

Bachelor of Rural Studies (B.R.S.) Examination, 2025
Semester-III (NEP)
Rural Studies
Course- MJRST05T
(Advanced Economics for Rural Studies - I)

Time-3 hrs

Full marks: 80

Questions are of value as indicated in the margin

1. Answer **any eight** questions from the following: 8x2.5=20
 - a. What is marginal utility?
 - b. State the law of diminishing marginal utility.
 - c. What is budget line?
 - d. State the law of diminishing marginal rate of substitution.
 - e. Define the concept of income effect.
 - f. What is Giffen's Paradox?
 - g. What will be shape of Engel Curve in case of inferior commodity?
 - h. Define the concept of social welfare.
 - i. What is value judgment?

2. Answer **any five** questions from the following: 5x12=60
 - a. Describe the equilibrium of the consumer under cardinal approach. What are the limitations of cardinal approach? 6+6=12
 - b. Discuss the axioms of choice. Describe the lexicographic ordering. 7+5=12
 - c. Define the concept of indifference curve. Describe the characteristics of indifference curve. 4+8=12
 - d. Define the concept of substitution effect. Discuss the Hicks-Allen measure and Slutsky measure of substitution effect. 4+8=12
 - e. Define the concept of Pareto Optimality. Describe the marginal conditions of Pareto Optimality. 4+8=12
 - f. What are the characteristics of public goods? Describe the situation of prisoner's dilemmas. 4+8=12

Bachelor of Rural Studies (B.R.S.) Examination, 2025
Semester-III (NEP Syllabus)
Rural Studies
Paper Title- MJRST06T: Rural Sociology

Time-3 hrs

Full marks:80

Questions are of value as indicated in the margin.
Notations and symbols have their usual meaning

Q.1. Answer any six questions of the following. (Marks: 6*5= 30)

- a) What do you mean by rural sociology?
- b) Explain Sanskritization.
- c) What do you mean by the Jajmani system?
- d) Discuss the features of the tribal economy.
- e) Discuss the difference between absolute poverty and relative poverty.
- f) What is seasonal migration?
- g) Discuss about the Panchayati Raj System in India.
- h) Discuss the characteristics of social stratification.

Q.2 Answer any five questions of the following. (Marks: 5*10= 50)

- a) What do you mean by caste? Critically explain the characteristics of the caste system in India.
- b) Explain the functionalist perspective of social stratification and its critique.
- c) Write the difference between the caste and the varna system in India.
- d) Discuss the nature and scope of rural sociology.
- e) Analyse causes of rural poverty and examine the interrelationship between poverty and unemployment in rural India.
- f) Discuss the functions and changing role of the family in the contemporary period.
- g) Critically explain how Indian villages are experiencing changes.

Bachelor of Rural Studies (B.R.S.) Examination, 2025
Semester-III (NEP)

Rural Studies

Paper- SEC-3 (SECRST03T)
(Introduction to Computer Application -3)

Time- 3 hrs

Full marks: 60

Questions are of value as indicated in the margin. Notations and symbols have their usual meaning.

Answer any *four* questions

1. Consider the following table:

Name	Pepsi	Coke	Sprite	Fanta	Limca
Bibek	5	4	1	4	?
Anil	3	1	2	3	3
Mohona	4	3	4	3	5
Pritam	3	3	1	5	4

The above table contains the ratings (out of 5) of various cold drinks by Bibek, Anil, Mohona and Pritam. Unfortunately, the rating of 'Limca' by Bibek is not available. How you can predict the rating using the recommender system? (15)

2. (a) Discuss some key applications of Artificial intelligence. (7)
(b) Discuss the difference between supervised learning and Unsupervised learning with example. (8)
3. Write down a C program to find if a number is negative, positive or zero. (15)

4. Consider the following data in excel:

	A	B
1	X	Y
2	41	49
3	97	100
4	76	65
5	90	?

How you can predict the missing value using regression in excel?

(15)

5. Consider the following data in excel:

	A	B
1	X	Y
2	41	49
3	90	100
4	76	65
5	90	95

Explain how you can find the mean, median, mode and standard deviation of the variable X in Excel? Is it possible to find the mode of Y? How you can find and interpret the correlation between X and Y?

(8+2+5=15)