

# SUCCESS KEY TEST SERIES

First Term Examination

**Subject: Biology**

Std: 11th Science

Time: 3Hrs

Date :

Chapter 1 to 8

Max Marks: 70

## Section A ( MCQ & VSA 1 MARKS Questions)

**Q.1 Select and write the correct answer:**

**10**

- (i) The cell division is restricted to \_\_\_\_\_.  
(a) Simple cells (b) Meristematic cells (c) Secretory cells (d) Permanent cells
- (ii) Chitinous exoskeleton is a characteristic of \_\_\_\_\_.  
(a) Dentalium (b) Antedon (c) Millipede (d) Sea urchin
- (iii) Phylum chordata is divided into \_\_\_\_ subphylum.  
(a) 4 (b) 2 (c) 5 (d) 3
- (iv) Which enzyme is needed to digest food reserve in castor seed?  
(a) amylase (b) diastase (c) lipase (d) protease
- (v) How many chromatids are present in anaphase-I of meiosis-I of a diploid cell having 20 chromosomes?  
(a) 4 (b) 6 (c) 20 (d) 40
- (vi) \_\_\_\_\_ play important role in heredity and variation.  
(a) Mitochondria (b) Nucleus (c) Cell wall (d) Plastid
- (vii) Which phase comes between  $G_1$  and  $G_2$  phase?  
(a) S phase (b) M phase (c) Prophase (d) Interphase
- (viii) Living organisms are:  
(a) Self replicating (b) Capable of responding to external stimuli  
(c) Self regulating interactive systems (d) All of the these
- (ix) Which fungi is known as parasitic fungus on mustard?  
(a) Albugo (b) Mucor (c) Agaricus (d) Ganoderma
- (x) \_\_\_\_\_ is not a perfect pair of Bryophytes.  
(a) Funaria : Bryophytes (b) Sphagnum : Bryophytes  
(c) Polytrichum : Bryophytes (d) Riccia : Bryophytes

**Q.2 Answer the following:**

**8**

- (i) What is meant by conservation of biodiversity? Explain its two types in short.
- (ii) What is the function of smooth endoplasmic reticulum?
- (iii) What is the function of rhizoids?
- (iv) Which one is the longest phase of cell cycle between  $G_1$  and  $G_2$ ?
- (v) Which fungi is commonly known as SAC fungi?
- (vi) What is the function of root hairs?
- (vii) What is the cell wall composition of collenchyma?
- (viii) Write down exoskeleton structure of Chondrichthyes.

## Section B (SA I - 2 MARKS EACH)

**Attempt any Eight:**

**16**

- Q.3** Distinguish between smooth and rough endoplasmic reticulum.
- Q.4** Give an account on lancelets.
- Q.5** Riya found peculiar plant on her visit to Himachal Pradesh. What are the ways she can show it to her biology teacher and get information about it?

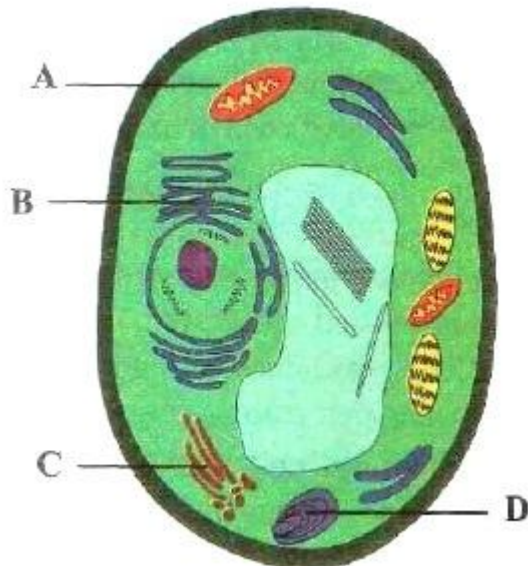
- Q.6** Complete the following  
 A. Plant-like Protista – \_\_\_\_\_  
 B. \_\_\_\_\_ - Entamoeba
- Q.7** What are microbodies? Mention their types and functions.
- Q.8** What is nucleotide? How is it formed? Mention the names of all nucleotides.
- Q.9** Why does the loss of biodiversity matter?
- Q.10** What is Mycoplasma?
- Q.11** Pteridophytes are also known as vascular Cryptogams - Justify.
- Q.12** How the life span of a cell is decided?
- Q.13** What is apoptosis? Write its significance.
- Q.14** Draw a well labelled diagram: Collenchyma

### Section C (SA II - 3 MARKS EACH)

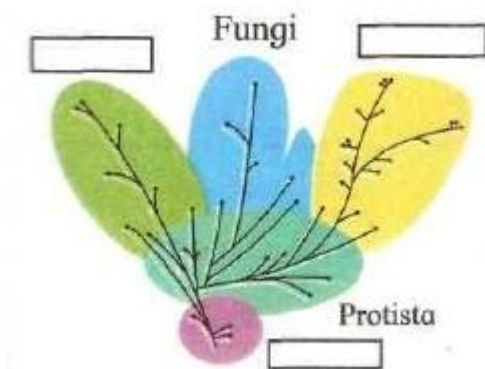
**Attempt any Eight:**

24

- Q.15** Distinguish between Chondrichthyes and Osteichthyes.
- Q.16** Write a brief note on properties of protein.
- Q.17** Label the A, B, C, and D in above diagram and write the functions of organelles A and B.



- Q.18** Write a brief note on the body plan in animals.
- Q.19** Classify meristematic tissue on the basis of origin.
- Q.20** Complete tree diagram in detail.



- Q.21** Distinguish between Plant cell and Animal cell.
- Q.22** Sketch and label a well labelled diagram: Structure of triglyceride

- Q.23** Write a short note on Haplontic and haplo-diplontic life cycle.  
**Q.24** State the general characteristics of Kingdom Animalia with example.  
**Q.25** Distinguish between Bryophyta and Pteridophyta.  
**Q.26** Distinguish between Dicotyledonae and Monocotyledonae.

**Section D (SA II - 4 MARKS EACH)**

**Attempt any Three:**

**12**

- Q.27** Explain the internal structure of dorsiventral leaf with the help of a neat and labelled diagram.  
**Q.28** Identify the animals given in pictures and write features of its phylum / class



- Q.29** Identify the animals given in pictures and write features of its phylum / class



- Q.30** Describe the structure of DNA.  
**Q.31** Label the diagram and write down the detail of concept in your word.



**----- All the Best -----**