

**SRM VALLIAMMAI ENGINEERING COLLEGE**

**(An Autonomous Institution)**

SRM Nagar, Kattankulathur– 603 203

**DEPARTMENT OF AGRICULTURAL ENGINEERING**

**QUESTION BANK**



**VIII SEMESTER**

**1902804 AGRICULTURAL EXTENSION**

**Regulation – 2019**

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*Prepared by*

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**DEPARTMENT OF AGRICULTURAL ENGINEERING**  
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**SUBJECT: AGRICULTURAL EXTENSION**

**SEM / YEAR: 08 /IV**

**UNIT-I: COMMUNICATION AND PROGRAMME PLANNING**

**9**

Communication – meaning – definition – models – elements and their characteristics – types and barriers in communication. Programme planning – meaning, definition, principles, steps in programme development process, monitoring and evaluation of extension programmes.

**PART - A**

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Define communication.	BT-1	Remembering
2	Discuss the importance of communication.	BT-2	Understanding
3	Who is the communicator?	BT-1	Remembering
4	What is model?	BT-1	Remembering
5	List out different models of communication	BT-1	Remembering
6	Give any four qualities of poor communicator.	BT-2	Understanding
7	List the skills of communicator.	BT-1	Remembering
8	Write the work flow of communicator.	BT-2	Understanding
9	What are the channels of communication?	BT-1	Remembering
10	What are the qualities of good communication?	BT-1	Remembering
11	Define the term 'Message'.	BT-2	Understanding
12	State any four characteristics of good message.	BT-2	Understanding
13	Classify varying treatment of message.	BT-2	Understanding
14	Differentiate Plan and Plan of Work.	BT-1	Remembering
15	What is Programme?	BT-2	Understanding
16	List out various communication models.	BT-1	Remembering
17	What are the barriers to communication?	BT-1	Remembering
18	Define programme planning.	BT-2	Understanding
19	State the assumptions of extension planning.	BT-2	Understanding
20	List the steps involved in programme action.	BT-2	Understanding
21	Classify types of evaluation.	BT-2	Understanding
22	Give the criteria of evaluation.	BT-2	Understanding
23	Write short note on nature of evaluation.	BT-2	Understanding
24	Brief about extension programme planning.	BT-2	Understanding
25	List the steps involved in evaluation process.	BT-2	Understanding

## PART - B

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Detail the good qualities of a good communicator.	BT-4	Analysing
2	Explain about the term 'communication' and its importance.	BT-4	Analysing
3	Compare and contrast good and poor communicator.	BT-3	Applying
4	List out all qualities of a poor communicator.	BT-3	Applying
5	Summarize features of good message.	BT-3	Applying
6	Criticize the factors that influences effectiveness of good message.	BT-4	Analysing
7	Detail Aristotle model of communication with neat sketch.	BT-4	Analysing
8	Brief about Shanon and weaver model.	BT-3	Applying
9	Differentiate Osgood -Schramm communication, Katz and Lazarfeld's model.	BT-4	Analysing
10	What do you understand about Rogers and Kincaid Model?	BT-4	Analysing
11	Elaborate David Berlo's Model with neat sketch.	BT-4	Analysing
12	Explain rationale of programme planning.	BT-3	Applying
13	Detail the principles of programme planning.	BT-4	Analysing
14	Explain different phases of planning process with neat sketch.	BT-4	Analysing
15	How implementation phase of planned programme should be carried out?	BT-3	Applying
16	Brief about programme planning process phase.	BT-3	Applying
17	Describe the extension evaluation nature, types and process.	BT-4	Analysing

## PART - C

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Elaborate Elements of communication.	BT-3	Applying
2	Detail about treatment of messages.	BT-4	Analyzing
3	Describe in detail about Lasswell's model.	BT-4	Analyzing
4	Explain the features of extension programme planning.	BT-3	Applying
5	Enumerate the steps involved in extension programme evaluation process.	BT-4	Analyzing

### UNIT-II: EXTENSION TEACHING METHODS

9

Extension teaching methods - Audio-Visual aids – definition – classification – purpose, planning and selection, combination and use – individual, group and mass contact methods – merits and demerits.

