



GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittoor Road, Rayachoty, ANNAMAIAH (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



DEPARTMENT OF BOTANY

Report on Online Quiz Competition

Topic: Anatomy, Embryology, and Ecology

Platform Used: Quizizz

Date: [09.11.2021]

Introduction:

The Department of Botany, Government Degree College, Rayachoti, conducted an online quiz competition as part of its academic enrichment activities. The quiz aimed to assess and enhance the knowledge of students in three major branches of botany: **Anatomy**, **Embryology**, and **Ecology**.

Objectives:

- To promote interactive learning among students.
- To test understanding of core botanical concepts.
- To encourage participation in academic competitions using digital platforms.

Quiz Platform:

The quiz was hosted on **Quizizz**, a widely used interactive learning platform that allows students to participate in real-time or asynchronously.

Quiz Details:

- **Date Conducted:** [09.11.2021]
- **Duration:** [30 minutes]
- **Total Questions:** [25 questions]
- **Mode:** Online (Mobile/Desktop access)
- **Participants:** { 10 students from IIYear B.Sc. Botany}

Topics Covered:

1. **Anatomy** – Tissues, vascular system, secondary growth, plant anatomy basics.
2. **Embryology** – Development of male and female gametophytes, fertilization, seed development.
3. **Ecology** – Ecosystems, ecological pyramids, biodiversity, conservation strategies.

Results and Feedback:

- The quiz saw enthusiastic participation from students across all years.
- Average score: [Insert Average Score]
- Highest score: [Insert Highest Score]
- Feedback from students indicated a high level of engagement and appreciation for the interactive format.
- The quiz helped identify key areas where further academic support may be provided.

Conclusion:

The online quiz competition was a successful initiative in promoting botanical knowledge through digital learning tools. The Department of Botany intends to organize similar events in the future to keep students engaged and updated with core concepts.

Coordinator:

Battu.shantha kumari.
Head, Department of Botany
Government Degree College, Rayachoti

QUESTIONS:

Plant Anatomy MCQs

1. **Which of the following is a simple permanent tissue?**
 - a) Xylem
 - b) Phloem
 - c) Parenchyma
 - d) Cambium

✔ **Answer:** c) Parenchyma
2. **Xylem is responsible for the transport of:**
 - a) Food
 - b) Hormones
 - c) Water and minerals
 - d) Amino acids

✔ **Answer:** c) Water and minerals
3. **Collenchyma cells are characterized by:**
 - a) Thick lignified walls
 - b) Thin walls with plasmodesmata
 - c) Unevenly thickened walls
 - d) Lack of nucleus

✔ **Answer:** c) Unevenly thickened walls
4. **Vascular bundles in monocot stems are:**
 - a) Radial
 - b) Conjoint and open
 - c) Scattered and closed
 - d) Concentric

✔ **Answer:** c) Scattered and closed

5. **Annual rings are formed due to:**
a) Intercalary meristem
b) Apical meristem
c) Secondary growth
d) Primary growth
✔ **Answer:** c) Secondary growth
6. **Stomata in dicots are usually:**
a) Parallel
b) Anisocytic
c) Monocyclic
d) Iso-diametric
✔ **Answer:** b) Anisocytic
7. **Cork is produced by:**
a) Vascular cambium
b) Apical meristem
c) Phellogen
d) Pericycle
✔ **Answer:** c) Phellogen
8. **Which tissue provides mechanical support in herbaceous plants?**
a) Parenchyma
b) Collenchyma
c) Phloem
d) Cambium
✔ **Answer:** b) Collenchyma

Plant Embryology MCQs

9. **Which of the following is the female gametophyte in angiosperms?**
a) Ovule
b) Embryo sac
c) Megaspore mother cell
d) Nucellus
✔ **Answer:** b) Embryo sac
10. **Double fertilization is a characteristic feature of:**
a) Gymnosperms
b) Angiosperms
c) Algae
d) Bryophytes
✔ **Answer:** b) Angiosperms
11. **In a typical angiosperm embryo sac, how many nuclei are present?**
a) 6
b) 7
c) 8
d) 5
✔ **Answer:** c) 8
12. **The structure that develops into seed after fertilization is:**
a) Ovary
b) Ovule
c) Stigma

