



GOVERNMENT DEGREE COLLEGE

RAYACHOTY

Affiliated to Yogi Vemana University,

Accredited by NAAC with "C" Grade



Academic Year : 2021-2022
Name of the Lecturer : Battu.Shantha kumari.
Name of the Department : Botany.
Quiz Topic :Light and Temperature.
Date :09 .11.2021

QUIZ-REGISTER



GOVT.DEGREE COLLEGE,RAYACHOTY.
DEPARTMENT OF BOTANY
ACADEMIC YEAR: 2021-2022



NAME OF THE ACTIVITY: QUIZ.

Department	Botany
Date	09.11.2021
Class	BSC BZC 3 rd Year .
Topic	Light and Temperature.
No of the students participated	15
Name &Details of the Organizer	Battu.Shantha kumari, Lecturer in Botany Govt.Degree college,Rayachoty.
Brief report of the activity	A Quiz Program on Light and Temperature has been conducted by B.shantha kumari, Lecturer in Botany to assess student's knowledge about Light and Temperature.. Students Were Actively participated in quiz competition under the supervision of consult faculty. The students gave a good response.





GOVT.DEGREE COLLEGE,RAYACHOTY.

DEPARTMENT OF BOTANY



Activity: Quiz Competition
CLASS: BSC BOTANY IIIrd YEAR STUDENTS
Date: 09.11.2021
Topic: Light and Temperature.


Name of the organizer:- BATTU..SHANTHA KUMARI.

	TEAM -A	TEAM -B	TEAM-C
	G.praveen kumar	B.Sai kumar	G.Hajeera
	s.Irfan Basha	M.Reddappa Reddy	S.Mohammad suhail
	Shaik Akbar Basha	N.Satish kumar	B.Rajesh kumar
	Shaik Yasar	P.Ram Mohan	U.Siva sai kumar
	B.Ragavulu	Shaik.Mahaboob Basha	G. Deepak
	MARKS:-06	MARKS:-04	MARKS:-05
QNO			
1	✓		
2			✓
3	✓		
4		✓	
5			✓
6	✓		
7		✓	
8			✓
9	✓		
10	✓		
11		✓	
12			✓
13	✓		
14		✓	
15			✓

WINNER TEAM - A

Participate Students signatures:

S.NO	NAME OF THE STUDENT	CLASS	SIGNATURE
1	G.PRAVEEN KUMAR	II BZC	G. Praveen Kumar
2	SHAIK.IRFAN BASHA	II BZC	S. Irfan Basha
3	SHAIK.AKBAR BASHA	II BZC	S Akbar Basha
4	SHAIK.YASAR	II BZC	S. Yasar
5	B.RAGAVULU	II BZC	B. Ragavulu
6	B.SAI KUMAR	II BZC	B. Sai Kumar
7	M.REDDAPPA REDDY	II BZC	M. Reddappa
8	N.SATISH KUMAR	II BZC	N. Satish Kumar
9	P.RAM MOHAN	II BZC	P. Ram Mohan
10	SHAIK.MAHABOOB BASHA	II BZC	S. Mahabooob Basha
11	G.HAJEERA	II BZC	G. Hajeera
12	SHAIK.MOHAMMAD SUHAIL	III BZC	S. Mohamad Suhail
13	B.RAJESH KUMAR	III BZC	B. Rajesh Kumar
14	U.SIVA SAI KUMAR	III BZC	U. Siva Sai Kumar


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DEPARTMENT OF BOTANY

QUIZ QUESTIONS.

1..What is the speed of light in a vacuum?

- a) 3×10^6 m/s b) 3×10^7 m/s c) 3×10^8 m/s d) 3×10^9 m/s **Answer:** c) 3×10^8 m/s

2.Which of the following is NOT a primary color of light?