## PART - A

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	What do you understand about extension?	BT-1	Remembering
2	List out the elements of effective learning.	BT-1	Remembering
3	Categorize extension teaching method according to their use.	BT-2	Understanding
4	Classify extension-teaching methods according to their form.	BT-2	Understanding
5	Brief about individual contact methods.	BT-2	Understanding
6	Write short note on Group contact methods.	BT-2	Understanding
7	What are the techniques of Group discussion?	BT-2	Understanding
8	What are Audio - Visual aids?	BT-1	Remembering
9	List out 7 R's of Audio Visual aids.	BT-1	Remembering
10	Give limitations of Audio Visual Aids.	BT-2	Understanding
11	List the different types of demonstration.	BT-1	Remembering
12	Categorize Audio visual aid according to progress.	BT-2	Understanding
13	Classify Audio visual aid according to Sense Involved.	BT-1	Remembering
14	Explain Farm and Home Visit method	BT-1	Remembering
15	Write about the merits of Audio aids.	BT-2	Understanding
16	List out Non projected Visual aids.	BT-1	Remembering
17	What are Projected Visual aids?	BT-1	Remembering
18	Explain about result demonstration.	BT-2	Understanding
19	What do you understand about mass contact method?	BT-1	Remembering
20	Differentiate individual and group contact method.	BT-2	Understanding
21	Write any 3 objectives of Kisan Mela.	BT-2	Understanding
22	Define the term group discussion.	BT-1	Remembering
23	Explain the term POSTER based on extension.	BT-2	Understanding
24	Enumerate the guidelines to plan Audio Visual aids.	BT-1	Remembering
25	What are the types of gestures?	BT-1	Remembering

## PART - B

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Classify and explain extension teaching methods.	BT-4	Analysing
2	Brief about functions of Audio Visual Aids.	BT-4	Analysing
3	List out Audio aids merits and demerits.	BT-3	Applying
4	Discuss the role of radio and television in dissemination of agricultural information	BT-3	Applying
5	Brief about any three Audio aids.	BT-3	Applying
6	Explain any four projected Visual aids.	BT-4	Analysing
7	Describe about four Non- projected Visual aids.	BT-4	Analysing
8	Detail various types of charts.	BT-3	Applying
9	Brief about Flannel board and graph.	BT-4	Analysing
10	Compare between method demonstration and result demonstration with suitable examples.	BT-4	Analysing

11	Criticize the factors that influence the selection of audio visual aids.	BT-4	Analysing
12	Detail about the individual contact methods.	BT-3	Applying
13	Explain about the group contact methods.	BT-4	Analysing
14	Compare group and mass contact methods.	BT-4	Analysing
15	What is Group discussion? Explain the procedure to conduct the group discussion?	BT-3	Applying
16	Brief the steps of demonstration process.	BT-3	Applying
17	Analyse merits and demerits of individual, group and mass contact methods.	BT-4	Analysing

### PART - C

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Elaborate Audio visual aid classification with flow chart.	BT-3	Applying
2	Brief about different types of Audio aids.	BT-4	Analyzing
3	Detail various Non projected Visual aids.	BT-4	Analyzing
4	Discuss about the projected visual aids with merits and demerits.	BT-3	Applying
5	Explain about Kisan Mela objectives and procedure.	BT-4	Analyzing

### UNIT-III: MODERN COMMUNICATION GADGETS

9

Modern communication sources – internet, video and teleconferencing, Interactive Multimedia Compact Disk (IMCD), village kiosks, Kissan Call Centre (KCC), mobile phone.

### PART - A

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Define E-Extension.	BT-1	Remembering
2	State any 3 needs for E-Extension.	BT-1	Remembering
3	What are the goals of networking?	BT-1	Remembering
4	Classify types of networks.	BT-2	Understanding
5	Write any two limitations of internet.	BT-1	Remembering
6	List out modern communication sources.	BT-1	Remembering
7	Brief about voice mail.	BT-2	Understanding
8	What do you understand about Interactive computer video technology?	BT-1	Remembering
9	Write short note on interactive video disc.	BT-2	Understanding
10	What is IMCD?	BT-2	Understanding
11	Write the importance of agri portals.	BT-2	Understanding
12	Give the essential services provided by portal.	BT-2	Understanding

13	List out different levels of Kisan Call Centre.	BT-1	Remembering
14	Give the importance of KCC.	BT-1	Remembering
15	Which are the places have KCC infrastructure?	BT-1	Remembering
16	State the term 'Kiosk'.	BT-1	Remembering
17	What is the role of AGRIFONE?	BT-1	Remembering
18	What is IVR?	BT-1	Remembering
19	What do you understand about E-Arik?	BT-1	Remembering
20	Write short note on e SAMRIDHI.	BT-2	Understanding
21	List out any five apps developed in ICAR.	BT-1	Remembering
22	What is HillAgriApp.	BT-1	Remembering
23	Explain the use of Kisan Suvidhaa App.	BT-2	Understanding
24	What are the role of mKRISHI?	BT-1	Remembering
25	State the computer skills required in KCC.	BT-1	Remembering

