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Government College, Kathua
(An Autonomous Institution)

Department of Botany

"[illegible]"

[illegible]

Index

S. No.	Name of Activity	Date	Schedule	Day	Page No.
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"Continuous Internal Evaluation"

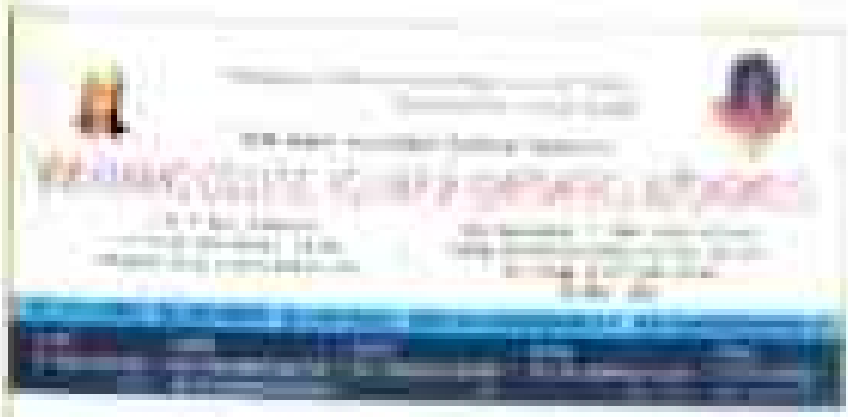
Organized by

Department of Botany

On

Academic Year

2024-2025



"Home Assignment & Internal Examination"

Organised by

Department of Botany

Of

B.Sc. I Sem. I & II

On

Academic Year

2024-2025

[illegible]

[illegible]

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[illegible]

[illegible]

NOTE

[illegible]

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[illegible]

[illegible]

Q.1 [illegible]

1. [illegible] ----------

a) [illegible] b) [illegible] c) [illegible] d) [illegible]

ii) ---------- [illegible]

[illegible]

a) [illegible] b) [illegible] c) [illegible] d) [illegible]

Q.2 [illegible] [illegible]

1) [illegible]

2) [illegible]

3) [illegible]

4) [illegible]

[illegible]

[illegible]

[illegible]

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[illegible]	[illegible]	[illegible]									
[illegible]	[illegible]	[illegible]	[illegible]

Assignment Essay in Biology

[illegible]

[illegible]

Proposed Figure 2
Final Weighting

[illegible]

[illegible]

Plant Morphology

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Q1. [illegible]

[illegible]

Q2. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] (Adhoc) (Inquiry of Assessment)

[illegible]

[illegible]

NOTE

[illegible]

[illegible]

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Registrar of Books

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[illegible] [illegible]

[illegible]

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

[illegible]

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

[illegible]

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

[illegible]

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

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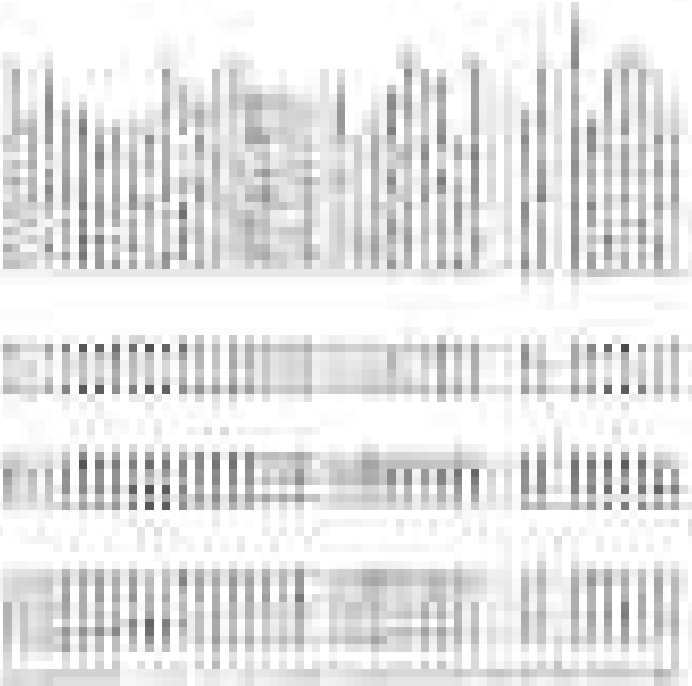

