

GYANODAYA GURUKUL SCHOOL

HALF YEARLY EXAM(2019-20)

CLASS- XI

SUB – BIOLOGY

TIME- 3 HRS

F. M- 70

INSTRUCTIONS:

1. All questions are compulsory.
2. Section A consists of objective questions , each question carries 1 mark.
3. Section B consists of very short answer type questions, each question carries 2 marks.
4. Section C consists of short answer type questions , each question carries 3 marks.
5. section D consists of long answer type questions, each question carries 5 marks

QUESTION

SECTION – A

Q1. Identify from the following , the only taxonomic category that has a real existence.

- a) genus b) species
- c) phylum d) kingdom

Q2. *Oriza sativa* is the binomial name of which plant

- a) rice b) wheat
- c) pea d) mustard

Q3. Which of the following is a category?

- a) order b) family
- c) genus d) all of these

Q4. Among rust , smut and mushroom all three

- a) are pathogens b) are saprobes
- c) bear ascocarps d) bear basidiocarps

Q5. Which is correct

- a) slime moulds are haploid
- b) protozoan lack cell wall
- c) dinoflagellates are immotile
- d) pellicle is absent in euglena

Q6. Red tide is caused by member of

- a) algae b) dinoflagellates
- c) chrysophytes d) protozoa

Q7. which of the following is responsible for peat formation?

- a) *marcahntia* b) *riccia*
- c) *funaria* d) *sphagnum*

Q8. An example of colonial alga is

- a) volvox b) ulothrix
- c) spirogyra d) chlorella

Q9. two common features found in centipede, cockroach and crab are

- a) book lungs and antennae b) compound eyes anal cerci
- c) jointed legs and chitinous exoskeleton d) green glands and trachea

Q10. Metameric segmentation is the characteristics of

- a) molluscs and chordates b) platyhelmenthes and arthropods

c) echinodermata and annelids d) annelida and arthropoda

Q11. Urochordates are marine , sessile , feeding invertebrates chordates. Common example is

Q12. Four diagnostic characters of chordates are present ofdorsal nervous system , muscular tail.

Q13. The plant body in bryophytes represents the Phase and bears haploid In the gametangia.

Q14. Name the tallest angiosperm .

Q15. What type of genetic material present in Tobacco mosaic virus.

Q16. Name the Rna particle causing symptoms like that of a virus.

Or

Why are some fungi grouped under “ fungi imperfecti”

Q17. To which phylum mosses belong?

Or

Which substance form cell wall in fungi?

Q18. What does the abbreviation ICBN stands for?

Or

Who is known as father of classification?

Q19. What is radulla?

Or

Are the birds homeothermic or poikilothermic?

Q20. To which phylum *Balanoglossus* belong?

Or

Give example of ovoviviparous mammal.

SECTION- B

Q21. What is the nature of cell wall in diatoms?

Q22. Mention the need for biological classification.

Q23. What is herbarium what is its importance?

Or

What is the advantage of scientific names?

Q24. Give the various types pigments present in algae.

Q25. Define chemotaxonomy.

Or

Define numerical taxonomy

Q26. Why are bryophytes called amphibians of the plants?

Q27. Give the features of cnidarians which show advancement over porifera.

Or

What is ovovivipary?

SECTION-C

Q28. Name the criteria that are commonly used in the description and classification of animals.

Q29. Write the classification of tiger or human.

Q30. Differentiate between :

- a) open and closed circulatory system
- b) oviparous and viviparous development
- c) direct or indirect development

Q31. Write the salient features of brown algae.

Or

Write the salient features of red algae

Q32. How ascomycetes are different from basidiomycetes?

Or

Compare the salient features of monera and protista?

Q33. Write the salient feature of euglena with diagram.

Q34. Define these terms:

a) systematic b) karyogamy c) red tides

or

a) protonema stage b) sporophylls c) species

SECTION- D

Q35. Give the general characteristics of the vertebrates and list the distinguishing features of the classes under it.

Or

Comment upon the habitats and external features of animals belonging to class amphibia and reptile.

Q36. Compare the salient features of annelids and aschelmenthes.

Or

Compare the salient features of arthropods and molluscs.

Q37. Describe diplontic life cycle .In which type of plant diplontic life cycle is observed?

Or

Discuss the different system of classification in plants.