- a) Red b) Green c) Blue d) Yellow **Answer:** d) Yellow

3.A concave mirror forms an image that is:

- a) Always virtual and upright b) Always real and inverted c) Sometimes real, sometimes virtual
d) Always smaller than the object **Answer:** c) Sometimes real, sometimes virtual

4.The bending of light when it passes from one medium to another is called:

- a) Reflection b) Refraction c) Diffraction d) Dispersion **Answer:** b) Refraction

5.The scattering of light by atmospheric particles results in:

- a) Mirage b) Tyndall effect c) Polarization d) Total internal reflection **Answer:** b) Tyndall effect.

6.Which of the following is the SI unit of temperature?

- a) Celsius b) Kelvin c) Fahrenheit d) Joule **Answer:** b) Kelvin

7.At what temperature do the Celsius and Fahrenheit scales give the same reading?

- a) -273°C b) 0°C c) -40°C d) 100°C **Answer:** c) -40°C

8..Which device is used to measure temperature?

- a) Barometer b) Thermometer c) Hydrometer d) Anemometer **Answer:** b) Thermometer

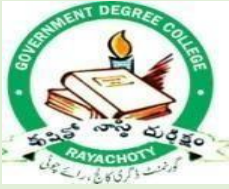
9.The process of heat transfer through direct contact is called:

- a) Conduction b) Convection c) Radiation d) Absorption **Answer:** a) Conduction

10.The freezing point of water on the Kelvin scale is:

- a) 0 K b) 273 K c) 100 K d) 373 K **Answer:** b) 273 K

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Academic Year : 2022-2023
Name of the Lecturer : Battu.Shantha kumari.
Name of the Department : Botany.
Quiz Topic : Bio-Diversity.
Date : 27.01.2023.

QUIZ-REGISTER



GOVT.DEGREE COLLEGE,RAYACHOTY.

DEPARTMENT OF BOTANY

ACADEMIC YEAR: 2022-2023



NAME OF THE ACTIVITY: QUIZ

Department	Botany
Date	27.01.2023
Class	BSC BZC 1 st Year .
Topic	Bio-Diversity.
No of the students participated	20
Name &Details of the Organizer	Battu.Shantha kumari, Lecturer in Botany Govt.Degree college,Rayachoty.
Brief report of the activity	A Quiz Program on Bio-Diversity has been conducted by B.shantha kumari, Lecturer in Botany to assess student's knowledge about Light and Bio-Diversity. Students Were Actively participated in quiz competition under the supervision of consult faculty. The students gave a good response.





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Activity: Quiz Competition
CLASS: BSC BOTANY 1st YEAR STUDENTS
Date: 27.01.2023.
Topic: Bio-Diversity.
Name of the organizer:- BATTU..SHANTHA KUMARI.

	TEAM -A	TEAM -B	TEAM-C
	G.Keertana	N.Satish kumar.	T.Malleswari
	B.Siddeswara	D.Durga prasad	S.Mohammad suhail
	S.Khadar bee	N.Satish kumar	S.Irfan Basha
	K.VenuGopal	b.system chand.	S.Syed Basha
	G.Sravani.	Shaik.Mahaboob Basha	S.Aswini
	MARKS:-05	MARKS:-06	MARKS:-04
QNO			
1	✓		
2		✓	
3	✓		
4		✓	
5			✓
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8			✓
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12			✓
13		✓	
14		✓	
15			✓

WINNER TEAM -B


GOVT. DEGREE COLLEGE, RAYACHOTY
DEPARTMENT OF BOTANY

Participate student signature:-



participate Students signatures	
R. Sreenadh.	S. Prithvi
G. Deepak.	B. Sudeeswarar
K. Manoj	D. Deepa Prasad
S. Shabeena.	G. Keerthana.
K. Khador Basha	D. Veera Malleswari
i. Aswini	Sateesh
Laladhar bee.	Varuneech.
B. Vishnu varthan	J. Venkateswara
K. Venkateswara	S. Suresh




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DEPARTMENT OF BOTANY

QUIZ QUESTIONS.

