

LITTLE FLOWER CONVENT HIGH SCHOOL, SOLAPUR
SCIENCE AND TECHNOLOGY PART - II

Prelims II
2021-2022

Time – 1 Hours

Std: X

Marks : 50

Q-I-A –Choose the correct option and write its alphabet for the questions. (10)

- 1) Transfer of information from molecule of DNA to MRNA is called ____ process.
(a) Translocation (b) translation (c) transcription (d) mutation
- 2) For formation of plasma membrane _____ molecules are necessary.
(a) fatty acids (b) translation (c) Proteins (d) Carbohydrates
- 3) _____ is a cold blooded animal.
(a) Bat (b) Snake (c) Rabbit (d) Elephant
- 4) Bacteria that are used to clear the oil spills are called _____
(a) phenol oxidizing (b) Electrolytic
(c) Hydro Carbanoclastic (d) decomposing
- 5) Transgenic raw potatoes generate the immunity against _____ disease
(a) Plague (b) Cholera (c) Leprosy (d) tuberculosis
- 6) Yeast reproduces by _____
(a) budding (b) binary fission (c) Spore formation (d) multiple fission
- 7) World Biodiversity day is celebrated on _____
(a) 22nd May (b) 5th June (c) 21st March (d) 22nd April
- 8) It took millions of years for the formation of _____ fuels.
(a) Fossil (b) Said (c) gaseous (d) chemical
- 9) _____ an alcohol is a clean fuel
(a) Ethanol (b) Butanol (c) Methanol (d) Pentanol
- 10) Adulsa is taken to cure _____
(a) Cough (b) Malaria (c) Fever (d) Vomiting

Q-II- Find the correlation (5)

- 1) Peripatus : Connecting link :: Appedix: _____
- 2) Insulin : Diabetes :: Interleukin : _____
- 3) Yoghurt : Bacteria :: cheese : _____
- 4) Series of solar cells : Solar panel :: Arrangement of string : _____
- 5) Fats : fatty acids :: Proteins : _____

Q-III- State True or false (5)

- 1) Process of glycolysis occurs in cytoplasm.
- 2) Amino acids are supplied by t RNA.
- 3) The mother is responsible for a girl child
- 4) Environment is made up of one type of ecosystem.
- 5) Cell biology includes the study of cell derision

Q-IV- Match correctly (5)

| | Column A | Column B |
|---|-----------------------|--------------------|
| 1 | Bio-fertilizer | 1) Viral infection |
| 2 | Golden rice | 2) Silicon |
| 3 | Interferon | 3) Uranium |
| 4 | Solar cell | 4) Hybrid Seeds |
| 5 | Nuclear power station | 5) Azotobacter |

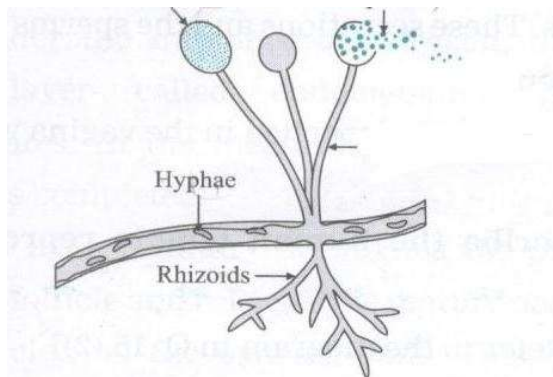
Q-V- Name the following (5)

1. Female whorl of the flower?
2. Name the organisms that perform multiple fission
3. List any two organs that can be donated?
4. System that is affected by alcohol consumption?
5. Glycolysis is also called as

Q-VI- Observe the figure and answer the following questions.

Each question carry one mark

(5)



- 1) Identify the process shown in the figure
- 2) Name the type of reproduction?
- 3) What does the filamentous body possess?
- 4) When are the spores released?
- 5) What happens when spores germinate in moist place?