### PART - B

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Detail the benefits of internet.	BT-4	Analysing
2	Criticize limitations of internet.	BT-4	Analysing
3	Brief about agri portal.	BT-3	Applying
4	Explain about information kiosks.	BT-3	Applying
5	Draw and explain flow chart of KCC process.	BT-3	Applying
6	Brief the skills required for different levels of KCC.	BT-4	Analysing
7	Brief about level I KCC.	BT-4	Analysing
8	Compare Level II and Level III of KCC.	BT-3	Applying
9	Differentiate infrastructure levels of I and II.	BT-4	Analysing
10	How will you monitor and review KCC?	BT-4	Analysing
11	Detail operational mechanism of KCC.	BT-4	Analysing
12	Detail any 5 Apps of agricultural extension.	BT-4	Analyzing
13	Explain the role of social media in sharing of agricultural knowledge.	BT-4	Analysing
14	Criticize the advantages of teleconferencing over conventional training methods.	BT-4	Analysing
15	Compare any two teleconferencing types.	BT-3	Applying
16	Explain modern communication sources with examples.	BT-3	Applying
17	How kiosk is differed from KCC?	BT-4	Analysing

### PART - C

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Elaborate about teleconferencing types, merits and demerits.	BT-4	Analyzing
2	Detail the concept of Kisan Call Center.	BT-4	Analyzing
3	Explain various infrastructure levels of KCC.	BT-3	Applying
4	Classify and detail the levels of KCC.	BT-4	Analyzing



5	Detail various mobile phone applications related to agriculture.	BT-4	Analyzing
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## UNIT-IV: DIFFUSION AND ADOPTION

9

Diffusion – meaning and elements. Adoption – meaning – adopter categories and factors influencing adoption, stages of adoption, Innovation decision process and attributes of innovation consequences of adoption.

### PART - A

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Define the term Diffusion.	BT-1	Remembering
2	State theory of Diffusion of Innovations.	BT-1	Remembering
3	Explain diffusion process.	BT-2	Understanding
4	List out the steps involved in decision making process.	BT-1	Remembering
5	What are the attributes of innovation?	BT-1	Remembering
6	What do you understand about innovation?	BT-1	Remembering
7	Define Rogers Adoption process.	BT-1	Remembering
8	What are the elements of diffusion process?	BT-1	Remembering
9	Write the Perceived characteristics of an innovation.	BT-2	Understanding
10	Write short note on ID Process.	BT-2	Understanding
11	State the stages of ID Process.	BT-1	Remembering
12	Brief the term 'Persuasion'.	BT-2	Understanding
13	Define innovativeness.	BT-1	Remembering
14	List out the consequences of innovation.	BT-1	Remembering
15	What do you understand about diffusion effect?	BT-1	Remembering
16	Brief about direct vs indirect consequences.	BT-1	Remembering
17	Draw adopter categories diagram.	BT-2	Understanding
18	What do you mean by 'Laggards'?	BT-1	Remembering
19	List out the factors influencing Rate of Adoption of Innovations.	BT-1	Remembering
20	Categorize social factors.	BT-2	Understanding
21	Brief the term social contact.	BT-2	Understanding
22	What do you understand about social distance?	BT-1	Remembering
23	How an extent of social contact should be?	BT-1	Remembering
24	Explain Trailability.	BT-1	Remembering
25	Give example for desirable consequences.	BT-1	Remembering

### PART - B

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Explain elements of diffusion.	BT-3	Applying
2	Detail any 3 attributes of innovations.	BT-4	Analysing

3	Elaborate different stages of adoption process.	BT-4	Analysing
4	Detail Perceived characteristics of an innovation.	BT-4	Analysing
5	Explain the five stages of process.	BT-3	Applying
6	Brief about any 3 adopter categories.	BT-3	Applying
7	Detail social factors influencing Rate of Adoption of Innovations.	BT-4	Analysing
8	Explain personal factors influencing Rate of Adoption of Innovations.	BT-3	Applying
9	Criticize different types of consequences.	BT-4	Analysing
10	Brief about Socio – Economic impact of Consequences.	BT-3	Applying
11	Detail Consequences of Innovation – its Impact analysis.	BT-4	Analysing
12	Compare social factors and personal factors influencing Rate of Adoption of Innovations.	BT-4	Analysing
13	Contrast Factors Influencing Rate of Adoption of Innovations.	BT-4	Analysing
14	Differentiate early and late majority.	BT-4	Analysing
15	Write short note on innovators and Early adaptors.	BT-3	Applying
16	Detail the terms knowledge and Persuasion in Innovation Decision process.	BT-4	Analysing
17	Detail the Singh adoption stages.	BT-4	Analysing

