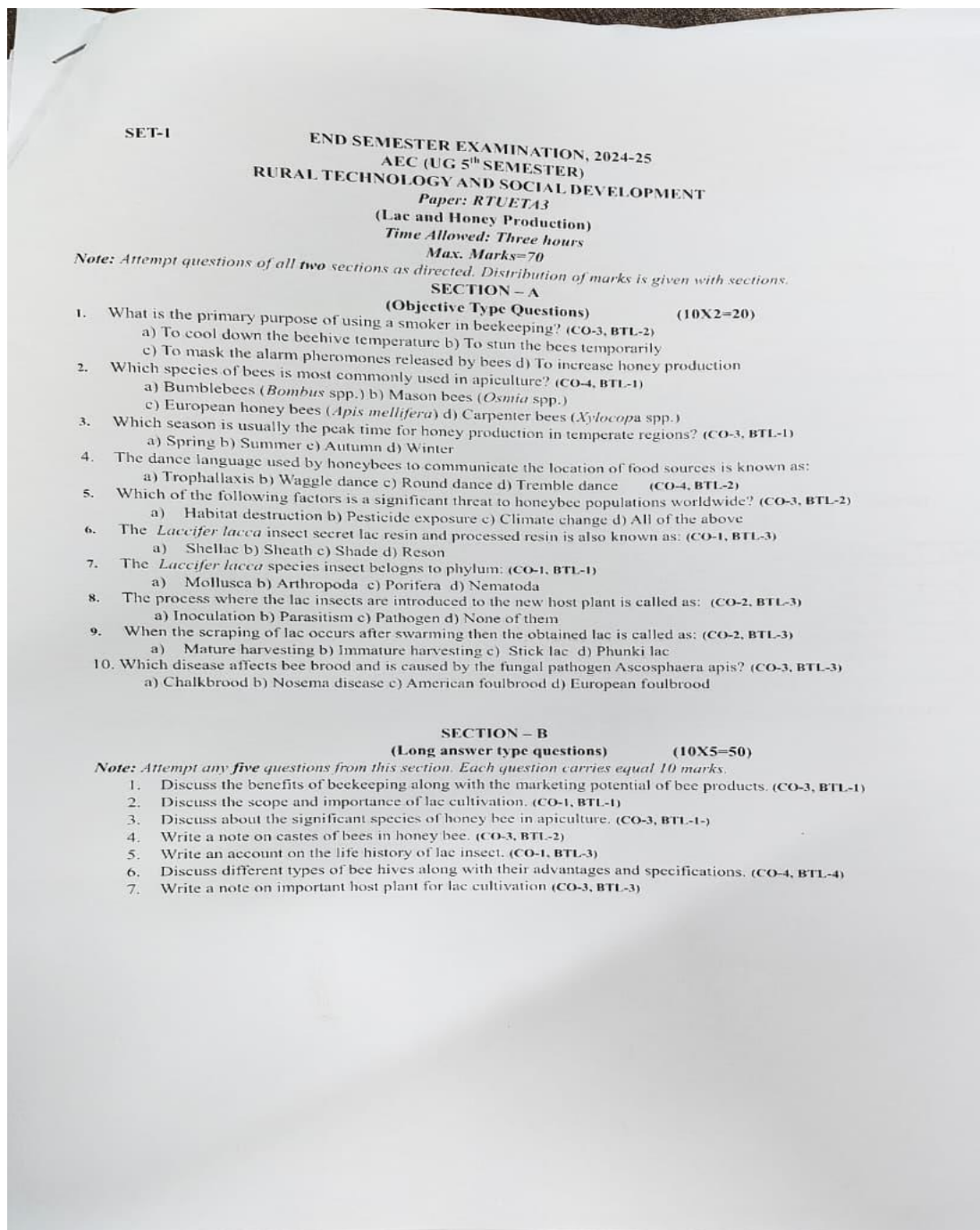




2.6.1 Provide question papers mapped with COs and BTL during the year 2024-25



SET-1

End Semester Examination, 2024-2025
B. Sc. (Third Semester)
RURAL TECHNOLOGY & SOCIAL DEVELOPMENT
Paper: RTUCMJT1
(Sericulture)

Time Allowed: Three hours

Max. Marks= 70

Note: Attempt questions of all two sections as directed. Distribution of marks is given with sections.