1. What is biodiversity?

- a) The variety of life forms on Earth
- b) The study of ecosystems
- c) The process of photosynthesis
- d) The water cycle

Answer: a) The variety of life forms on Earth

2. Which of the following is NOT a type of biodiversity?

- a) Genetic diversity
- b) Species diversity
- c) Ecosystem diversity
- d) Cultural diversity

Answer: d) Cultural diversity

3. The highest biodiversity is found in which biome?

- a) Desert
- b) Tundra
- c) Tropical rainforest
- d) Grassland

Answer: c) Tropical rainforest

4. Which of the following is a major cause of biodiversity loss?

- a) Habitat destruction
- b) Afforestation
- c) Conservation efforts
- d) Sustainable agriculture

Answer: a) Habitat destruction

5. Which organization is responsible for monitoring biodiversity worldwide?

- a) NASA
- b) IUCN
- c) WHO
- d) WTO

Answer: b) IUCN (International Union for Conservation of Nature)

6. Which species is considered a keystone species?

- a) Domestic cat
- b) Honeybee
- c) Tiger
- d) Elephant

Answer: d) Elephant

7. **The term 'hotspot' in biodiversity refers to:**
- a) Areas with extremely high temperatures
 - b) Areas rich in endemic species and under threat
 - c) Urban industrial zones
 - d) Places where earthquakes are common

Answer: b) Areas rich in endemic species and under threat

8. **Which of the following is an example of an endangered species?**
- a) House Sparrow
 - b) Bengal Tiger
 - c) Pigeon
 - d) Cockroach

Answer: b) Bengal Tiger

9. **Which is the largest biodiversity hotspot in the world?**
- a) Amazon Rainforest
 - b) Sahara Desert
 - c) Arctic Ocean
 - d) Himalayan Mountains

Answer: a) Amazon Rainforest

10. **What is the main purpose of the Convention on Biological Diversity (CBD)?**
- a) Promote tourism in national parks
 - b) Conserve biodiversity and ensure its sustainable use
 - c) Encourage deforestation for economic growth
 - d) Ban the use of all natural resources

Answer: b) Conserve biodiversity and ensure its sustainable use

11. **What is a geological "hot spot"?**
- a) A place with frequent earthquakes
 - b) A location where magma rises through the Earth's crust
 - c) An area with extreme temperatures
 - d) A desert region

Answer: b) A location where magma rises through the Earth's crust

12. **Which of the following is an example of a volcanic hot spot?**
- a) Himalayas
 - b) Hawaiian Islands
 - c) Andes Mountains
 - d) Rocky Mountains

Answer: b) Hawaiian Islands

13. The Yellowstone hot spot is located in which country?

- a) Canada
- b) Australia
- c) USA
- d) Russia

Answer: c) USA

14 What is a biodiversity hotspot?

- a) A region with high species richness and endemic species under threat
- b) A place where endangered animals are kept in zoos
- c) An area with extreme weather conditions
- d) A place where species migrate annually

Answer: a) A region with high species richness and endemic species under threat

15. Which of the following is a biodiversity hotspot in India?

- a) Thar Desert
- b) Western Ghats
- c) Indo-Gangetic Plain
- d) Deccan Plateau

Answer: b) Western Ghats

16. In wireless networking, what is a Wi-Fi hotspot?

- a) A device that cools down computers
- b) A wireless access point providing internet
- c) A virus affecting networks
- d) A physical location where networks fail

Answer: b) A wireless access point providing internet

17. Which of the following devices can act as a mobile hotspot?

- a) Printer
- b) Smartwatch
- c) Smartphone
- d) USB cable

Answer: c) Smartphone

18. What security risk is commonly associated with public Wi-Fi hotspots?

- a) Faster internet speeds
- b) Free unlimited access
- c) Potential data theft and hacking
- d) Improved battery life

Answer: c) Potential data theft and hacking

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Academic Year : 2023-2024
Name of the Lecturer : Battu.Shantha kumari.
Name of the Department : Botany.
Quiz Topic :Anatomy and Embryology.
Date :02.08.2023.

QUIZ-REGISTER



GOVT.DEGREE COLLEGE,RAYACHOTY.