Hort Assignment

Name: ANJALI APPA RAO
Roll No: [illegible]
Sec: [illegible]

Diversity and Classification of Plants

* 1. Plant and animals are special albumins.

2. In situ conservation refers to the preservation and protection of the species in their natural habitat.

3. A group of individuals which are able to breed among themselves and produce their own kind is known as species.

4. Comma shaped bacteria are known as Vibrios.

5. The cell membrane of Archaebacteria consists of lipids.

6. Blue Green Algae.

7. Kingdom: Infinita
   The kingdom infinita is a diverse group of organisms that are so small, unseen, or great.

Synthetic -

- Eclogite - [illegible]

- Lherzolite - [illegible]

- Granite - [illegible]

- Diabase - [illegible]

- Basal metabasalt - [illegible]

Igneous - [illegible]

Sedimentary -

- [illegible]

- [illegible]

[illegible]

[illegible]

[illegible]

Reproduction:

- Animal Fungi reproduce sexually through the fusion of gametes.
- Animal Fungi reproduce asexually through vegetative propagation.

[illegible]

Name: [illegible]
[illegible]
Roll No.: [illegible]
Subject: Botany
Paper III: [illegible]

Q. 1 [illegible]

i) The phenomenon of [illegible] is known as [illegible]

ii) The stalk of ovule is funicle.

iii) The [illegible] is also called [illegible]

iv) In [illegible] type of [illegible]

Q. 2 Define any two

i) [illegible]

[illegible]

[illegible]

[illegible]
- [illegible]
- [illegible]

[illegible]
- [illegible]
- [illegible]

[illegible]
- [illegible]
- [illegible]

[illegible]
- [illegible]
- [illegible]

[illegible]
- [illegible]
- [illegible]

Q. Double Fertilization

→ Double fertilization is a unique process found in angiosperms (flowering plants), where two [illegible] sperm cells unite [illegible] within the embryo sac. This ensures the formation of both the embryo and the nutritive tissue (endosperm).

Process of Double Fertilization:-

Pollination and Pollen Tube Formation:-
- Pollen lands on the stigma and germinates.
- A pollen tube grows down through the style towards the ovule.
- The pollen tube carries two male gametes (sperm cells).

Entering the Embryo Sac:
- The pollen tube enters the ovule through the micropyle and reaches the embryo sac.
- It releases two sperm cells into the embryo sac.

Fertilization Events:
- Syngamy (First Fertilization): One sperm cell fuses with the egg cell (n) to form a diploid zygote (2n).
- This zygote develops into the embryo.

Triple Fusion (Second Fertilization):
- The second sperm cell fuses with two polar nuclei [illegible] in the central cell.

[illegible]

"Home Assignment &Internal Examination"

Organized by

Department of Botany

Of

B.Sc. II Sem. III & IV (Minor)

On

Academic Year

2024-2025

[illegible]

[illegible]

[illegible]

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NOTICE

[illegible]

[illegible]

[illegible] College, [illegible] (Autonomous) [illegible]

[illegible] of Bscs

[illegible] 13/11/2020

Paper: [illegible] "Final Exam"

Name:

Q-1 [illegible] (Marks)

i. [illegible] is

a. [illegible]
b. [illegible]
c. [illegible]
d. [illegible]

ii. [illegible]

a. [illegible]
b. [illegible]
c. [illegible]
d. [illegible]

iii. [illegible]

a. [illegible] b. [illegible] c. [illegible] d. [illegible]

iv. [illegible]

a. [illegible] b. [illegible] c. [illegible] d. [illegible]

v. [illegible]

a. [illegible] b. [illegible] c. [illegible] d. [illegible]