Section -A

(Objective Type Questions)

10X 2=20

Note: Section A is compulsory. Each question carries 2 marks.

1. Multiple choice questions (attempt all)

- In an age laying of *Bombyx mori*, the number of eggs are ____ (CO-2, BTL-1)
(a) 200-300 (b) 400-500 (c) 400-600 (d) 500-700
- Tasar silk worm is feed on ____ (CO-1, BTL-1)
(a) Mulberry leaf (b) Neem leaf (c) Sal leaf (d) Castor leaf
- The silkworm spin cocoon after ? (CO-2, BTL-2)
(a) 4th moult (b) 3rd moult (c) Either a or b (d) 2nd moult
- Which is the young age silkworm? (CO-1, BTL-1)
(a) Pupa (b) Adult (c) Spinning worms (d) Chawki
- Which of the following silk is mainly produced in Assam? (CO-1, BTL-1)
(a) Arundi silk (b) Natural silk (c) Muga silk (d) Tassar silk
- Cocoon is formed by how many pairs of glands? (CO-2, BTL-2)
(a) Two (b) Three (c) Four (d) One
- The central silk board was established in ? (CO-1, BTL-2)
(a) 1946 (b) 1947 (c) 1948 (d) 1959
- In the word voltine stands for ? (CO-3, BTL-3)
(a) Brood frequency (b) Cocoon frequency (c) Worm frequency (d) Silk frequency
- What is stifling? (CO-4, BTL-3)
(a) Spinning process of cocoon (b) Killing process of pupa inside the cocoon (c) Feeding process of caterpillar (d) None of the above.
- What is the process of degumming? (CO-5, BTL-3)
(a) Boiling of silk cocoon (b) Use of chemical agents (c) Sun drying of cocoon (d) All of the above

Section- B

Long answer type questions

(10 X 5 = 50)

Note: Attempt any five questions from this section. Each question carries equal 10 marks.

- Describe the life cycle of silk insect including moulting and metamorphosis. (CO-2, BTL-2)
- What do you mean by ideal rearing house? Write the features and advantages of an ideal rearing house in sericulture. (CO-4, BTL-3)
- What is mountage? Classify the different types of mountages. (CO-5, BTL-3)
- Describe the major diseases of silkworm. (CO-3, BTL-4)
- Explain the young and late stage rearing. (CO-3, BTL-3)
- Give an account on government schemes and programme related to sericulture. (CO-1, BTL-3)
- Write a note on stifling of cocoon. (CO-5, BTL-3)

Set -A

B.Sc (Hon's) (Fifth Semester) Examination ,2024

Land surveying Levelling and Drawing techniques

Rural Technology (GURU GHASIDAS VISHVIDYALAYA)

Time = 3hrs

Total : Marks=70

Multiple choice questions

(2X 10=20)

- Q.1. The fixed point whose elevation is known is called- **BTL-1, CO -3**
(a) Benchmark (b) Foresight (c) Back sight (d) none
- Q.2. In surveying well conditioned triangle will be ----angle **BTL-1, CO -1**
(a) acute (b) right (c) both(d) None
- Q.3. The line joining the two main stations is known as **BTL-1, CO -1**
(a) Main (b) Check (c) Tie (d) None
- Q.4. The purpose of tie line is to ----- **BTL-1, CO -1**
(a) check accuracy (b) show interior (c)both (d) none
- Q.5 For less than 250 km following survey ---- is taken in account **BTL-1, CO -3**
(a) plane (b) geodatic (c) both (d) none
- Q.6 chain Survey is suitable for----- area **BTL-1, CO -2**
(a) Big (b) Small (c) Both (d) None
- Q.7 Five arrow means ----- chain **BTL-1, CO -2**
(a) Five (b) One (c) Both (d) none
- Q.8 For settlement of land revenue type of map is used are **BTL-1, CO -3**
(a) Topographic (b) cadastral (c) both (d) none
- Q. 9 1 hectare = ----- acre **BTL-1, CO -2**
(a) 2.471 (b) 3.971 (c) both (d) none
- Q.10 Length of Guntur chain is **BTL-1, CO -3**
(a) 66ft (b) 33ft (c) both (d) none