DEPARTMENT OF BOTANY

ACADEMIC YEAR: 2023-2024



NAME OF THE ACTIVITY: QUIZ

Department	Botany
Date	02.08.2023
Class	BSC BZC 2nd Year .
Topic	Anatomy and Embryology.
No of the students participated	15.
Name &Details of the Organizer	Battu.Shantha kumari, Lecturer in Botany Govt.Degree college,Rayachoty.
Brief report of the activity	A Quiz Program on Anatomy and Embryology has been conducted by B.shantha kumari, Lecturer in Botany to assess student's knowledge about Anatomy and Embryology. Students Were Actively participated in quiz competition under the supervision of consult faculty. The students gave a good response.



38/105-4, Chittoor Rd, Gurrappagan Pali, Syamalarajapalle, Rayachoty, Syamalarajapalle, Andhra Pradesh 516172, India

Rayachoty

Andhra Pradesh

India

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Rayachoty

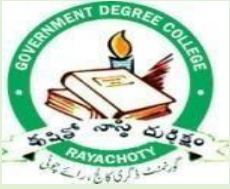
Andhra Pradesh

India

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GOVT.DEGREE COLLEGE,RAYACHOTY.
DEPARTMENT OF BOTANY

Activity: Quiz Competition
CLASS: BSC BOTANY 2nd YEAR STUDENTS
Date: 02.08.2023.
Topic: ANATOMY AND EMBRYOLOGY.
Name of the organizer:- BATTU..SHANTHA KUMARI.

	TEAM -A	TEAM -B	TEAM-C
	K.Rishita	S.Aswini	K.Manoj
	M.Aparna	D.Malleswari	K.Kadar Basha
	G.Reddamma	B.Balakrishna	s.Venu Gopal
	s.Gnana varshitha	B.Siddeswara	S.Farooq Basha
	B.Nagalakshmi.	G.Satish	G.Deepak
	MARKS:-05	MARKS:-06	MARKS:-04
QNO			
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13			
14		✓	
15			✓


WINNER TEAM -A

GOVT.DEGREE COLLEGE,RAYACHOTY

DEPARTMENT OF BOTANY

Participate student signature:-

SL NO	Signature of the Candidate	SL NO	Signature of the Candidate	SL NO	Signature of the Candidate
1	K. Rishitha	11	S. Aswini	21	k. manoj.
2	M. Aparna	12	D.V. mallestharai	22	K. Khadar Basha
3	Gr. Reddemma	13	D. Bala Krishna	23	S. Venugopal
4	S. Geetha Lakshmi	14	B. Siddaswara	24	S. Paruk
5	B. Abhinav Prasad	15	Gr. Sathish	25	Gr. Deepak
6		16		26	


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QUIZ- QUESTIONS

1. Which of the following is a simple permanent tissue?

- Xylem
- b) Phloem
- c) Parenchyma
- d) Cambium

a)

Answer: c) Parenchyma

2. Which type of meristem is responsible for primary growth in plants?

- a) Lateral meristem
- b) Intercalary meristem
- c) Apical meristem
- d) Secondary meristem

Answer: c) Apical meristem

3. Which of the following tissues is responsible for the transport of water in plants?

- a) Phloem
- b) Xylem
- c) Parenchyma
- d) Collenchyma

Answer: b) Xylem

4. **What is the function of collenchyma in plants?**

- a) Photosynthesis
- b) Water conduction
- c) Mechanical support
- d) Food storage

Answer: c) Mechanical support

5. **Which type of vascular bundle is found in monocot stems?**

- a) Radial
- b) Collateral open
- c) Collateral closed
- d) Bicollateral

Answer: c) Collateral closed

6. **What is the ploidy level of the endosperm in angiosperms?**

- a) Haploid (n)
- b) Diploid (2n)
- c) Triploid (3n)
- d) Tetraploid (4n)

Answer: c) Triploid (3n)

7. **Which part of the flower develops into a seed after fertilization?**

- a) Ovary
- b) Ovule
- c) Style
- d) Stigma

Answer: b) Ovule

8. **Double fertilization in angiosperms leads to the formation of:**

- a) Embryo and cotyledon
- b) Embryo and endosperm
- c) Seed coat and fruit
- d) Pollen tube and ovule