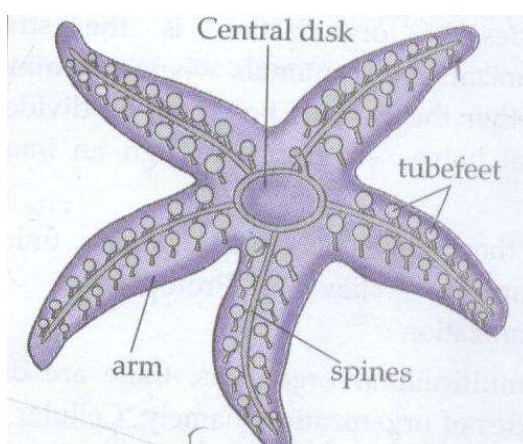
Q-VII- Find the odd man out:

(5)

- 1) Bryophyllum, Carrot, Raddish, Spirogyra
- 2) Deer, Elephant, Zebra, wolf.
- 3) Liver, Heart, Eyes, Kidney
- 4) Resurgence, Restoration, Redemption, Repetition
- 5) Transcription, Translation, Translocation, Transpiration

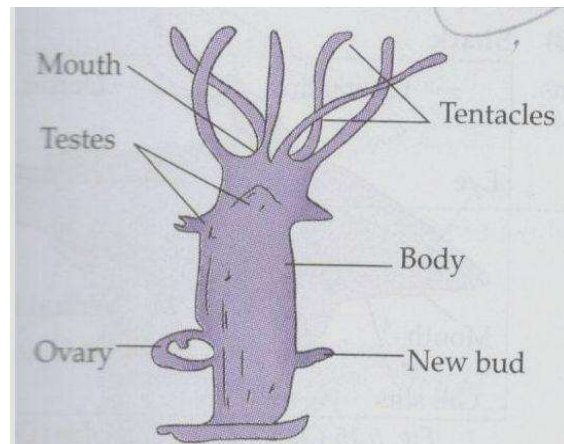
Q-VIII- Identify the phylum to which the following animals belong to?

(5)



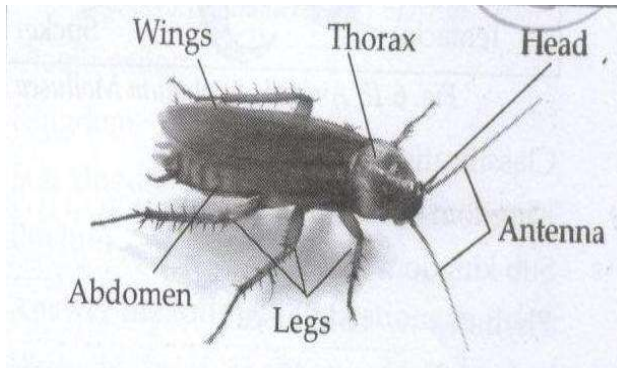
1)

Phylum : _____

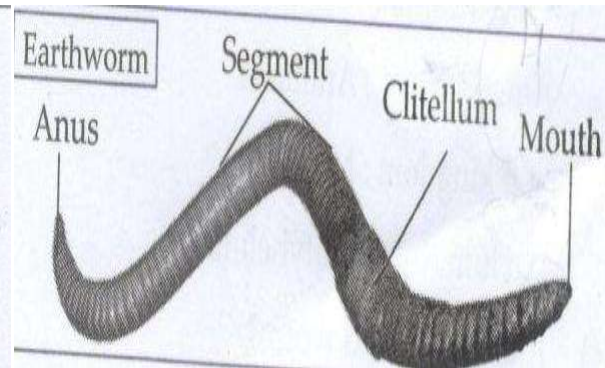


2)

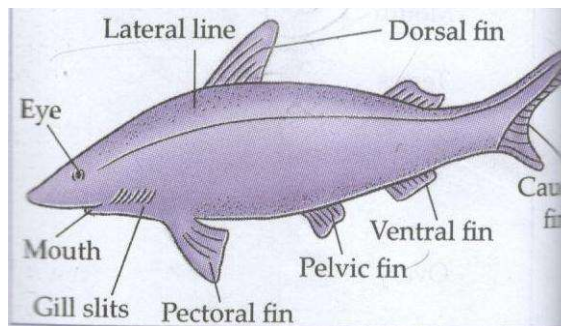
Phylum : _____



3)
Phylum : _____



4)
Phylum : _____



5)
Phylum : _____

Q-IX- Choose the correct alternative from below to complete the paragraph (5)

(dumped, biochemical's, Sawdust decompose, microbes)

Compressed waste is _____ in the pit. It is covered with layer of _____, leafy waste and _____. _____ present in the soil and other top layers _____ the waste