[illegible]

[illegible]

[illegible]

Department of [illegible]

B.Sc. [illegible] Sem. [illegible] (NEP 2024)

Paper [illegible] "[illegible]"

Assignment

Q.1. [illegible] (8 Marks)

A. Multiple [illegible]

(i) [illegible] (ii) [illegible] (iii) [illegible] (iv) [illegible]

(v) [illegible] (vi) [illegible] (vii) [illegible]

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

(viii) [illegible]

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

(ix) [illegible]

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

(x) [illegible]

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

(xi) [illegible]

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

(xii) [illegible]

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

Q.2. [illegible] (1 Mark)

(i) [illegible]
(ii) [illegible]
(iii) [illegible]
(iv) [illegible]

[illegible]

[illegible]

[illegible]

2. Concept of Behaviour:-

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

NOTE

[illegible]

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[illegible]

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[illegible] (10 Marks)

[illegible]

[illegible] (10 Marks)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Department of Botany

[illegible]

[illegible]

Assignment

Q. 1. [illegible] (2 Marks)

1. [illegible]

   [illegible]

2. [illegible] ______

   [illegible]

Q. 2. [illegible] (8 Marks)

i. [illegible]

ii. [illegible]

iii. [illegible]

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[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

Name - [illegible]

Roll no - [illegible]

Subject - [illegible]

Class - [illegible]

Q. [illegible]

A) [illegible]

1. [illegible]

2. [illegible]

Q.2. [illegible]

1. [illegible]

2. [illegible]

3. [illegible]

4. [illegible]

5. [illegible]

6. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Name : [illegible]

Roll no : [illegible]

Subject : [illegible] "Trends of Teaching [illegible]"

Q. Fill in the blanks

1. [illegible] = Based the [illegible] principles of pharmacologist, [illegible]

2. [illegible] parts are [illegible]

3. [illegible] day [illegible]

[illegible] photographs [illegible]

[illegible]

"Home Assignment & Internal Examination"

Organized by

Department of Botany

Of

B.Sc. II Sem. III & IV (Major)

On

Academic Year

2024-2025

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Answer:

Q.1 [illegible] (a) [illegible] [illegible]

(i) [illegible] —

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

(ii) [illegible] —

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

(iii) [illegible] —

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

(iv) [illegible] —

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

(v) [illegible] —

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

(vi) [illegible] —

(a) [illegible] (b) [illegible] (c) [illegible] (d) [illegible]

Q.2 [illegible] (a) [illegible]

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]

[illegible] College, Gulbarga (Autonomous)

Department of [illegible]

B.Sc. [illegible] Sem [illegible] (NEP 2020)

Paper [illegible]: [illegible] "Theory of [illegible]"

Assignment

Q.1. [illegible] (Marks)

[illegible]

(a) [illegible]

(b) [illegible]

(c) [illegible]

(d) [illegible]

(e) [illegible]

Q.2. [illegible] (Marks)

(a) [illegible]

(b) [illegible]

(c) [illegible]

(d) [illegible]

Date 11 Study of Sociology

1. Meaning of Sociology, Its

2. Scientific Nature

3. Relation with other sciences

4. Sociology as a science of Society

5. Origin and development

6. Sociology as an art, Social Science and Science

7. Sociology and Other Social Sciences

8. Sociology and Other Sciences

1. Concept of Society and Its Characteristics
2. Concept of Community and Its
3. Concept of Association
4. Concept of Institution
5. Concept of Group

