

Student Centric Activities

B. Sc-II



Rayat Shikshan Santha's

D. P. Bhosale College, Koregaon

Department of Botany

Practice Exam Notice

B. Sc.-II, Semester- III; Paper- V

Date: 10.01.2022

All students of B. Sc. Part II are informed that, Objective Practice Test (Online mode) have been organized on 12nd January, 2022. All students are requested to join provided link on time.

Kavopnoja

Head

Department of Botany
D. P. Bhosale College, Koregaon



Rayat Shikhan Sanstha's

D. P. Bhosale College, Koregoan

Department of Botany

B.Sc. II Year Evaluation Test Paper V

2021-22

- 1). What may be defined as occurrence of two or more embryos in one ovule?
 - a. Polyembryony
 - b. Nucellus
 - c. Parthenocarpy
 - d. Embryogenesis
- 2). Who noticed polyembryony in orange seeds?
 - a. Ernst
 - b. Winkler
 - c. Schnarf
 - d. Anton Von Leeuwenhoek
- 3). The true or false polyembryony is given by?
 - a. Winkler and Schnarf
 - b. Ernst and Schnarf
 - c. Ernst and Winkler
 - d. Leeuwenhoek and Ernst
- 4). The term apomixis is coined by?
 - a. Schnarf
 - b. Winkler
 - c. Leeuwenhoek

d. None

5). Apomixis is of how many main types

a. 4

b. 5

c. 2

d. 1

6). In adventive embryony, the embryo develops directly from the?

a. Zygote

b. Accessory embryo sacs in the ovule

c. Antipodals or synergids in an embryo sac

d. Integuments or nucleus

7). Polyembryony was first seen in ?

a. Tamarind

b. Sapota

c. Citrus fruit

d. Watermelon

8). What is diplospory

a. Embryo develops from megaspore mother cell

b. Embryo develops from integuments

c. Embryo develops from synergid cells

d. Embryo develops from antipodal cells

9). The fusion of 2 haploid gametes during fertilization is referred as

a. Syngamy

b. Apomixis

c. Pollination

d. Apospory

10). When embryos are developed from cells of nucellus it is referred as

- a. Monosporic
- b. Polyembryony
- c. Apomictic
- d. Multiovulate

11). The process of formation of embryo with fertilization is known as

- a. Polyembryony
- b. Apomixis
- c. Amphimixis
- d. Vivipary

12). In sexual reproduction fertilization and are the crucial stages

- a. Pollination
- b. Meiosis
- c. Mitosis
- d. Polyembryony

13). The vegetative propagation of the plants is one type of

- a. Polyembryony
- b. Apomixis
- c. Parthenocarpy
- d. Sexual Reproduction

14). The product of double fertilization is

- a. Endosperm
- b. Embryo sac
- c. Nucellus

d. Synergids

15). The embryo developed from any haploid cell of female gametophyte is referred as..... polyembryony?

a. False

b. True

c. Sporophytic

d. Apomictic

16). Indiploid cell is formed from megaspore mother cell

a. Monospy

b. Vivipary

c. Diplospory

d. Amphimixis

17). Necrohormone theory was given by ?

a. Haberlandt

b. Schnarf

c. Earnst

d. Winkler

18). In plants, apomixis pertains to plant development?

a. from root cuttings

b. from cuttings of stem

c. without the gametes having to fuse

d. fusion of gametes

19). Processes by which Embryos are formed by eliminating meiosis and syngamy is called?

a. Agamospermy

b. Polyembryony

- c. Apospory
- d. Parthenocarpy

20). It includes vegetative reproduction and agamospermy.?