d) Style

✔ Answer: b) Ovule

13. **Synergids are located near:**

a) Micropyle

b) Chalaza

c) Antipodal cells

d) Funicle

✔ Answer: a) Micropyle

14. **Endosperm is formed from:**

a) Egg cell

b) Zygote

c) Central cell

d) Synergids

✔ Answer: c) Central cell

15. **Apomixis results in:**

a) Fusion of gametes

b) Sexual reproduction

c) Formation of seeds without fertilization

d) Fertilization of synergids

✔ Answer: c) Formation of seeds without fertilization

16. **Which part of the ovule forms the seed coat?**

a) Nucellus

b) Integuments

c) Embryo sac

d) Micropyle

✔ Answer: b) Integuments

Ecology MCQs

17. **The study of interaction between organisms and their environment is called:**

a) Cytology

b) Morphology

c) Ecology

d) Physiology

✔ Answer: c) Ecology

18. **Which of the following is an example of a biotic factor?**

a) Soil

b) Temperature

c) Humidity

d) Predators

✔ Answer: d) Predators

19. **Primary succession occurs on:**

a) Deforested land

b) Abandoned farmlands

c) Lava flows

d) Burnt forests

✔ Answer: c) Lava flows

20. **Pyramid of energy is always:**
- a) Inverted
 - b) Upright
 - c) Linear
 - d) Irregular
- ✓ **Answer:** b) Upright
21. **The first trophic level in a food chain is always occupied by:**
- a) Herbivores
 - b) Carnivores
 - c) Producers
 - d) Decomposers
- ✓ **Answer:** c) Producers
22. **Which biome has the greatest biodiversity?**
- a) Desert
 - b) Tundra
 - c) Grassland
 - d) Tropical rainforest
- ✓ **Answer:** d) Tropical rainforest
23. **Eutrophication is mainly caused by:**
- a) Heavy rainfall
 - b) Excess nutrients
 - c) Soil erosion
 - d) Climate change
- ✓ **Answer:** b) Excess nutrients
24. **Greenhouse gases include all except:**
- a) CO₂
 - b) CH₄
 - c) N₂
 - d) N₂O
- ✓ **Answer:** c) N₂
25. **Bioindicators of air pollution are:**
- a) Algae
 - b) Lichens
 - c) Ferns
 - d) Grasses
- ✓ **Answer:** b) Lichens

Name	Accuracy ↑	Points	Score	Correct	Incorrect	Unattempted	Evaluate
BATTU SHANTHAKUMARI (K.MANOJ)	80% ✓ 20 × 5	20/25	19800	16	4	0	Evaluate
Kothapallimanoj (Non-logged in)	80% ✓ 20 × 5	20/25	21250	16	4	0	Evaluate
BUSAPOGULA VISHNU VARDHAN (Non-logged in)	76% ✓ 19 × 6	19/25	16280	15	4	1	Evaluate
Nagalakshmi (Non-logged in 2 attempts)	60% ✓ 15 × 10	15/25	9850	9	6	5	Evaluate
Venugopal (Non-logged in)	52% ✓ 13 × 12	13/25	10770	7	5	13	Evaluate
B Siddeswara (Non-logged in)	40% ✓ 10 × 15	10/25	7420	5	5	15	Evaluate
Syam chandu (Non-logged in)	40% ✓ 10 × 15	10/25	7740	5	5	15	Evaluate
Kothapalli manoj (Non-logged in)	36% ✓ 9 × 16	9/25	7470	4	6	15	Evaluate

Kothapalli manoj
Non-logged in



36%

9/25

7470

Evaluate

B vishnu vardhan
Non-logged in



16%

4/25

2960

Evaluate

SankarapU Venugopal (Venugopal*)