1. Concept of Culture

2. Concept of Socialization

3. Concept of Social Control

4. Concept of Social Stratification

5. Concept of Social Mobility

6. Concept of Social Change

1. Concept of Culture and Sociology of Culture

2. Concept of Culture and Sociology of Culture

3. Concept of Culture and Sociology of Culture

4. Concept of Culture and Sociology of Culture

1. Concept of Culture and Sociology of Culture

2. Concept of Culture and Sociology of Culture

1. [illegible] → [illegible]

2. [illegible] → [illegible]

3. [illegible] → [illegible]

4. [illegible] → [illegible]

5. [illegible]

6. [illegible]

7. [illegible]

Unit 4 : Theory of Computation

Q1

A. (1) Participants authors are invited to submit

B. (1) Not later than the stipulated in Conference.

C. (1) The shell over a factor f some constant is the degree of less or equal to total number of vertices.

D. (1) Then consider the [illegible]

E. (1) Consider consider if the binary number is not in structure.

Q2. Answer any one section

I. Principal Minimal Polynomial & Characteristic
II. Matrices
III. Minimum Minimal
IV. Equation

1. Distinguish between [illegible] and [illegible]

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Reg. [illegible]

NOTE

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Subjective

[illegible] (4 Marks)

[illegible]

(a) [illegible]

(b) [illegible]

[illegible] (8 Marks)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] (10 Marks)

[illegible]

[illegible] (10 Marks)

[illegible]

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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Pressure Vessel Assignment

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Director Dates
Registrar

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

"Home Assignment & Internal Examination"

Organized by

Department of Botany

Of

B.Sc. III Sem. V & VI

On

Academic Year

2024-2025

"Memorandum of Understanding between [illegible]"

[illegible]

[illegible]

Department of Society

[illegible]

Notice

[illegible] is scheduled on Friday, [illegible] in [illegible] [illegible] is mandatory. The [illegible] will not be conducted upon [illegible] [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Department of Botany

[illegible]

Notice

- [illegible]

- [illegible]

[illegible]

Head
Department of Botany

[illegible]

[illegible]

[illegible]

Department of Biology

[illegible]

[illegible] **Ecology & Research Techniques in Life Sciences**

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Department of Statistics

[illegible]

[illegible]

Paper [illegible]: Monitoring, Plan Fertility & Substitution

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Department of [illegible]

[illegible]

[illegible]

Paper [illegible] Plant Biochemistry & Stress Physiology

Time [illegible] Date [illegible]

Q.1 [illegible] (20)

1. [illegible]

2. [illegible]

[illegible]

[illegible]

Department of Biology

[illegible]

B.Sc. [illegible]

Paper [illegible] "[illegible] of Pakistan"

Total Marks: [illegible] Max. [illegible]

Q.1 [illegible] as directed: [illegible]

1. [illegible]

2. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]		[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]		
15	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Department of Botany

B.Sc. [illegible]

[illegible] Typology & Research Techniques [illegible]

[illegible]

S. No.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]			

[illegible]

[illegible]

Department of Botany

[illegible]

[illegible]

[illegible] Examination Form

S/N	Roll No.	Name of Candidate	Date of Examination	Invigilator's Signature	Total Marks
			(1)	(2)	(3)
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]			

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16		[illegible]			

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

S. No.	Roll No.	Name of the student	[illegible]	Internal Exam	Total Marks
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]			

[illegible]

"Dissemination of Education for Knowledge, Science and Culture"

– Shikshanmaharshi Dr. Bapuji Salunkhe

VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

Department of Botany

[illegible] Home Assignment

Paper [illegible] Cytology & Research Techniques in Life Science

Total Marks: 10 Date: [illegible]

Choose the correct alternative.