- a. Recurrent apomixis
- b. Non- recurrent apomixis
- c. Both
- d. None of the above

21). The primary endosperm nucleus is

- a. tetraploid
- b. triploid
- c. diploid
- d. haploid

22). The white edible part of maize is

- a. Pericarp
- b. seed coat
- c. endosperm
- d. seed

23). The polar nuclei and male gamete fuse to form

- a. secondary nucleus
- b. zygote
- c. triple fusion
- d. PEN

24). The outermost proteinaceous layer of maize endosperm is called

- a. pericarp
- b. epidermis

c. aleurone

d. tunica

25). Glyoxysomes are present in

a. root hairs

b. palisade cells of leaf

c. endosperm of wheat

d. endosperm of castor

Answers

1) a, 2) d, 3) b, 4) b, 5) c, 6) d, 7) c, 8) a, 9) a, 10) b, 11) c, 12) b, 13) b, 14) a, 15) b, 16) c, 17) a, 18) c, 19) a, 20) a, 21) b, 22) c, 23) d, 24) c, 25) d

D. P. Bhosale
Head
Department of Botany
D. P. Bhosale College, Koregaon



Rayat Shikshan Santha's

D. P. Bhosale College, Koregoan

Department of Botany

Practice Test Notice

B. Sc.-II, Semester-III; Paper- VI

Date: 26.01.2022

All students of B. Sc. Part I are informed that, Objective Practice Test (Online mode) have been organized on 28th January, 2022. All students are requested to join provided link on time.

Head

Head
Department of Botany

Department of Botany

D. P. Bhosale College, Koregaon



RayatShikshaSanstha's

D. P. Bhosale College, Koregoan

Department of Botany

B.Sc. IInd Year Evaluation Test Paper VI

1. _____ influences the process of flowering in plants.

- a. Photoperiod
- b. Water in the soil
- c. The acidity of the soil
- d. Amount of green pigment

2. Phytochrome is a photosensitive pigment involved in _____.

- Geotropism
- Phototropism
- Photoperiodism
- Photorespiration

3. In which of the following living species, phytochrome, the blue-green pigment is found?

- a. Algae
- b. Fungi
- c. Flowering plants
- d. Vascular cryptograms

4. The change over from vegetative to reproductive phase in plants takes place in response to _____.

- a. Length of the day
- b. severity of temperature
- c. Oxygen content in the air
- d. mainly the food material available in the soil

5. The reversal of etiolation effected by light is called _____.

- a. Photomorphogenesis
- b. Richmond Lang effect

- c. Anisotropic wall expansion
- d. Red-far red light interaction

6. A plant that require not less than 10 hours of light to flower is called _____.

- a. Day-neutral plant
- b. Short day plant
- c. Long day plant
- d. None of the above

7. Which of the following hormone can replace vernalization?

- a. Auxin
- b. Ethylene
- c. Cytokinins
- d. Gibberellins

8. When the dark period of short-day plants is interrupted by brief exposure of light, then the plant _____.

- a. Produces more flowers
- b. Will not bear any flowers
- c. Turns into a long day plant
- d. Produces flowers immediately

9. Which of the following pigment involved in red-far red light interconversion?

- a. Cytochrome
- b. Lycopene
- c. Phytochrome
- d. Xanthophyll

10. Cholodny-Went theory is based on_____.

- a. Phototropism
- b. Photoperiodism
- c. Photorespiration
- d. Photomorphogenesis

11. What is produced as byproduct of photosynthesis?

- a. Oxygen
- b. Nitrogen

c. Carbon dioxide

d. Sulphur dioxide

12. What type of energy can be used by all organisms?

a. Light energy

b. Chemical energy

c. Heat energy

d. Water potential

Answer key

1.a., 2.c., 3.c., 4.a., 5.a., 6.c., 7.d., 8.b., 9.c., 10.a., 11.a., 12.b.

Kavayojna
Head
Department of Botany
D. P. Bhosale College, Kalyan

Student Centric Activities

B. Sc-III



Rayat Shikshan Santha's

D. P. Bhosale College, Koregoan

Department of Botany

Practice Exam Notice

B. Sc.-III, Semester- V Paper- IX

Date: 10.01.2022

A student of B. Sc. Part III Ms. Madhuri Kajale informed that practice exam is organized on 12th January, 2022.

K. W. P. N. J. C.
Head

Department of Botany



Rayat Shikhan Sanstha's

D. P. Bhosale College, Koregoan

Department of Botany

B. Sc III, Paper IX, Semester V, Genetics and Plant Breeding

Question Paper

Question : Describe linkage and crossing over?