Long answer type questions (Any-5)

(5x10=50)

Q.1. Define Levelling .Explain the process of Levelling in detail with its implication in rural development.	BTL-1, CO -3
Q.2 Classify the types of Ranging . .Why there is need of ranging explain its importance in rural development	BTL-2 , CO3
Q.3 Mention the radiation method of Plane table and limitations of plane table survey.	BTL-1 , CO2
Q.4 Briefly describe about instrument used in Chain survey	BTL-1 , CO2
Q.5 Write a note on instrument needed for Plane Table Survey	BTL-3 , CO2
Q.6 Write short note on Drawing sheet and its layout	BTL-3 , CO3
Q.7 Discuss different type of surveying in detail.. Explain its importance in Rural Development.	BTL-2 , CO 3

Department of Rural Technology & Social Development
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)
End Semester Examination, 2024
M.Sc. (Rural Technology) – III Semester
Course name: Beekeeping Techniques
Paper Code: - RTPCTG1
Maximum Marks: 70

Duration: 3 Hours

A. (Objective type Questions)

10x2=20

Note – Attempt all question, all question carry 2 marks

1. How do bees contribute to crop farming? [CO-1, BTL1-, Marks-2]
a) Producing wax
b) Building hives
c) Pollination ✓
d) Producing honey
2. Which of the following is a natural predator of honeybees? [CO-2, BTL2-, Marks-2]
a) Birds
b) Ants
c) Mites
d) All of the above ✓
3. What is the primary food of bee larvae? [CO-2, BTL1-, Marks-2]
a) Pollen
b) Nectar
c) Honey
d) Royal Jelly ✓
4. Which of the following is a hive product other than honey? [CO-1, BTL2-, Marks-2]
a) Milk
b) Cotton
c) Silk
d) Wax ✓
5. What substances do bees collect to make honey? [CO-1, BTL1-, Marks-2]
a) Nectar ✓
b) Pollen
c) Resin
d) Propolis
6. How many wings does a honeybee have? [CO-2, BTL2-, Marks-2]
a) 6
b) 8
c) 2
d) 4 ✓
7. Which bee is responsible for the mating with the queen? [CO-1, BTL1-, Marks-2]
a) Drone ✓
b) Worker bee
c) Forager
d) Guard bee
8. Which of the following is a bee species commonly used in commercial beekeeping? [CO-2, BTL1-, Marks-2]
a) *Apis mellifera*
b) *Apis dorsata*
c) *Apis cerana*
d) All of the above ✓
9. What is the primary product obtained from the beekeeping? [CO-1, BTL2-, Marks-2]
a) Wax
b) Milk
c) Honey ✓
d) Silk
10. What is the primary function of the queen bee in a hive? [CO-2, BTL2-, Marks-2]
a) Lay eggs ✓
b) Collect nectar
c) Guard the hive
d) Build the comb

B. Long type questions (Attempt any five questions)

5x10=50

Q1. Describe the bee breeding and rearing of queen bees in brief. [CO-2, BTL2-, Marks-10]

OR

Discuss on grading, packaging and marketing of bee products. [CO-2, BTL2-, Marks-10]

Q2. Explain the harvesting of honey and physical and chemical properties of honey in brief. [CO-1, BTL2-, Marks-10]

OR

Explain the importance of flora in apiculture. [CO-1, BTL2-, Marks-10]

2.6.2 Provide documents related to attainment of Programme outcomes, Programme specific outcomes and course outcomes during the year 2024-25