1. [illegible]

[illegible]

2. [illegible]

[illegible]

3. [illegible]

[illegible]

4. [illegible]

[illegible]

5. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Department of Botany

[illegible]

M.Sc. Botany

Paper [illegible] Microbiology, Plant Pathology & Mycology

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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[illegible]

Department of Botany

Home Assignment

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

1. [illegible]

[illegible]

2. [illegible]

[illegible]

3. [illegible]

[illegible]

4. [illegible]

[illegible]

5. [illegible]

[illegible]

[illegible]

[illegible]

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[illegible]

Department of Botany

[illegible]

[illegible]

[illegible] Plant Biochemistry & Stress Ph[illegible]

[illegible]

[illegible]

[illegible]

1. [illegible]

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2. [illegible]

[illegible]

3. [illegible]

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5. [illegible]

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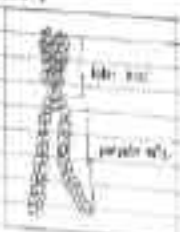
[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

Fig. [illegible]

Department of History

[illegible]

Home Assignment

Name - [illegible]
Roll No. - [illegible]

Q1. [illegible]

Unit - [illegible]

[illegible]

Introduction:

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] of Fatty acid

It is a carboxylic acid with long aliphatic [illegible]
[illegible] that are either saturated or unsaturated
[illegible] to a major [illegible] of [illegible]
1) Saturated
2) Unsaturated
3) [illegible]
[illegible]
[illegible]
It is [illegible] [illegible] in [illegible]
[illegible]
Fatty acids are building blocks of lipids
Depending upon the number of carbons in the chain of [illegible] & [illegible] [illegible]
[illegible] in fatty acids

Unsaturated fatty acids

The double bond [illegible] in the carbon chain [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] fatty [illegible]
[illegible] [illegible]
[illegible]
[illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible]
eg = [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

eg = [illegible] acid [illegible] [illegible] acid
[illegible] acid [illegible] [illegible] acid

ASSIGNMENT OF BOTANY

[illegible]

[illegible]

[illegible]

In humans, unlike the rabbit, fats are found in two forms. In adult, they are mostly present in solid form at normal temperature. In the rabbit, liver, kidney, muscle, fat contains high amount of unsaturated fatty acids, i.e.

- Liver: Adult 7.11 (% of contents)
- Kidney: Adult 7.11 (% of contents)
- Muscle: Adult 7.11 (% of contents)

Unsaturated fatty acids:

Unsaturated fatty acids (UFA) are the fatty acids which have double bond, which can exist in different positions. The most common naturally occurring UFA, linoleic acid, is a 18 carbon chain with two unsaturated bonds. Linoleic acid, which is a precursor of other UFA, is a dietary essential fatty acid. In mammals, the ability to introduce double bond at positions 9 and 12 of the fatty acid chain is lacking. Thus, linoleic acid must be obtained from the diet. Linoleic acid is the precursor of arachidonic acid and in the phospholipid form it constitutes the majority of the total chain of that pool. The UFA synthesized from linoleic acid are essentially the same as those found in the diet. The UFA fatty acids have been nutritionally shown that the three fatty acids are interchangeable, nutritionally.

In Polyunsaturated fatty acids (PUFA), the first double bond may be found anywhere in the first one-fifth carbon atoms from the "C" carbon. These are called as n-3 polyunsaturated fatty acids. If the first double bond is located in the sixth carbon atom, then they are called as n-6 fatty acids. The double bond in PUFA are separated from each

[illegible] indirect [illegible]

Fats, which are [illegible] produced [illegible] by [illegible] and maintenance, are essential to all higher [illegible], including mammals and fish. [illegible] fatty acids cannot be manufactured and must be obtained [illegible] from the diet. Fats are further [illegible] in the body by digestion, [illegible] of [illegible], and by [illegible]. Oxidation of [illegible]. Metabolic [illegible] (ketones) [illegible] are capable of [illegible] hydrogen ions from [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] of fatty acids, a [illegible] [illegible] fatty acids. [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

According to [illegible]

- [illegible]

[illegible]

- [illegible]

[illegible]

Eg. [illegible]

- [illegible]

- [illegible]

The [illegible]

Eg. [illegible]

- The [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Department of [illegible]

[illegible]