Answer: b) Embryo and endosperm

9. **Which of the following is an example of exalbuminous seed?**

- a) Wheat
- b) Maize
- c) Pea
- d) Castor

Answer: c) Pea

10. **Which structure in the ovule forms the seed coat?**

- a) Nucellus
- b) Embryo sac
- c) Integuments
- d) Endosperm

11. Which meristem is responsible for the secondary growth in plants?

- a) Apical meristem
- b) Intercalary meristem
- c) Lateral meristem
- d) Primary meristem

Answer: c) Lateral meristem

12. Which of the following cells in xylem is living?

- a) Tracheids
- b) Vessels
- c) Xylem fibers
- d) Xylem parenchyma

Answer: d) Xylem parenchyma

13. Which tissue is known for providing flexibility to plant parts like petioles?

- a) Collenchyma
- b) Parenchyma
- c) Sclerenchyma
- d) Xylem

Answer: a) Collenchyma

14. In dicot stems, the vascular bundles are:

- a) Closed and scattered
- b) Open and arranged in a ring
- c) Closed and arranged in a ring
- d) Open and scattered

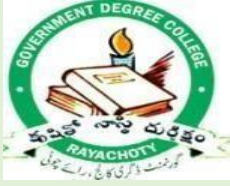
Answer: b) Open and arranged in a ring

15. The Casparian strip is found in the cells of:

- a) Epidermis
- b) Cortex
- c) Endodermis
- d) Pericycle

Answer: c) Endodermis

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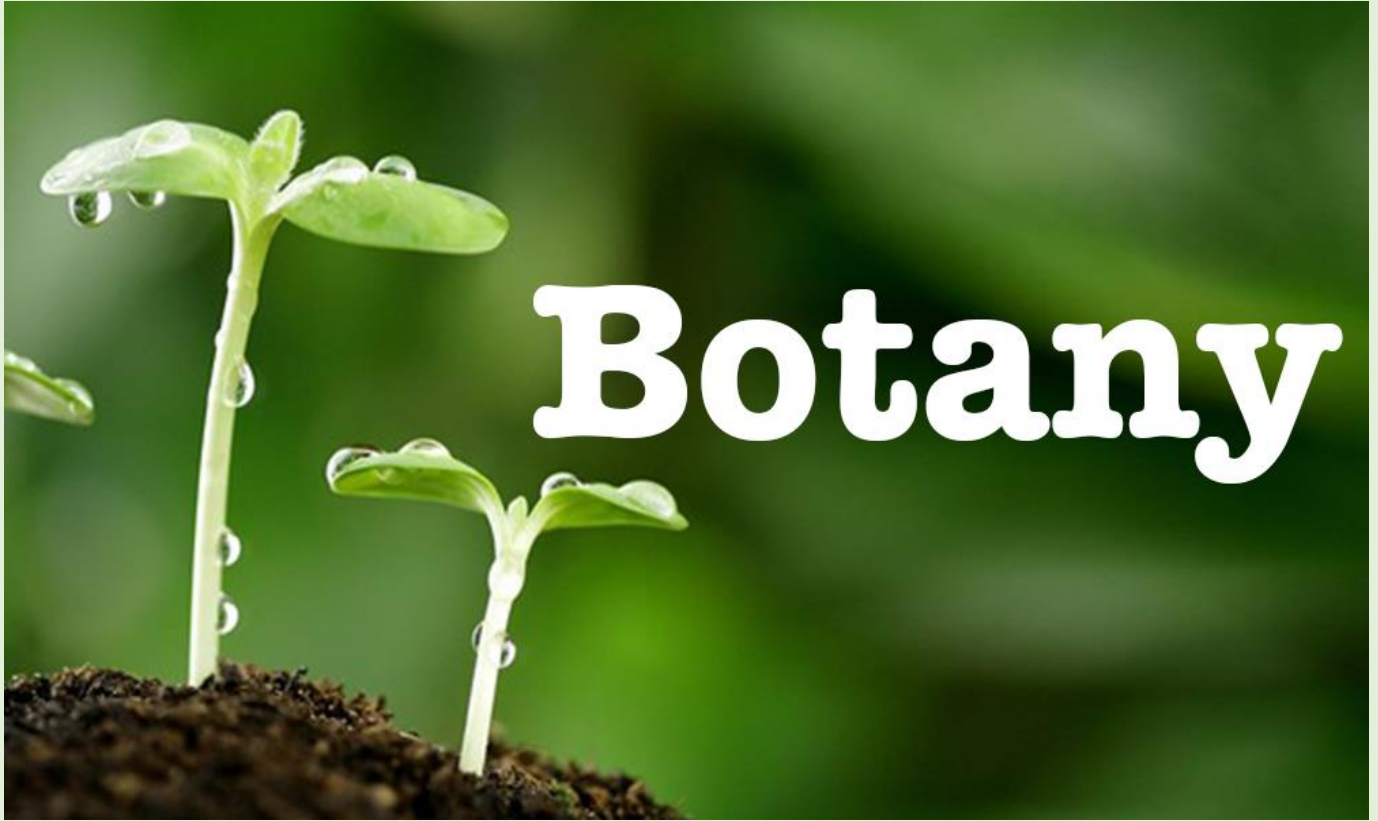


