

PRACTICE SET

End Semester (3rd Sem.) Examination, December -2025

Program: M. Sc. (Ag.) Agronomy

Semester: 3rd

Course: Agricultural Research, Research Ethics and rural Development Programmes

Course Code: 13A.CC.502

Course Outcome:

CO1 Evaluate the role of institutions in advancing food security and poverty reduction

CO2 Analyse the collaborative role of IARCs within the global agricultural research system and identify opportunities

CO3 Apply ethical standards in research practices and critically assess rural development strategies and programmes

CO4 Evaluate rural development policies and programmes, and identify key constraints

Unit / Module-1

Section: I (5 Marks questions, only Lower order Thinking -LOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
1.	Describe briefly 'White Revolution' along with its features and impacts.	Remember	CO1
2.	Explain 'Yellow Revolution' along with its features and impacts.	Remember	CO1
3.	Define food security and livelihood security in your own words.	Understand	CO1
4.	Discuss 'Blue Revolution' along with its features in your own words.	Remember	CO1
5.	Describe 'Pink Revolution' focusing on its features.	Remember	CO1

Section: II (15 Marks questions, HOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
6.	Explain 'Green Revolution' focusing on its features, impacts and challenges.	Analyze	CO1
7.	Classify the history of agriculture from Neolithic revolution to Modern agriculture.	Analyze	CO1
8.	Differentiate elaborately between food security and livelihood security.	Analyze	CO1

9.	Briefly explain the causes of Climate change.	Analyze	CO1
10.	Explain the mitigation strategies to tackle the problem of climate change.	Analyze	CO1

Unit / Module-2

Section: I (5 Marks questions, only Lower order Thinking -LOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
11.	Describe the dimensions of food security.	Remember	CO2
12.	Summarize Livelihood Security in your own words.	Understand	CO2
13.	Explain the term 'Climate change'.	Understand	CO2
14.	Explain the primary objectives of NARS.	Remember	CO2
15.	Explain primary objectives of CGAIR.	Remember	CO2

Section: II (15 Marks questions, HOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
16.	Explain various phases of revolution in the context of agriculture since inception.	Analyze	CO2
17.	Explain the adaptation strategies to tackle the problem of climate change.	Analyze	CO2
18.	Differentiate between NARS and CGIAR based on their basic characteristics.	Analyze	CO2
19.	Evaluate the features of Agricultural Research system (ARS).	Evaluate	CO2
20.	Evaluate the functions of Consultative Group on International Agricultural Research (CGIAR).	Evaluate	CO2

Unit / Module-3

Section: I (5 Marks questions, only Lower order Thinking -LOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
21.	Discuss 'Plagiarism' in your own words.	Understand	CO3
22.	Enlist the ways to prevent Plagiarism.	Remember	CO3
23.	Describe briefly principles of Intellectual Property Rights.	Remember	CO3

24.	Illustrate the term 'Research ethics'.	Remember	CO3
25.	Enlist various types of Publications with their basic characteristics.	Remember	CO3

Section: II (15 Marks questions, HOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
26.	Categorize various forms of Plagiarism along with its consequences.	Analyze	CO3
27.	Organize all forms of Intellectual Property Rights (IPR) in your own words.	Create	CO3
28.	Explain the benefits and challenges associated with Intellectual Property rights.	Analyze	CO3
29.	Breakdown various principles and foundations of Research ethics.	Analyze	CO3
30.	Propose step by step Publication process.	Create	CO3

Unit / Module-4

Section: I (5 Marks questions, only Lower order Thinking -LOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
31.	Define the term 'Rural Development' in your own words.	Remember	CO4
32.	Briefly discuss the objectives of Community Development Programmes in India.	Understand	CO4
33.	State basic assumptions in Community Development Programmes.	Remember	CO4
34.	Review the activities of Community Development Programme.	Understand	CO4
35.	Outline various constraints associated with implementation of rural development programmes.	Remember	CO4

Section: II (15 Marks questions, HOT)

Sl. No.	Model Questions	Bloom Taxonomy	CO
36.	Breakdown elements of rural development in your own words.	Analyze	CO4
37.	Recommend four basic strategies of Rural development.	Evaluate	CO4
38.	Evaluate the role of Panchayat Raj Institutions in implementation of Rural Development Programmes.	Evaluate	CO4
39.	Simplify 'Intensive Agricultural District Programme' (IADP) according to your understanding.	Analyze	CO4
40.	Evaluate the criteria for authorship. Categorize the order of authorships in publication.	Evaluate	CO4

SUMMARY SHEET:**CO WISE**

CO	Question No.	Marks
CO1	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	100
CO2	11, 12, 13,14,15, 16, 17, 18, 19, 20	100
CO3	21, 22, 23, 24, 25, 26, 27, 28, 29, 30	100
CO4	31, 32, 33, 34, 35, 36, 37, 38, 39, 40	100
TOTAL		400

UNIT Wise

CO	Question No.	Marks
UNIT1	1-10	100
UNIT2	11-20	100
UNIT3	21-30	100
UNIT4	31-40	100
TOTAL		400

BLOOM'S Taxonomy Level (BTL) Wise

BTL	Question. No.	Marks
LOT	1, 2, 3, 4, 5, 11, 12, 13, 14, 15, 21, 22, 23, 24, 25, 31, 32, 33, 34, 35	100
HOT	6, 7, 8, 9, 10, 16, 17, 18, 19, 20, 26, 27, 28, 29, 30, 36, 37, 38, 39, 40	300
TOTAL		400

Prepared By: Auindrila Biswas

Reviewed By: Dr. Neha Grace Kisku

Disclaimer: - This is a practice set. The Question in End semester examination will differ from the practice set. This practice set is meant for practice only.