

Cambridge Section

Biology Paper – I

Time Allowed: 30 Min

Max Marks: 15

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
 - c. Brassica compestris
 - d. Rana tigrina
8. **Mushrooms & toad stools are classified under the Kingdom;**
- a. Plantae
 - b. Animalia
 - c. Fungi
 - d. Protoctista
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. How is the binomial name of an organism obtained?

First name	Second name
Species	Class
Species	Genus
Family	Genus
Genus	Speciecs

12. Round worms belongs to the phylum;

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

13. Conifers are the example of;

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

14. 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

15. What is the end- product of Photosynthesis?

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

PAPER: 2

Max Marks: 65

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

(Marks 3)

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

- i. **Sepal:** _____

- ii. **Stigma:** _____

- iii. **Stamen:** _____

- iv. **Pollentube:** _____

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- v. **Thalamus:** _____

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Q2. Illustrate the characteristics of living organism. (Marks 4)

Characteristics of living organism							
growth		movement		adaptability			sensitivity

Q3. Name and explain the processes with the help of given diagrams. (Marks 10)

i). Name the process:_____ [/5]

Explanation:_____

ii. Name the process:_____ [/5]

Explanation:_____

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Q4. State any TWO differences between the animals in these Classes. (Marks 2)

Mammalian	Aves

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. (Mark 1)

Stigma

Ovule

(b) Name the agents by which pollen grains travelled from one plant to the other? (Marks 5)

i. _____ ii. _____ iii. _____

iv. _____ v. _____

(c) Name the process in which pollen grains came from another plant of the same specie.

(Mark 1)

(d) Suggest why plants with bright flowers are mainly insect pollinated while grass flowers are usually wind pollinated? (Marks 2)

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Q6. Write down the differences between the following:

(Marks 6)

Monocot plant	Di-cot plant
1)	1)
2)	2)
Examples are:	Examples are:
Flowering plant	Non- flowering plant
1)	1)
2)	2)
Examples are:	Examples are:

Q7. Complete the flow chart by using the words listed below:

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