### PART - C

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Elaborate different stages of adoption process.	BT-4	Analyzing
2	Explain in detail about paradigm stages of Innovation Decision process with flow chart.	BT-3	Applying
3	Describe the various categories of adopters.	BT-4	Analyzing
4	Explain the influencing factors of adoption process with neat sketch.	BT-3	Applying
5	Brief about various situational factors of Rate of Adoption of Innovations.	BT-3	Applying

## UNIT-V: CAPACITY BUILDING

9

Capacity building of extension personnel and farmers – meaning – definition, types of training, training to farmers, farm women and rural youth, FTC & KVK.

### PART - A

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Define capacity building.	BT-1	Remembering
2	What are the approaches of capacity building?	BT-1	Remembering



3	What are the elements of capacity building?	BT-2	Understanding
4	Define training.	BT-1	Remembering
5	List out different types of training.	BT-1	Remembering
6	State the needs of training.	BT-1	Remembering
7	State the objectives of in-service training.	BT-1	Remembering
8	List the 3 models of training.	BT-1	Remembering
9	Differentiate pre-service and in-service training.	BT-2	Understanding
10	Write short note on vestibule training.	BT-2	Understanding
11	Write the various training centres for farmers.	BT-2	Understanding
12	What is FTC?	BT-1	Remembering
13	Give the objectives of FTC.	BT-1	Remembering
14	List out the training conducted by FTC.	BT-1	Remembering
15	Brief non-institutional training.	BT-2	Understanding
16	What is the role of SAMETI?	BT-1	Remembering
17	Explain about PMKSY scheme.	BT-2	Understanding
18	Discuss the objectives of FCAC.	BT-2	Understanding
19	Brief about STRY	BT-1	Remembering
20	Who are the beneficiaries of TRYSEM?	BT-1	Remembering
21	What do you understand about farmer's FIRST?	BT-1	Remembering
22	Define Krishi Vigyan Kendra (KVK)	BT-2	Understanding
23	Compare KVK, NYK, VTI	BT-2	Understanding
24	What do you understand about Front Line Demonstration?	BT-2	Understanding
25	How many persons are involved during Training? List the detail of the Persons.	BT-2	Understanding

### PART - B

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Explain in- service training types.	BT-3	Applying
2	Detail about capacity building and its types.	BT-4	Analysing
3	Brief pre-training Phase.	BT-3	Applying
4	Discuss about the steps involved in conducting active training programme.	BT-3	Applying
5	Elaborate about the Farmers Interest Group and Self Help Group.	BT-3	Applying
6	Write in detail about the components and sub components of Training.	BT-3	Applying
7	Describe Institutional Training conducted by FTC.	BT-4	Analysing
8	Explain the objectives and features of TRYSEM.	BT-3	Applying
9	Write the features of farmer's FIRST.	BT-4	Analysing
10	Detail the role of KVK.	BT-4	Analysing
11	Explain KVK practice with case study.	BT-3	Applying
12	Write short note on designing extension training programme.	BT-3	Applying
13	Explain the components of curriculum for farmers	BT-3	Applying

	training programme.		
14	How will you develop curriculum for farmers training programme?	BT-4	Analysing
15	Explain about the extension reforms.	BT-4	Analyzing
16	Discuss about the current extension scenario and its approaches.	BT-3	Applying
17	Detail any 2 training programmes conducted by extension services in Tamilnadu.	BT-4	Analysing

### PART - C

Q.NO	QUESTIONS	BT LEVEL	COMPETENCE
1	Criticize the factors to be considered for training to farmers.	BT-3	Applying
2	Detail different phases of training process.	BT-4	Analyzing
3	Brief about different models of training process.	BT-3	Applying
4	Detail the various types of trainings conducted by Farmer Training Centre (FTC).	BT-4	Analyzing
5	Explain the role of KVKs (Krishi vigyan kendras) in development of Indian Agriculture.	BT-4	Analyzing