Notice

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Department of [illegible]

[illegible]

Notice

[illegible] **Unified Examination** [illegible] is scheduled on [illegible], [illegible] is postponed [illegible] **11.00 am** [illegible] This exam will be conducted again [illegible] the exam [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Department of Chemistry

B.Sc. Assignment

[illegible]

[illegible] **"Calorimetry and Phase Rule Study"**

[illegible] [illegible]

[illegible] [illegible]

1. [illegible]
2. [illegible]

[illegible]

[illegible]

[illegible]

Department of [illegible]

B.Lib Assignment

[illegible]

Paper [illegible] "[illegible]"

[illegible] Date: [illegible]

[illegible] (5)

1. [illegible]
2. [illegible]

[illegible]

[illegible]

[illegible]

Department of Biology

Home Assignment

M.Sc. [illegible] Sem. [illegible]

Name of the course: **"Molecular Biology and Biotechnology"**

Total Marks: 30 Date: [illegible]

Q.1 Answer any one of the following (10M)

1. Explain Polymerase Chain Reaction and its applications.
2. Describe in detail different methods of gene transfer.

[illegible]

[illegible]

[illegible]

Department of Biology

Bio-Assignment

B.Sc. (Hons) Sem. II

[illegible] **"Microbiology, Genetics and Molecular Technology"**

Total Marks: [illegible] Date: [illegible]

[illegible] [illegible]

1. What is Transcriptome? Explain [illegible] of Transcriptome.
2. Discuss the Mobile Genetic Elements in [illegible].

[illegible]

[illegible] COLLEGE, KULLAPURA (SUPPORTING)

ATTENDANCE

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]				
[illegible]				
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

VIDYAMAD COLLEGE VOLUNTER EMPLOYEE

[illegible]

Student Marks Entry

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]				
[illegible]				
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] COLLEGE, KOLAKPUR (BAPONMEDU)

[illegible]

Student Marks Entry

No	PN No	Seat No	Student Name	Marks
[illegible]				
[illegible]				
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]

HOD
[illegible]
[illegible]
[illegible]

VISVANATH COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

(Affiliated to Shivaji University, Kolhapur)

Student Survey Entry

Sr. No.	PRN No.	Seat No.	Student Name	Mobile No.
	[illegible]			
	[illegible]			
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

Department of Botany

[illegible]

[illegible]

[illegible]

[illegible]

Department of Biology

Home Assignment

B.Sc. (Hons.) II

Paper [illegible] "[illegible] Biology and Biotechnology"

[illegible]

[illegible]

[illegible]

1. [illegible] is the process in which genetic information is passed from DNA to RNA

(a) Transcription (b) Translation
(c) Replication (d) Mutation

2. [illegible] is a type of bacteria that can take up foreign genetic material

(a) Staphylococcus (b) Plasmids
(c) Escherichia (d) Agrobacterium

3. The genetic DNA or RNA of a virus is surrounded with a coat of protein and sometimes also with a lipid bilayer called [illegible]

(a) Acid (b) Bar
(c) Albumin (d) Mitochondria

4. The ability of a cell to develop into any type of cell is called [illegible]

(a) Cytoplasm (b) Pluripotency
(c) Gene (d) Cells

5. [illegible] are specialized cells in the body that can carry out specific functions

(a) Nucleus (b) Cells
(c) Chromosomes (d) Organelles

[illegible]

[illegible]

[illegible]

Department of Botany

[illegible]

[illegible]

[illegible] ("[illegible] Botany and Biotechnology")

[illegible] [illegible]

[illegible]

1. [illegible]
   (a) [illegible] (b) [illegible]
   (c) [illegible] (d) [illegible]

2. [illegible]
   (a) [illegible] (b) [illegible]
   (c) [illegible] (d) [illegible]

3. [illegible]
   (a) [illegible] (b) [illegible]
   (c) [illegible] (d) [illegible]

