

MM : 40

MOCK TEST SERIES

Time : 1½ Hrs.

Mock Test –1 (Class-10) Paper-II

Topics covered

Biology : Complete Syllabus of Class-X

Instructions :

- All questions are compulsory.
- Draw scientifically and technically correct labelled diagram wherever necessary.
- Start writing each main questions on a new page.
- The number to the right of the questions indicate full marks.
- For each MCQ (Q.1 (A)) evaluation would be done for me first attempt only.
- For each MCQ write only the alphabet corresponding to the correct answer eg. (i) (A); ii (c)...

BIOLOGY

Q 1A Select the correct alternative and write than alphabet against the sub question answer. [5]

- In case of _____ vegetative reproduction is done with the help of roots
(a) Potato (b) *Bryophyllum*
(c) Carrot (d) Grasses
- NCCS is location in
(a) Mumbai (b) Bengaluru
(c) Kolkata (d) Pune
- Out of ten phyla, most advanced phylum of Non-chordates is
(a) Cnidaria (b) Mollusca
(c) Hemichordata (d) Annelida
- First record of human-like animal in form of _____ ape is from East Africa.
(a) Neanderthal (b) *Rama Pithecus*
(c) *Dryopithecus* (d) *Egyptopithecus*
- Centrioles duplicate in _____ phase of Mitosis.
(a) Anaphase (b) Metaphase
(c) Prophase (d) Telophase

Q 1B Answer the following questions. [5]

- Find the odd one out
Bacteria, *Amoeba*, *Pramecum*, *Planaria*

- State whether the following statement is True or False.

Azolla is a plant used as Biofertilizer in agricultural field.

- Match the columns.

Column A	Column B
Members of Gynoecium	Petals
	Carpels
	Sepals
	Stamens

- Write the corrections:

Hydrocarbon : *Pseudomonas* :: Arsenic : _____

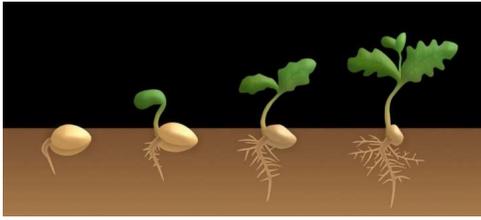
- Name any two forms of Green Energy.

Q 2 A Give Scientific reason (Any two) [4]

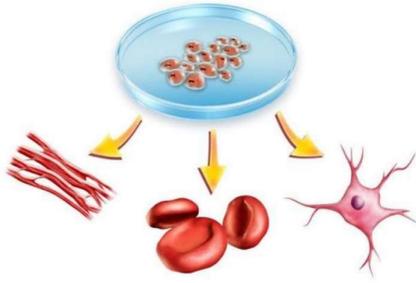
- Amino acids are obtained after digestion of proteins.
- Use of mutant strains has been increased in industrial microbiology.
- There is close relationship between disaster management and public participation.

Q 2 B Answer the following questions (Any 3) [6]

i. What does the following picture show? Write a brief note about the same.



ii.



iii. State the difference between (4 Points) Cnidaria and Chordata.

iv.



A -



B -

- (a) Identify the given signs/symbols.
- (b) Which disasters may occur if these signs/symbols are ignored?
- v. Classify the following organism as per the given points.

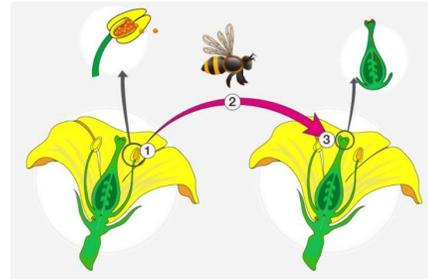
Classification	
Kingdom	
Phylum	
Sub-phylum	
Class	
Example	Rabbit



Q 3 Answer the following (any five) [15]

i. Observe the given diagram and answer the questions that follow.

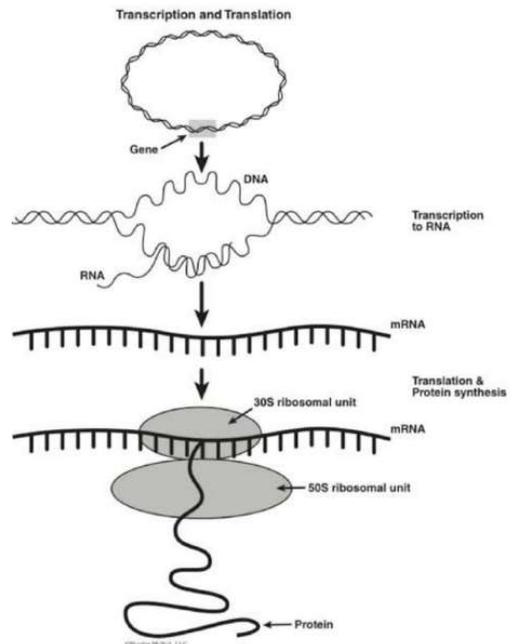
a. Which process has been depicted in the diagram. [0.5]



b. What is the contribution of the animal shown in the diagram. [1]

c. Why is the method significant in comparison to an alternate method in plants? [1.5]

ii. Refer to the picture about central dogma in cells and answer the questions that follow.



a. Define central dogma [1]

b. Name the two processes shown in the diagram and their significances. [2]

iii. "Many couples cannot have children due to various reasons but now with the help of

advanced medical techniques, the childless couple can have a child”.

Taking into consideration this statement, name the three medical techniques that have been utilized to fulfill this purpose and what problem or issue is overcome by them.

- iv. The following picture shows a particular situation. Write a brief note over it.



- v. Observe the animal shown in the adjoining figure. Write its name and its classification (phylum to which it belongs) and any four characteristics of this animal.



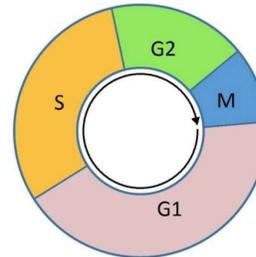
- vi. Fill in the blanks with appropriate words given in the bracket and complete the paragraph.

[C12 : C14, Platypus, Open, tracheal, C14:C12, Fossil, Body hairs, *Peripatus*, closed, pulmonary, stomach]

_____ is the connecting link between annelida and arthropoda because it possesses _____ respiration that is present in arthropod and _____ excretory system which is found in annelids. Apart from connecting links, remnants of past organisms called _____ also from good evidences of evolution. Ratio of _____ isotopes of carbon is used to determine age of fossils. Other evidences can be vestigial organs such as _____

- vii. Draw a labelled diagram of Human Female Reproductive System.
- viii. Observe the adjoining diagram and answer the following questions.

- a. What is shown in the diagram [0.5]



- b. Name all the phases shown. [0.5]
- c. Write the events that occur in G1 phase. [1]

Q 4 Answer the following (Any One) [5]

- i. Explain the different methods of Asexual reproduction along with suitable diagrams.