

**FIRST TERM EXAM - 2023-2024**

**STD: X**

**TIME: 2 HR**

**SUB: Science - B**

**MARKS: 40**

---

**Q.1 A] Select the correct option and write the alphabet: (5 marks)**

1) \_\_\_\_\_ is the pioneer of Modern Genetic.

- a) Charles Darwin                      b) Gregor Mendel  
c) Willard Libby                        d) Huge De Vries

2) In humans, sperm production occurs in the organ \_\_\_\_\_

- a) Semen    b) prostate    c) testes    d) ovaries

3) The nitrogenous compound present in ATP is \_\_\_\_\_

- a) Ribose    b) guanine    c) adenine    d) pyruvic acid

4) Herdmania belongs to phylum \_\_\_\_\_

- a) Chordata              b) Urochordata              c) craniata  
d) Hemichordata

5) Cyclone is \_\_\_\_\_ disaster .

- a) Man made              b) geological              c) atmospheric              d) biological

**Q.1 B. Do as directed : (5 marks)**

1) Name two incurable diseases that disturb social health.

2) Find the odd term. Justify : -  
Transcription , Translation, Mutation, Translocation.

3) Complete the analogy :-

Simple binary fission : Amoeba : : longitudinal binary fission : \_\_\_\_\_

4) <sup>Tissue</sup> State True or false :-

Rehabilitation work starts in transitional phase.

5) Match the column :-

	A		B
a)	Sycon	i)	Germ cells
b)	Octopu <del>s</del> s	ii)	Blastocyst
		iii)	Collar cells
		iv)	Siphon

Q.2 A] Give scientific reasons :-

(any 2)

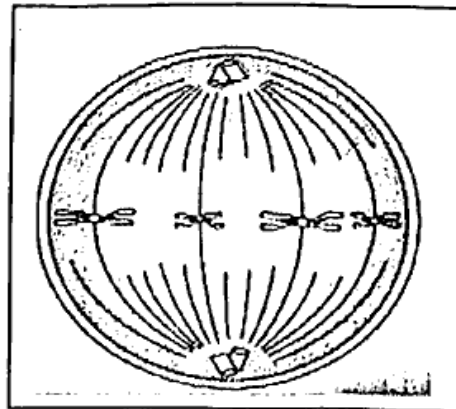
(4 marks)

- 1) Lamarck's theory was disproved.
- 2) Our body irritates if it comes in contact with jelly fish.
- 3) Sometimes, higher plants and animals too perform anaerobic respiration.

Q.2 B] Answer the following : (any 3)

(6 marks)

- 1) Differentiate between –  
Sexual and Asexual reproduction
- 2) Explain Mutation. Give one example.
- 3) What will you do? Why?  
Your younger sister has developed the hobby of snapping selfies.
- 4) What are the objectives of disaster management?
- 5) Identify the given image. Explain what you observe.



Q.3. Answer the following : - (any 5)

(15 marks)

1) Observe the given diagram and answer the following questions:



- 1) a) Name the first example of wise man.  
b) Who proposed the theory of evolution?  
c) Which form of ape was the first record of human – like animal?
- 2) **Write a note on** : - Vitamins
- 3) Explain the types of twins.
- 4) Give the characteristics of sub – phylum Vertebrata
- 5) Which changes occur in persons continuously using internet and mobile phones? <https://www.maharashtrastudy.com>
- 6) a) Name 2 sexual diseases  
b) Give symptoms of any one of those diseases.
- 7) **Observe the given picture**:
  - a) Identify the disaster and its type.
  - b) What will be your post-disaster management in case if you face this disaster?



8) Identify the given symbols and explain.

a)



b)



4 Attempt any one:

(5 marks)

- A]** 1) Draw a neat labelled diagram showing Tricarboxylic acid cycle.  
2) Explain glycolysis process.

OR

- B]** 1) Draw a neat labelled diagram of Balanoglossus.  
2) Name its phylum. Give one more example from the same phylum.  
3) Complete the following :

Balanoglossus is a connecting link between \_\_\_\_\_ and \_\_\_\_\_.

These animals are also called as \_\_\_\_\_. They have one to many \_\_\_\_\_.

THE - END

<https://www.maharashtrastudy.com>

Whatsapp @ 9300930012

Send your old paper & get 10/-

अपने पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से