4. [illegible] [illegible]
   (a) [illegible] (b) [illegible]
   (c) [illegible] (d) [illegible]

5. [illegible]
   (a) [illegible] (b) [illegible]
   (c) [illegible] (d) [illegible]

Vivekanand College, Kolhapur

Department of [illegible]

Hon. Practicals

Name : [illegible]
Roll No : [illegible]
Date : [illegible]

[illegible]

[illegible]

* Significance of [illegible] :-

1. [illegible]
2. [illegible]
3. [illegible]

VIVEKANAND COLLEGE KOLHAPUR

(Autonomous)

DEPARTMENT OF [illegible]

(B.Sc III Sem V)

[illegible]

Name : [illegible]

Roll No : [illegible]

Date : [illegible]

1. [illegible]

[illegible]

Subject name : [illegible]

Code : [illegible]

Exam name : [illegible]

[illegible]

1. Pathology :

[illegible]

[illegible]

[illegible]

[illegible]

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]
10. [illegible]
11. [illegible]
12. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Department of Botany [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

- Scope of Pharmacognosy

[illegible]

Pharmacognosy [illegible]

1. Cultivation & [illegible] of the medicinal plants
2. [illegible] & [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]

- Pharmacognosy Techniques-

Pharmacognosy techniques [illegible] compounds [illegible]

[illegible]

1. Taxonomy - Used in study [illegible] plant [illegible]
2. Phytochemistry - Used to separate, identify & quantify [illegible] compounds in plant drugs.
3. Pharmacology - Used to [illegible] compounds.
4. Extraction techniques - Used to extract [illegible] from plant material.
5. [illegible] - Used to [illegible] compounds.

4. Semi-structured interview - [illegible]
5. Informal interview - [illegible]
6. Focused interview - [illegible]
7. Structured interview - [illegible]
8. Unstructured interview - [illegible]

[illegible] may be used in various stages of [illegible] process, such as

1. Fact finding & information
2. Analysis & evaluation of [illegible] problems
3. Implementation, design & [illegible]
4. [illegible] study [illegible]
5. Study [illegible] & [illegible]

[illegible] are [illegible] [illegible] [illegible] & [illegible] [illegible] [illegible] & [illegible] [illegible] [illegible] & [illegible] [illegible] [illegible] [illegible] [illegible]

1. Personal Interview -

The [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

- [illegible] & [illegible] of [illegible] [illegible]
- [illegible] & [illegible] of [illegible] [illegible]
- [illegible] of [illegible] [illegible] [illegible] [illegible] [illegible]

2. Telephone Interview -

This [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

- [illegible] [illegible] [illegible]
- [illegible] [illegible] & [illegible]
- [illegible] of [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Internal Energy:

- Internal energy is defined as the sum of kinetic energy and potential energy of the molecules of a system.
- Internal energy is denoted by U.
- Internal energy is a state function.

Heat Energy:

- Heat energy is defined as the amount of energy transferred from one body to another because of difference in temperature between the two bodies.
- Heat energy is denoted by Q.
- Heat energy is a path function.

Specific Heat Capacity:

- The heat capacity per unit mass of a substance is called specific heat capacity of the substance.
- It is denoted by c.
- Its unit is J/kg°C.
- Its dimension is $[L^2T^{-2}\theta^{-1}]$.

Assignment Of Biology

Name : [illegible]
Class : [illegible]
Roll No. : [illegible]

Date : [illegible]
Topic : [illegible]
Unit : [illegible]

[illegible]

Q. Explain the Mendel's law of Segregation & Independent Assortment.

(a) Law of Segregation :-

Law of segregation is based on the results and observations of [illegible]

"[illegible]"

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Mendel explained [illegible]

" [illegible] "

Example: [illegible]

1) Yellow round - 9
2) Yellow wrinkled - 3
3) Green round - 3
4) Green wrinkled - 1

[illegible]

[illegible]

[illegible]