
The Education Center.

FINAL- TERM EXAMINATION

Class: Senior I
Time: 1hr

Subject: Biology
Max marks 15

Paper I

1. **Which plant organ is involved in reproduction?**
 - a. Roots
 - b. leaves
 - c. Flower
 - d. Stem

2. **The plants absorb water by an organ;**
 - a. Roots
 - b. Root hairs
 - c. Stomata
 - d. Vascular Bundles

3. **The matting of male & female cells to start the growth of new living things is called;**
 - a. Fertilization
 - b. Pollination
 - c. Germination
 - d. Sporulation

4. **Nitrates are used by the plants for growth. Which option shows the correct pathway taken by nitrates in plants?**

- a. Roots — Leaf — Stem
- b. Stem — Leaf — Root
- c. Leaf — Stem — Root
- d. Root — Stem — Leaf

5. **An organism has six joined legs are included in;**

- a. Birds
- b. Arthropods
- c. Cnidarians
- d. Annelids

6. **A key can be used to identify & classify organisms;**

- a. Dichotomous key
- b. Bichotomous key
- c. Trichotomous key
- d. monochotomous key

7. **The biological name of frog is;**

- a. Homo sapiens
- b. Solonum nigram

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- c. *Brassica compestris*
 - d. *Rana tigrina*
8. **Mushrooms & toad stools are classified under the Kingdom;**
- a. Plantae
 - b. Animalia
 - c. Fungi
 - d. Protocista
9. **Reptiles breathe by an organ;**
- a. Gills
 - b. Lungs
 - c. Skin
 - d. Nostrils
10. **The main function of petals is;**
- a. To attract insects
 - b. To provide food for insects
 - c. To male pollen
 - d. To protect the ovary

11. What is the end- product of Photosynthesis?

- a. Carbohydrates
- b. Chlorophyll
- c. Starch
- d. Oxygen

12. How is the binomial name of an organism obtained?

	First name	Second name
a.	Species	Class
b.	Species	Genus
c.	Family	Genus
d.	Genus	Species

13. Round worms belongs to the phylum;

- a. Cnidaria
- b. Platyhelminthes
- c. Nematoda
- d. Annelida

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14. Conifers are the example of;

- a. Filicinophyta
- b. Gymnosperm
- c. Angiosperm
- d. Bryophyta

15. Which of the following is not the characteristic of plants?

- a. Only green plants can photosynthesis
- b. Some of the smaller plants able to move
- c. They can respire through stomata
- d. They are herterotrophs

Paper II

Q1. (a) Label the following diagram of Carpel.

(Marks 3)

(b) What are the functions of following parts of the flower?
5)

(Marks

- i. Sepal
- ii. Stigma
- iii. Stamen
- iv. Pollen tube
- v. Thalamus

Q2. Illustrate the characteristics of living organism.

(Marks 3)

Characteristics of living organism

growth		movement		adaptability	respiration		sensitivity
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Q3. Name and explain the processes with the help of given diagrams. (Marks 10)

- i. ii.

Q4. State any TWO differences between the following with examples. (Marks 9)

- i. Class Mammalians and Aves [/3]
- ii. Monocot and Dicot plants [/3]
- iii. Angiosperms and Gymnosperms [/3]

Q5. (a) Complete the flow chart to show the parts of the plant through which the pollen cell will travels it goes down through the pollen tube to fertilize the egg. (Marks1)



2.

- (b) Name the agents by which pollen grains travelled from one plant to the other? (Marks 5)**
- (c) Name the process in which pollen grains came from another plant of the same species. (Mark 1)**
- (d) Suggest why plants with bright flowers are mainly insect pollinated while grass flowers are usually wind pollinated? (Marks 2)**

Q6. Complete the flow chart by inserting proper Phylum and classes with appropriate example listed below: (Marks 10)

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|---------------|----------------------|-----------|------------|
| • Arthropods | Small internal shell | Ants | Amphibians |
| • Crustaceans | Arachnids | Reptiles | Snail |
| • Turtles | Molluses | Octopuses | Sharks |
| • Spiders | Pelicans | Humans | Frogs |
| • Fish | Prawns | Mammals | Birds |

ANIMALS

Vertebrates

Invertebrates

- | | | | |
|----|-----|--------|---------------------------|
| 1. | 6. | 11. | 12. |
| 2. | 7. | | |
| 3. | 8. | | |
| 4. | 9. | Insect | 13. 14. External shell15. |
| 5. | 10. | | |

No shell

16.

17.

18.

19.

Squi

20.