GOVERNMENT DEGREE COLLEGE, RAYACHOTY



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Academic Year : 2024-2025
Name of the Lecturer : Battu.Shantha kumari.
Name of the Department : Botany.
Quiz Topic : Algae and Bryophytes(Minor).
Date : 13.02.2025.

QUIZ-REGISTER

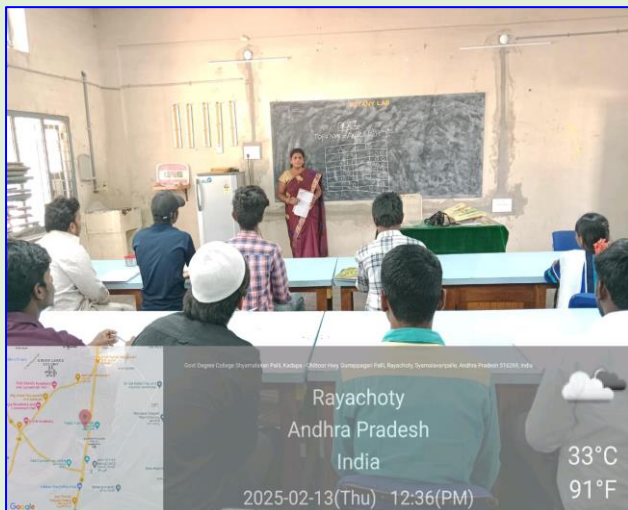


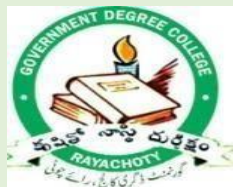
GOVT.DEGREE COLLEGE,RAYACHOTY.
DEPARTMENT OF BOTANY
ACADEMIC YEAR: 2024-2025



NAME OF THE ACTIVITY: QUIZ

Department	Botany
Date	13.02.2025
Class	BSC BZC 1st Year(Minor) .
Topic	Algae and Bryophytes.
No of the students participated	15.
Name &Details of the Organizer	Battu.Shantha kumari, Lecturer in Botany Govt.Degree college,Rayachoty.
Brief report of the activity	A Quiz Program on Algae and Bryophytes has been conducted by B.shantha kumari, Lecturer in Botany to assess student's knowledge about Algae and Bryophytes. Students Were Actively participated in quiz competition under the supervision of consult faculty. The students gave a good response.



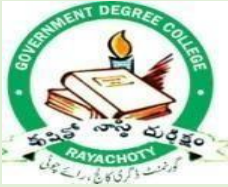


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DEPARTMENT OF BOTANY

Activity: Quiz Competition
CLASS: BSC BOTANY 1st YEAR STUDENTS
Date: 13.02.2025.
Topic: ALGAE AND BRYOPHYTES.
Name of the organizer:- BATTU..SHANTHA KUMARI.

