



VIVEK TUTORIALS

X (English)

(Prelim)

Science And Technology - II-(All)

DATE: 11-02-19

TIME: 2 hour

MARKS: 40

SEAT NO:

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Q.1 (A) Solve the following questions.

(5)

1) Musk deer : Rare species:: Lion tailed monkey:

2) Find the odd one out.

Root, Stem, Spores, Leaves

3) State true or false.

In Saccoglossus, notochord is present in proboscis and collar.

4) present in RNA is absent in DNA.

5) Name the following.

Art of preparing food items.

(B) Choose the correct alternative and rewrite the sentence.

(5)

1) Pollen grains germinate on

a. stigma b. style c. ovary d. filament

2) Genetically modified plants are all except ;

a. Golden Rice b. BT cotton c. BT brinjal d. Basmati rice

3) Body organization of animals is referred as 'Protoplasmic grade' organization.

a. unicellular b. multicellular c. higher chordates d. lower non-chordates

4) Which of the following is not a type of energy?

a. chemical b. Electrical c. Heat d. Sunlight

5) Which of the following is medicinal plant:-

a. Eucalyptus b. Adulsa c. Cinchona d. Dhatura e. All of the above

Q.2 Solve the following questions. (Any five)

(10)

1) Short note or Important of fruit processing.

2) Read the following statements and justify the same in your own words with suitable examples.

Geographical isolation of organisms gradually leads to speciation.

3) Give scientific reasons : Thought tortoise times on land and in water it can not be included in closes Amphibian.

4) Distinguish between.

Asexual Reproduction and Sexual Reproduction

5) Write a short note on prophase of mitosis

- 6) Read the following statements and justify the same in your own words with suitable examples.
Reproductive isolation of organisms gradually leads to speciation.
- 7) Give scientific reasons : Nowadays, safer vaccines are being produced.

Q.3 Solve the following questions. (Any five)

(15)

- 1) In case of multicellular animals, germ layers are formed during initial period of their embryonic development and from those germ layers only, different tissues are formed in the body. In case of some animals, only two germ layers [Endoderm & ectoderm] are formed. Ex.: All Cnidarians. In most of all the remaining animals, three germ layers are formed i.e. mesoderm besides endoderm & ectoderm.

1. Which are the three types of germ layers?
2. Which phylum is known to be diploblastic?

- 2) Reconstruction Phase:

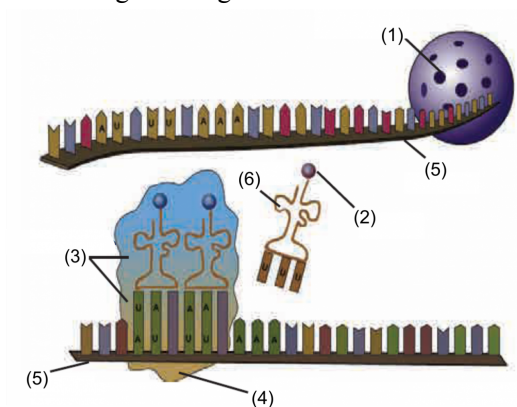
This is highly complicated phase. This phase begins in phase. People reconstruct their buildings and facilities like roads and water supply are restored. Farming practices are restarted. However, it takes long time for Planet Earth has experienced many disasters. Listening to the description of those disasters brings numbness to the mind. Most of the disasters and related unprecedented situations have been occurred in the continent and region of Ocean. Huge loss to the life and the planet Earth has been occurred due to such disasters. Generally, such conditions of natural imbalance have been arisen due to greed of economic progress of human being. In reality, old problems of several years have become fierce. Ex. Increasing population, its increasing needs emerging problems out of it are now at the extreme end. Such disasters have been increased after the Condition of instability arises in the country due to various reasons like economic inequality, racial and religious differences, etc.

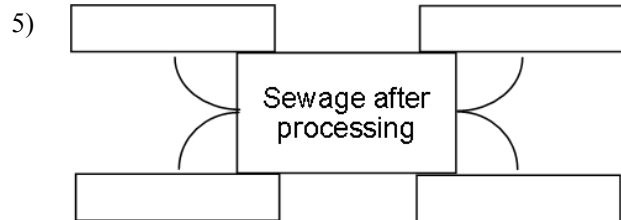
- 3) Mock drills.

It is a practice to check the preparedness of facing the disaster as early as possible. Virtual / Apparent situation of disaster is created to check the reaction time for any type of disaster. Trained personnel observe their responsibilities to check execution of plan designed for disaster redressal. This helps to check the efficacy of the system prepared for disaster redressal. Mock drill is arranged on disaster of fire in various schools by the fire fighters. It includes the demonstrations like extinguishing the fire, rescuing the people trapped at higher floors of buildings, rescuing the persons whose clothing have caught the fire, etc. Such activities are also arranged by police force and voluntary organizations.

1. How is the reaction of any person checked during a disaster?
2. Who arranges the Mock drills and where?
3. What are the activities taught at a Mock drill?

- 4) Label the given diagram.





6) What is the criteria for stem cell classification ? Give few examples of each.

7) What do you learn from the story of Jadav Molai Peyang?

Q.4 Solve the following questions. (Any one)

(5)

1) Yoghurt is a milk product. How is it prepared commercially?

2) Draw a diagram for electromagnetic induction and label it. (At least 4 labels)