CO attainment through Cumulative Direct and Indirect Assessment
 Batch : 2022-2023
 Course Code : RTUETA3; Lac and Honey Production
 Name of the course : 2022-2023 [ODD SEMESTER]
 Academic Year : UG 5th SEMESTER NEP (AEC Course)
 Semester : UG 5th SEMESTER NEP (AEC Course)
 CO attainment through Cumulative Internal Examinations (CIE) & End Semester Examination (SEE)

Course	COs	Internal Examination (CIE)*		End Semester Examination (SEE)*		Direct 30% of CIE and 70% of SEE		Indirect		Final Course Attainment 80% of Direct and 20% of Indirect		Target (%)	Attainment Yes/No
		Attainment	Level	Attainment	Level	Attainment	Level	Attainment	Level	Attainment	Level		
RTUETA3; Lac and Honey Production	CO1	100.00	3	83.34	3	88.33	3	80.00	3	86.74	3.00	60	Yes
	CO2	100.00	3	82.34	3	87.34	3	80.00	3	85.85	3.00	60	Yes
	CO3	100.00	3	83.33	3	88.33	3	82.00	3	86.85	3.00	60	Yes
	CO3	100.00	3	83.32	3	88.34	3	82.00	3	86.88	3.00	60	Yes
	CO3	100.00	3	83.33	3	88.33	3	81.00	3	86.86	3.00	60	Yes

Batch	2023-2024
Course Code - Course Title	RTUETA3; Lac and Honey Production
Academic Year	2024-2025 (ODD SEMESTER)
Semester	V SEMESTER (AEC Course)
Evaluation Components (%)	30.00%
Cummulative Internal Component [CIE](%)	70.00%
Semester End Examinations [SEE] (%)	50.00%
Threshold (%)	60%

CO-PO MAPPING (AFFINITY)															
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	1								1	3	1	
CO2	3	3	2	1								1	3	1	
CO3	3	3	2	1								1	3	1	
CO4	3	3	3	1								1	3	1	
CO5	3	3	2	1								1	3	1	

Indirect CO Assessment			
	A		
CO1	80		
CO2	81		
CO3	82		
CO4			
CO5			

course Feedback from Students (Class Committee Meeting)
 Few topics were handled in a fast pace.

III) Result Analysis

Details	Lac and Honey Production: RTUETA3 Class
Number of Students Registered:	36
Number of Students Attended:	36
Number of Students Failed:	00
Pass Percentage:	100
Maximum Mark:	87 out of 100
Minimum Mark:	53 out of 100
Average Mark:	73.83

IV) Innovative practices implemented report in course delivery and assessment based on previous course completion report.

1. ICT based teaching learning adopted
2. Flip mode of learning used
3. Individual discussion followed

V) Observations:

1. All COs are attained.
2. It is necessary to improve the programming skills of students.

VI) Actions to be taken:

1. Add more practice problems in the Class.
2. Additional sessions for weak students (only for programming)
3. Question papers to be taken with higher BTL

VII) Remarks from HOD:

1. The course mentor is requested to implement the above suggestions when the course is offered in the upcoming semester (2024-25)

Dr. Devendra Singh Poria
 Name and Signature of Course Faculty

Enclosure:

- 1) Course Syllabus
- 2) End Semester Question Paper

attainment through Cumulative Direct and Indirect Assessment

Batch : 2022-2023

Course Code- : RTUCMJT1; Sericulture
 Name of the course :
 Academic Year : 2022-2023 [ODD SEMESTER]
 UG 5th SEMESTER NEP (Major
 Semester : Course

CO attainment through Cumulative Internal Examinations (CIE) & End Semester Examination (SEE)