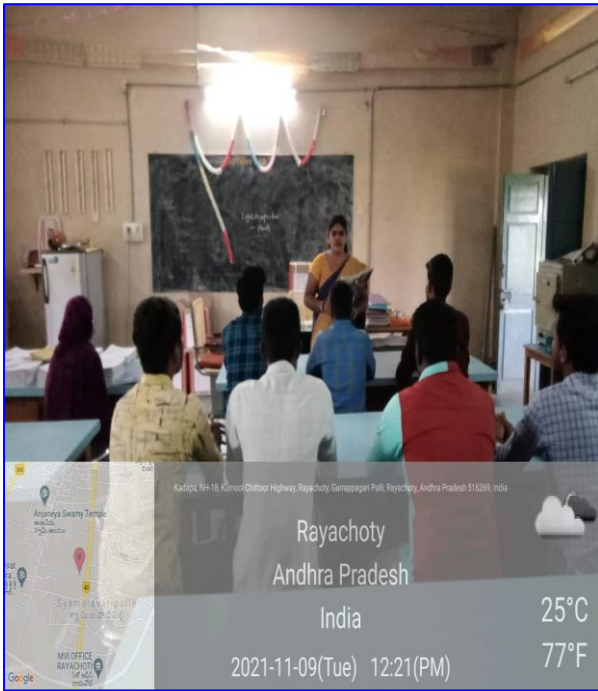


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Evaluate



THANK YOU



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Department of Botany

Report on online Quiz-"HOT SPOTS IN INDIA"

Date: 16.02.2023

Platform used-conker AI

Introduction:

The Department of Botany Govt.Degree college,Rayachoti organized an online quiz competition titled "Hotspots in India" as part of its ongoing efforts to raise awareness among students regarding biodiversity conservation and the ecological significance of biodiversity hotspots. The quiz was conducted virtually to ensure broad participation and accessibility.

Objective:

The primary aim of the quiz was to educate and evaluate students' knowledge about the various biodiversity hotspots in India, their geographical distribution, flora and fauna, and the conservation challenges they face.

Event Details:

- **Date of Quiz:** 16.02.2025
- **Platform Used:** Conker AI
- **Target Audience:** Undergraduate and Postgraduate students of the Department of Botany
- **Number of Participants:** 10
- **Quiz Duration:** 20 minutes
- **Total Questions:** 10 Multiple Choice Questions
- **Topics Covered:** HOT SPOTS IN INDIA

Definition and criteria of biodiversity hotspots

- **The four biodiversity hotspots in India:**
- The Himalayas
- The Indo-Burma Region
- The Western Ghats and Sri Lanka
- Sundaland (includes Nicobar Islands)
- Endemic species
- Conservation efforts and threats to biodiversity

Conclusion:

The online quiz served as an effective educational tool to enhance students' understanding of India's rich biodiversity and the urgent need for its preservation. The Department of Botany intends to organize more such interactive sessions in the future to promote environmental awareness and academic engagement.

Prepared by:

[BATTU.SHANTHA KUMARI]

Quiz Coordinator

Department of Botany

[GDC.RAYACHOTI]

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

Select the correct answer

- A Sundaland
- B Madagascar
- C Western Ghats
- D Indo-Burma

2. What is the significance of the Western Ghats as a hotspot?

Select the correct answer

- A High population density
- B Extensive agricultural land
- C Major urban centers
- D Rich in endemic species

3. Which state in India is home to the Eastern Himalayas hotspot?

Select the correct answer

- A Maharashtra
- B Goa
- C Rajasthan
- D Uttarakhand

4. The Indo-Burma region includes which of the following countries?

Select the correct answer

- A Bangladesh and Thailand
- B Pakistan and Nepal
- C Bhutan and Sri Lanka
- D India and Myanmar

5. What is a primary threat to biodiversity in India's hotspots?

Select the correct answer

- A Agricultural practices
- B Tourism promotion
- C Cultural festivals
- D Urban development

6. Which wildlife sanctuary is located in the Western Ghats hotspot?

Select the correct answer

- A Bandipur
- B Kaziranga
- C Jim Corbett
- D Sundarbans

7. How many biodiversity hotspots are recognized in India?

Select the correct answer

- A 8
- B 5
- C 10
- D 12

8. The Nilgiri Biosphere Reserve is part of which hotspot?

Select the correct answer

- A Western Ghats
- B Eastern Himalayas
- C Sundaland
- D Indo-Burma

9. Which plant species is endemic to the Western Ghats?

Select the correct answer

- (A) Rhododendron
- (B) Neelakurinji
- (C) Bamboo
- (D) Coconut palm

10. Which animal is critically endangered in the Indo-Burma hotspot?

Select the correct answer

- (A) Indian elephant
- (B) Bengal tiger
- (C) Bornean orangutan
- (D) Sunda pangolin

5 Responses

[Summary](#) [Individual](#)

Student name		Score
B. Siddeswara		30%
Naresh		40%
Rishitha		40%
Sadhu Gnana Varshitha		40%
Varshitha		90%



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Rayachoty
Andhra Pradesh
India

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Rayachoty
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India

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Rayachoty
Andhra Pradesh
India

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THANK YOU