Answer key:

Introduction-

1 mark

Example-

4 marks

Karapniju
Head

Department of Botany
D. P. Bhosale College, Koregoan



Rayat Shikshan Santha's

D. P. Bhosale College, Koregoan

Department of Botany

Practice Test Notice

B. Sc.-III, Semester-V Paper- X

Date: 15.01.2022

A student of B. Sc. Part III Ms. Madhuri Kajale informed that practice test is organized on 17th January, 2022.

Kajale
Head
Head
Department of Botany
Department of Botany
D. P. Bhosale College, Koregoan



Rayat Shikhan Sanstha's
D. P. Bhosale College, Koregoan
Department of Botany

B. Sc III, Paper X, Semester V, Microbiology, Plant Pathology and Mushroom Culture
Technology

Question Paper

Q. Describe

1. Citrus canker
2. Grassy shoot of Sugarcane

Answer Key:

Host –	1 Mark
Causal Organism	1 Mark
Symptom	1 Mark
Disease cycle	1 Mark
Control Measure	1 Mark

Kavayojin

Head

Department of Botany
D. P. Bhosale College, Koregoan



Rayat Shikshan Santha's

D. P. Bhosale College, Koregoan

Department of Botany

Practice Test Notice

B. Sc.-III, Semester-V; Paper- XI

Date: 29.01.2022

A student of B. Sc. Part III Ms. Madhuri Kajale informed that practice test is organized on 31st January, 2022.

K. Rajopngin
Head
Head
Department of Botany
Department of Botany
D. P. Bhosale College, Koregoan



Rayat Shikhan Sanstha's

D. P. Bhosale College, Koregoan

Department of Botany

B. Sc III, Paper XI, Semester V, Cytology and Research Techniques in Biology

Question Paper

Q. Describe ultrastructure of Mitochondria and Chloroplast?

Answer Key:

Diagram	2 marks each
Discription of structure	2 marks each
Importance of cell organellea	1 mark

K. Anand

Head

Department of Botany

D. P. Bhosale College, Koregoan



Rayat Shikshan Santha's

D. P. Bhosale College, Koregoan

Department of Botany

Practice Test Notice

B. Sc.-III, Semester V; Paper- XI

Date: 22.01.2022

A student of B. Sc. Part III Ms. Madhuri Kajale informed that practice exam is organized on 24th January, 2022.

Kawapncja

**Head
Head**

**Department of Botany,
Department of Botany,**

D. P. Bhosale College, Koregoan



Rayat Shikhan Sanstha's

D. P. Bhosale College, Koregoan

Department of Botany

B. Sc III, Paper XII, Semester V Horticulture and Gardening

Question paper

Q. What are the different types of Gardening?

Answer Key:

Introduction 1 marks

Types 2 marks

Examples 2 marks

K. W. P. N. J.
Head
Department of Botany
D. P. Bhosale College, Koregoan

Rayat Shikhan Sanstha's
D. P. Bhosale College, Koregoan
Department of Botany
Student centric activities 2021-2022

Advance /Slow Learner students
Test Taken on 12/01/2022

Sr.No.	Name of the Student	Marks /20	Slow/Advance learner
1.	Chitra Somnath Sawant	18	Advance
2.	Arif Alliso Sande	12	Advance
3.	Siddharth Sandip Kumbhar	18	Advance
4.	Pratik Dipak Mahamuni	12	Advance
5.	Pranav Chandrakant Satpute	20	Advance
6.	Tanmay Dipak Jadhav	20	Advance
7.	Isha Sudhir Kshirsagar	20	Advance
8.	Museb	14	Advance
9.	Akshay Laxman Bhosale	14	Advance
10.	Akash Shankar Madane	18	Advance
11.	Shubham Chavan	14	Advance
12.	Vishal Mangesh Karpe	18	Advance
13.	Fiza Farukh Sayyad	14	Advance
14.	Atharv Sudhir Yadav	16	Advance
15.	Sangram Mahadeo Jadhav	20	Advance

Total students- 15

Number of Advance learners-15

Kawopngj
Head
Department of Botany
D. P. Bhosale College, Koregoan