	TEAM -A	TEAM -B	TEAM-C
	S.Reddy kumari	B.Veeranjeneyulu S.Sumiya	B.Madhavi
	S.Mastan vali	S.Abdulla	A.Khizar Ali khan
	M.Revathi	C.Narasimhulu	S.Barkatulla
	M.Praveen	S.Mohammad Farhatulla	S.Shamshavali
	Ijaz		
	MARKS:-05	MARKS:-06	MARKS:-04
QNO			
1	✓		
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12			✓
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15			✓

WINNER TEAM -A



GOVT.DEGREE COLLEGE, RAYACHOTY


DEPARTMENT OF BOTANY

Participate student signature:-

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DEPARTMENT OF BOTANY

Participate student signature: -

S.no	Student Name	Signature
1.	S.Reddy kumari	S.Reddy kumari
2.	S.Shamshavali	S. shamshavali
3.	S.Barkatulla	S. Barkatulla
4.	S.Mohammad Farhatulla	S Mohammad Farhatulla
5.	C.Narasimhulu	C. narasimhulu
6.	A.Khizar Ali khan	AK Khan
7.	S.Abdulla	S. Abdulla
8.	S.Mastan vali	mastan vali
9.	S.Sumiya	S. sumiya
10.	M.Revathi	M. Revathi
11.	M.Praveen	M. Praveen
12.	Ijaz	Ijaz
13.	B.Veeranjeneyulu	B. Veeranjeneyulu
14.	B.Madhavi	B. Madhavi


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DEPARTMENT OF BOTANY

QUIZ QUESTIONS

1. Which pigment is common in all algae
a) Chlorophyll a
b) Phycocyanin
c) Phycoerythrin
d) Carotenoids
Answer: a) Chlorophyll a
2. Algae are primarily found in which type of environment?
a) Terrestrial
b) Aquatic
c) Desert
d) Underground
Answer: b) Aquatic
3. Which of the following is a unicellular alga?
a) Spirogyra
b) Chlamydomonas
c) Fucus
d) Laminaria
Answer: b) Chlamydomonas
4. The reserve food material in red algae is:
a) Starch
b) Laminarin
c) Floridean starch
d) Glycogen
Answer: c) Floridean starch
5. The cell wall of diatoms is made up of:
a) Cellulose
b) Silica
c) Pectin
d) Lignin
Answer: b) Silica
6. Algae belonging to Phaeophyceae (brown algae) store food in the form of:
a) Starch
b) Laminarin and mannitol
c) Glycogen
d) Sucrose
Answer: b) Laminarin and mannitol
7. Agar-agar, used in microbiological culture media, is obtained from:
a) Green algae
b) Brown algae
c) Red algae
d) Blue-green algae
Answer: c) Red algae
8. Which type of algae is responsible for algal blooms?
a) Green algae
b) Cyanobacteria (blue-green algae)
c) Brown algae
d) Red algae
Answer: b) Cyanobacteria (blue-green algae)

9. Bryophytes are known as:
a) Vascular cryptogams
b) Amphibians of the plant kingdom
c) Phanerogams
d) Seed-producing plants
Answer: b) Amphibians of the plant kingdom
10. The dominant phase in the life cycle of bryophytes is:
a) Sporophyte
b) Gametophyte
c) Zygote
d) Embryo
Answer: b) Gametophyte
11. Which of the following is not a characteristic of bryophytes?
a) Presence of true roots
b) Dependence on water for fertilization
c) Alternation of generations
d) Lack of vascular tissues
Answer: a) Presence of true roots
12. Which of the following is an example of a liverwort?
a) Funaria
b) Riccia
c) Polytrichum
d) Sphagnum
Answer: b) Riccia
13. The reproductive organs in bryophytes are:
a) Unicellular
b) Multicellular
c) Absent
d) External
Answer: b) Multicellular
14. The structure that helps in asexual reproduction in liverworts is:
a) Gemmae cup
b) Antheridium
c) Archegonium
d) Rhizoid
Answer: a) Gemmae cup
15. In mosses, the capsule is a part of:
a) Gametophyte
b) Sporophyte
c) Protonema
d) Rhizoids
Answer: b) Sporophyte