

Sahaj Adhyayan (सहज अध्ययन)

जर हे **Practice Question Papers** तुम्हाला खरंच फायदेशीर वाटत असतील तर तुमच्या सर्व मित्र मैत्रिणींना पाठवा.

त्यांना देखील ह्या सर्वांचा अभ्यासासाठी फायदा होऊ द्या.

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जर तुमच्या जवळ कोणत्याही इयत्तेच्या, कोणत्याही परीक्षेच्या, कोणत्याही विषयाचे, Question Papers असतील

तर ते आम्हाला WhatsApp वर पाठवा,

इतर विद्यार्थी मित्रांना त्या सर्वांचा उपयोग होईल.

FIRST SEMESTER EXAMINATION

Class : 11th

Time : 2.30 Hrs.]

Subject : **BIOLOGY**

[Marks : 50]

Note : (1) All questions are compulsory.

(2) Questions paper consists of 4 sections from A, B, C and D.

(3) Section-A contains Q.1 to Q.4 Multiple Choice Questions carrying one mark each and Q.5 to Q.8 very very short Answer Questions carrying one mark each.

(4) Section-B contains Q.9 to Q.15 Short Answer type Questions (SA-I) carrying two marks each.

(5) Section-C contains Q.16 to Q.21 Short Answer type Questions (SA-II) carrying three marks each.

(6) Section-D contains Q.22 to Q.23 Long Answer type Questions (LA) carrying five marks each.

(7) Start each section on new page.

(8) Draw diagram wherever necessary.

Section – A

(8 Marks)

Q.1. Which is not a property of living organism?

(a) Metabolism

(b) Decay

(c) Growth

(d) Reproduction

Q.2. Causative agent of red tide is

✓ (a) Dinoflagellate

(b) Euglenoid

(c) Chrysophyte

(d) Lichen

Q.3. Angiosperms and Gymnosperms resemble in having

(a) Vessels in wood

(b) Mode of nutrition

✓ (c) Siphonogamy

(d) Nature of seed

Q.4. Chitinous exoskeleton is a characteristics of

✓ (a) Dentalium

(b) Antedon

(c) Milipede

(d) Sea urchin

Q.5. How cytoplasm differs from nucleoplasm in chemical composition?

Q.6. What are building blocks of life? *Carbohydrates, proteins, lipids.*

Q.7. Some Mendelian crossing experimental results were shown to the students. Teacher informed that there are two genes located on the same chromosome. He enquired if they will be ever separated from each other?

Q.8. What are meristematic tissue?

Section – B

(14 Marks)

Q.9. Why do we have green house in botanical gardens?

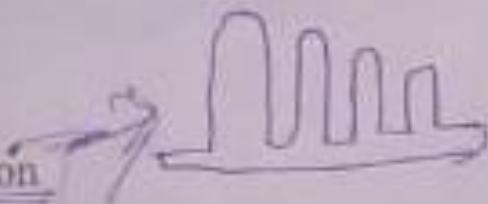
Q.10. Write a note on useful fungi.

Q.11. Differentiate between Dicotyledonae and Monocotyledonae based on the following characters.

(a) Types of roots

(b) Venation in the leaves

Q.12. Draw neat labelled diagram of *Sycon*

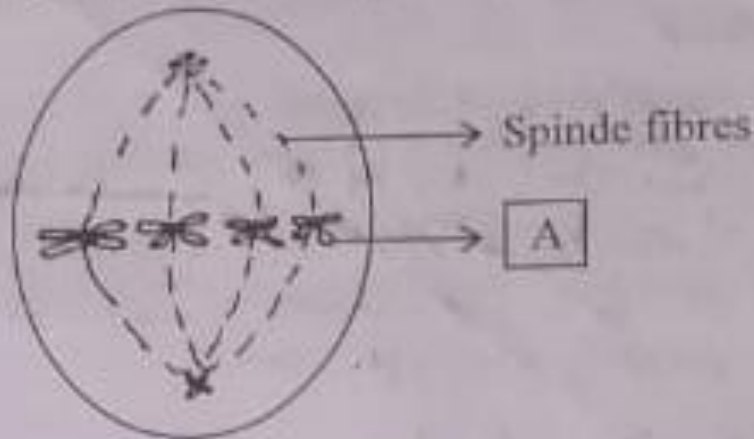


Q.13. Complete the flow chart *flow chart*



Q.14. Enlist the examples of simple protein and add their significance.

Q.15. Identify the following phases of mitosis and label the 'A'



(OR)

Match the following column 'A' with column 'B'

Column 'A'

Column 'B'

(a) Leptotene

(1) Crossing over

(b) Zygotene

(2) Desynapsis

(c) Pachytene

(3) Synapsis

(d) Diplotene

(4) Bouquet stage

Section - C

(18 Marks)

Q.16. Complete the following

(A) Plant - like Protista -

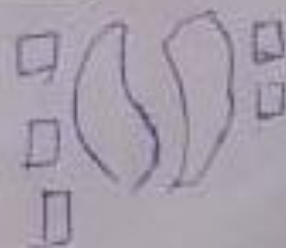
Algae

(B) Amoeba -

Entamoeba

(C) Fungi -

Gonyaulax



Q.17. Write a note on :

Role of human being in biodiversity conservation.

Q.18. Draw neat labelled diagrams.

Haplontic and haplodiplontic life cycle.

Q.19. Answer the following.

- (i) Fish and snake both have scales. How do these scales differ from each other.
- (ii) Crab and snail both have a protective covering material. Do you belong to the same Phylum?
- (iii) Sponge and sea star show calcareous protective material. Do they belong to the same Phylum?

Q.20. Distinguish between smooth and rough endoplasmic reticulum.

(OR)

Mitochondria are power of house of cell. Give reason.

Q.21. If an onion has 16 chromosomes in its leaf cell, how many chromosomes will be there in its root cell, pollen grain and leaf cell.

Section – D

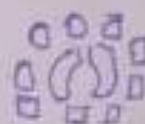
(10 Marks)

Q.22. Explain the classes of carbohydrates with examples.

(OR)

Explain the properties of enzyme? Describe the models for enzyme actions.

Q.23. (i) Draw a neat labelled diagram of stomata.



(ii) Differentiate between Xylem & Phloem functioning.

Q.22 (1) Note on explain (OR) 5 Kingdom system

Write notes on :

(2) Note on Virus

- (i) Secondary growth -
- (ii) Pervliarity of a sclerenchyma cell wall.

(1) Kingdom Monera BVK *Organisms belong*
Monera are Microscopic unicellular and
Prokaryotic.

11th Biology-(4)