Course	COs	Internal Examination (CIE)*		End Semester Examination (SEE)*		Direct 30% of CIE and 70% of SEE		Indirect		Final Course Attainment 80% of Direct and 20% of Indirect		Target (%)	Attainment Yes/No
		Attainment	Level	Attainment	Level	Attainment	Level	Attainment	Level	Attainment	Level		
		RTUCMJT1; Sericulture	CO1	100.00	3	83.33	3	88.33	3	80.00	3		
	CO2	100.00	3	82.31	3	87.33	3	81.00	3	85.89	3.00	60	Yes
	CO3	100.00	3	83.33	3	88.33	3	81.00	3	86.88	3.00	60	Yes
	CO3	100.00	3	83.33	3	88.33	3	81.00	3	86.87	3.00	60	Yes

Batch	2023-2024
Course Code - Course Title	RTUCMJT1; Sericulture
Academic Year	2024-2025 (ODD SEMESTER)
Semester	III SEMESTER (Major Course)
Evaluation Components (%)	
Cummulative Internal Component [CIE](%)	30.00%
Semester End Examinations [SEE] (%)	70.00%
Threshold (%)	50.00%
Target (%)	60%

CO-PO MAPPING (AFFINITY)															
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	1								1	3	1	
CO2	3	3	2	1								1	3	1	
CO3	3	3	2	1								1	3	1	
CO4	3	3	3	1								1	3	1	
CO5	3	3	2	1								1	3	1	

Indirect CO Assessment			
	A	B	C
CO1	80		
CO2	81		
CO3	82		
CO4			
CO5			

Feedback from Students (Class Committee Meeting)
 Few topics were handled in a fast pace.

iii) Result Analysis

Details	Sericulture; RTUCMJT1 Class
Number of Students Registered:	65
Number of Students Attended:	65
Number of Students Failed:	00
Pass Percentage:	100
Maximum Mark:	87 out of 100
Minimum Mark:	53 out of 100
Average Mark:	73.83

IV) Innovative practices implemented report in course delivery and assessment based on previous course completion report.

1. ICT based teaching learning adopted
2. Flip mode of learning used
3. Individual discussion followed

V) Observations:

1. All COs are attained.
2. It is necessary to improve the programming skills of students.

VI) Actions to be taken:

1. Add more practice problems in the Class.
2. Additional sessions for weak students (only for programming)
3. Question papers to be taken with higher BTL

VII) Remarks from HOD:

1. The course mentor is requested to implement the above suggestions when the course is offered in the upcoming semester (2024-25)

Dr. Devendra Singh Porte

Name and Signature of Course Faculty

Enclosure:

- 1) Course Syllabus
- 2) End Semester Question Paper

CO attainment through Cumulative Direct and Indirect Assessment
 Batch : 2022-2023
 Course Code- : RTUETC1; Land Surveying and Drawing Techniques
 Name of the course :
 Academic Year : 2022-2023 [ODD SEMESTER]
 Semester : B.Sc. V Semester
 CO attainment through Cumulative Internal Examinations (CIE) & End Semester Examination (SEE)

Course	COs	Internal Examination (CIE)*		End Semester Examination (SEE)*		Direct 30% of CIE and 70% of SEE		Indirect		Final Course Attainment 80% of Direct and 20% of Indirect		Target (%)	Attainment Yes/No
		Attainment	Level	Attainment	Level	Attainment	Level	Attainment	Level	Attainment	Level		
RTUETC1; Land Surveying Leveling and Drawing Techniques	CO1	100.00	3	83.33	3	88.33	3	80.00	3	86.78	3.00	60	Yes
	CO2	100.00	3	82.33	3	87.34	3	80.00	3	85.82	3.00	60	Yes
	CO3	100.00	3	83.31	3	88.33	3	82.00	3	86.82	3.00	60	Yes
	CO3	100.00	3	83.32	3	88.32	3	82.00	3	86.84	3.00	60	Yes
	CO3	100.00	3	83.31	3	88.32	3	81.00	3	86.84	3.00	60	Yes

