

Class : 11

FIRST REVISION EXAMINATION - JANUARY - 2023

BIOLOGY

Time : 1 hour
PART - I (Multiple Choice) : 20
SECTION - I

Ques. 10. Answer all the questions.

10. Choose the most appropriate answer from the given four alternatives and write the correct code and corresponding answer.

1. Basic anatomy of most of the characteristics of the leaves of

a. Grass	b. Sugarcane	c. Wheat	d. Maize
----------	--------------	----------	----------
2. Phloem is found in

a. Root	b. Stem	c. Pith	d. Cambium
---------	---------	---------	------------
3. Bryophytes and Gymnosperms are examples for

a) Foliar bud, apical bud	b) Foliar bud, axillary bud
c) Axillary bud, apical bud	d) Axillary bud, foliar bud
4. Apical bud develops from

a) Multicellular apical meristem	b) Multicellular vascular meristem
c) Multicellular meristem	d) Vascular meristem
5. Our cell can divide itself once approximately in

a) 24 hours	b) 24 minutes	c) 24 seconds	d) 24 days
-------------	---------------	---------------	------------
6. Father and Crick model of DNA double helix is

a) A	b) C	c) H	d) S
------	------	------	------
7. Structural vesicle formed are present in

a) Cytosol	b) Lysosome	c) Golgi	d) Vacuole
------------	-------------	----------	------------
8. Stimulus of a plant open due to

a) influx of K^+	b) efflux of K^+	c) influx of Cl^-	d) efflux of Cl^-
--------------------	--------------------	---------------------	---------------------

SECTION - II

9. Answer any four of the following questions. (4x4=16)
9. What do you infer from the term 'peristalsis'?
 10. Differentiate between tapeworm and ciliate.
 11. Differentiate DNA and RNA.
 12. Why the cells of eukaryotes and bacteria become dead?
 13. Write any two significances of Pentose Phosphate Pathway.
 14. Define hydrotropism.

SECTION - III

10. Answer any three of the following questions. Q no 10 is compulsory. (3x5=15)
10. Write the similarities and differences between phloem and xylem.
 11. Give a general account on insects.
 12. What are the three types of economic classification?
 13. Write any three significances of nitrate.
 14. What are the parameters which control water potential?

SECTION - IV

11. Answer all the questions. (2x5=10)
20. a) Distinguish between prokaryotes and eukaryotes. (OR)
 - b) Briefly discuss on five Kingdom classification. Add a note on merits and demerits.
 21. a) Write the differences between Sap wood and Heart wood. (OR)
 - b) Write the physiological effects of Auxin.

PART - 2 | BIOLOGY | Max. Marks: 75
SECTION - I

- Choose the correct answer:
According to Aristotle, animal without red blood is called as:
a) Echino b) Annelid c) Erythro d) Protozoa
- Match the following animals and select the correct habitat:

Column - I	Column - II
(i) Fish	(i) Desert
(ii) Deer	(ii) Ocean
(iii) Desert fox	(iii) Ponds
(iv) Octopus	(iv) Tropic

- Match column I with column II and choose the correct option:

Column - I	Column - II
(i) Small intestine	(i) Largest factory
(ii) Pancreas	(ii) Absorption of water
(iii) Liver	(iii) Carrying absorbed solution
(iv) Colon	(iv) Digestion and absorption
- Match the following:

(i) P - IV	(ii) Q - II	(iii) R - III	(iv) S - I
(i) P - IV	(ii) Q - III	(iii) R - II	(iv) S - I
- Match the following:

(i) P - IV	(ii) Q - III	(iii) R - II	(iv) S - I
(i) P - III	(ii) Q - II	(iii) R - I	(iv) S - IV
- Match the following:

(i) P - IV	(ii) Q - III	(iii) R - II	(iv) S - I
(i) P - III	(ii) Q - II	(iii) R - I	(iv) S - IV

- Match the following:

(i) P - IV	(ii) Q - III	(iii) R - II	(iv) S - I
(i) P - III	(ii) Q - II	(iii) R - I	(iv) S - IV
- Match the following:

(i) P - IV	(ii) Q - III	(iii) R - II	(iv) S - I
(i) P - III	(ii) Q - II	(iii) R - I	(iv) S - IV

SECTION - II

- Answer any 4 of the following Questions. Question No.14 is Compulsory. (4x)
- What is the role of Charles Darwin in relation to concept of species?
- Why are spines and spicules important in a sponge?
- How do earthworms breathe?
- Comment on homeostasis.
- Draw and label the LA of Human Kidney.
- How does Adrenaline prepares our body suitable for sudden fight?

SECTION - III

- Answer any 3 of the following Questions; Question No.19 is Compulsory. (3x)
- Could the number of eggs or young ones produced by an oviparous and viviparous female equal? Why?
- Distinguish between mitral valve and semi lunar valve.
- How "Thymus gland" act as Endocrine gland as well as lymphoid organ?
- Write the peculiar characters of duck.
- How does "Thymus gland" act as Endocrine gland as well as lymphoid organ?

SECTION - IV

- Answer the the following Questions: (2x)
- What is an epithelium? Enumerate the characteristic features of different epithelia. (OR)
- Briefly explain the process of Inspiration and Expiration.
- What are the benefits of regular exercise? (OR)
- Discuss the various techniques adopted in cattle breeding?