrane is called semipermeable membrane?

Q24. What are the factors affecting the rate of diffusion?

SECTION-D (LONG QUESTIONS)

Q25. Explain the term reproductive health. What should we do to maintain reproductive health?

Q26. What is 'vegetative propagation'? Write two examples where it is used. State two reasons of practicing vegetative propagation for giving same types of plants.

Q27. Reproduction is essentially a phenomenon that is not for survival of an individual but for the stability of a species. Justify.

Q28. What is a clone? Why do offsprings formed by asexual reproduction exhibit remarkable similarity?

Q29. 36. Briefly explain, how transpiration helps in upward conduction of water in plants?

Q30. What is a food chain? Write a five-step food chain found in grass land with frog as one of the members. What will happen to organisms at different trophic levels if all the frogs are removed?