Batch	2022-2023
Course Code - Course Title	RTUETC1, Land Surveying Leveling and Drawing Techniques
Academic Year	2024-2025 [ODD SEMESTER]
Semester	B.Sc. V Semester
Evaluation Components (%)	
Cummulative Internal Component [CIE](%)	30.00%
Semester End Examinations [SEE] (%)	70.00%
Threshold (%)	50.00%
Target (%)	60%

CO-PO MAPPING (AFFINITY)															
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	1								1	3	1	
CO2	3	3	2	1								1	3	1	
CO3	3	3	2	1								1	3	1	
CO4	3	3	3	1								1	3	1	
CO5	3	3	2	1								1	3	1	

Indirect CO Assessment	
	A
CO1	80
CO2	81
CO3	82
CO4	
CO5	

II) Course Feedback from Students (Class Committee Meeting)
 1. Few topics were handled in a fast pace.

III) Result Analysis

Details	RTUETC1, Land Surveying Leveling and Drawing Techniques
Number of Students Registered:	43
Number of Students Attended:	43
Number of Students Failed:	00
Pass Percentage:	100
Maximum Mark:	87 out of 100
Minimum Mark:	53 out of 100
Average Mark:	73.83

IV) Innovative practices implemented report in course delivery and assessment based on previous course completion report.

1. ICT based teaching learning adopted
2. Flip mode of learning used
3. Individual discussion followed

V) Observations:

1. All COs are attained.
2. It is necessary to improve the programming skills of students.

VI) Actions to be taken:

1. Add more practice problems in the Class.
2. Additional sessions for weak students (only for programming)
3. Question papers to be taken with higher BTL

VII) Remarks from HOD:

1. The course mentor is requested to implement the above suggestions when the course is offered in the upcoming semester (2024-25)

Dr. Alka Mishra

Name and Signature of Course Faculty

Enclosure:

- 1) Course Syllabus
- 2) End Semester Question Paper

Program	Year of Admission	Course Code
M.Sc. Rural Technology	2024-25	RTPCTG2 (Beekeeping Techniques)

Name of the Program/Branch : M.Sc. Rural Technology
Curriculum Year : 2024-2025
Course Code with Name : RTPCTG2 (Beekeeping Techniques)
Semester : Third Semester
Faculty handling the course: Section A: Dr. Lokesh Kumar Tinde

Course	COs	Internal Examination (CIE)*		End Semester Examination (SEE)*		Direct 30% of CIE and 70% of SEE		Indirect		Final Course Attainment 80% of Direct and 20% of Indirect		Target (%)	Attainment Yes/No
		Attainment	Level	Attainment	Level	Attainment	Level	Attainment	Level	Attainment	Level		
BEEKEEPING TECHNIQUES	CO1	100.00	3	100.00	3	100.00	3	82.00	3	96.40	3.00	60	Yes
	CO2	75.00	3	100.00	3	92.50	3	83.50	3	90.70	3.00	60	Yes

* - Suitable Weights for CIE and SEE shall be assigned for Theory, Assignment and Internal assessment of the Course

II) Course Feedback from Students (Class Committee Meeting)
1. Few topics were handled in a fast pace.
III) Result Analysis

Details	M.Sc. (RT) I SEM
Number of Students Registered:	02
Number of Students Attended:	02
Number of Students Failed:	0
Pass Percentage:	100
Maximum Mark:	53 out of 70
Minimum Mark:	50 out of 70
Average Mark:	51

IV) Innovative practices implemented report in course delivery and assessment based on previous course completion report.

1. ICT based teaching learning adopted
2. Flip mode of learning used
3. Individual discussion followed

V) Observations:

1. All COs are attained.
2. It is necessary to improve the programming skills of students.

VI) Actions to be taken:

1. Add more practice problems in the Class.
2. Additional sessions for weak students (only for programming)
3. Question papers to be taken with higher BTL

VII) Remarks from HOD:

1. The course mentor is requested to implement the above suggestions when the course is offered in the upcoming semester (2024-25)

Name and Signature of Course Faculty


Dr. Lokesh Kumar Tinde

Enclosure:

- 1) Course Syllabus
- 2) End Semester Question Paper