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MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hons.) Agriculture

Semester	: II (New)	Term	: II	Academic Year	: 2017-18
Course No.	: EXTN 122	Title	: Fundamentals of Agricultural Extension Education		
Credits	: 3 (2+1)				
Day & Date	: Wednesday, 02.05.2018	Time	: 09.00 to 12.00	Total Marks	: 80

- Note :**
1. Solve ANY EIGHT questions from SECTION "A".
 2. All questions from SECTION "B" are compulsory.
 3. All questions carry equal marks.
 4. Draw neat diagrams wherever necessary.

SECTION "A"

- Q.1 What is Education? Explain the different types of Education.
- Q.2 Define Extension Education. Enlist different principles of extension education and explain any two of them.
- Q.3 Enlist pre and post independence developmental programme and describe Sriniketan.
- Q.4 Enlist the different Rural Development Programmes launched by Government of India and discuss in detail any two of them.
- Q.5 Enlist different transfer of technology programmes and explain any two of them.
- Q.6 Enlist the different agricultural development programmes launched by ICAR and explain any two of them.
- Q.7 Define Programme Planning. Discuss the programme planning process in brief with suitable diagram.
- Q.8 What is Communication? Enlist various models of communication and explain S-M-C-R-E model of communication.
- Q.9 Define Extension Teaching Methods. Give its classification with suitable examples.
- Q.10 Write short notes (Any Two).
- a) Human Resource Development b) Adopter categories
- c) Privatization in extension

SECTION "B"

- Q.11 a) Define the following terms.
- 1) Community Development 2) Evaluation
- 3) Agriculture Journalism 4) Innovation
- b) Give full forms of the following.
- 1) IRDP 2) NAIP 3) LLP 4) KVK
- Q.12 Fill in the blanks.
- 1) _____ is the example of projected audio visual aids.
- 2) The word extension is derived from _____ root.
- 3) Institutional Village Linkage Programme was started in the year _____.
- 4) Gurgaon project was organized by _____.
- 5) Community Development Programme was started in the year _____.
- 6) Communication is derived from the Latin word _____.
- 7) National Agriculture Technology Project was started in the year _____.
- 8) High Yielding Varieties Programme was started in the year _____.



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Model Answer

SECTION "A".

- Q.1 1) Principle of cultural difference 2) Principle of indigenous knowledge 3) Principle of interests and need 4) Principle of learning by doing 5) Principle of participation 6) Principle of leadership 7) Principle of adaptability 8) Principle of satisfaction 9) Principle of evaluation 10) Principle of grass root

Q.2 Difference between
Extension Education

1. Emphasis on individual
2. Aim of individual development
3. Theme on individual's needs
4. Change by individual
5. Education arm of Government
6. Organization for service
7. Control by educational group
8. Permits participation
9. Branch of Agriculture Department
10. Not involved in promotion of local units

Community Development

- 1) On Co-operation
- 2) At group development
- 3) Communities needs
- 4) by groups and representatives
- 5) Direct government approach
- 6) Co-ordination of service agencies
- 7) by government agency
- 8) Force to participate
- 9) Branches of government
- 10) Directly involved

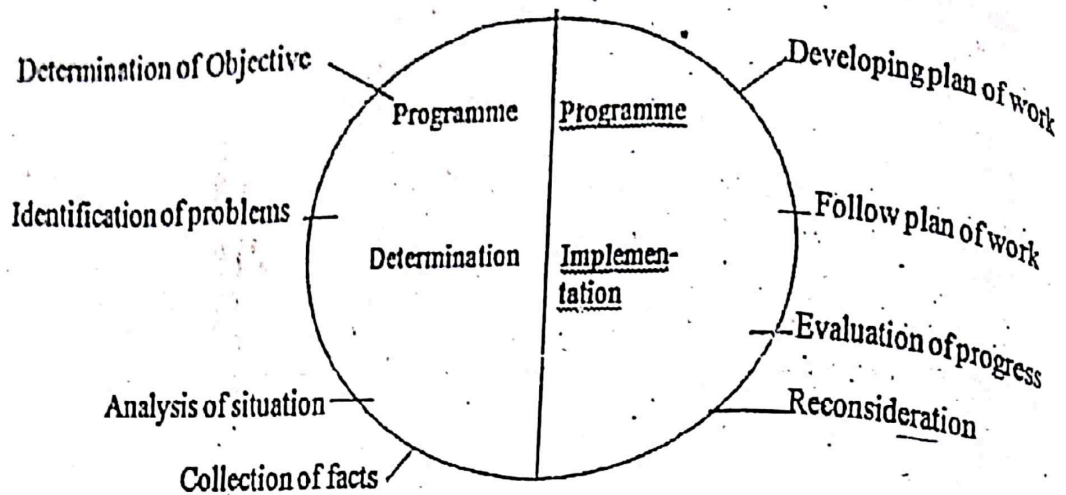
- Q.3 a) National Demonstration Scheme :- Started in 100 districts in 1965.

Objectives

- 1) To demonstrate genetic production potential
 - 2) To train farmers and Extension workers
 - 3) To provide 1st line knowledge to research workers
 - 4) To generate income and employment
 - 5) To develop leadership quality
 - 6) To influence extension system in the country.
- b) Krishi Vigyan Kendra : Mohan Singh Mehta Committee (1974) recommended. 1st KVK at Pondecherry 1974. In April, 92 all 1st line TOT projects are integrated with KVK's. Major Mandates are
- 1) Training Programme
 - 2) Frontline demonstrations
 - 3) On farm testing

Q.4 Steps of Programme planning process

3



Q.5 Evaluation is the process of determining the worth or quality of something

Types: 1) Informal and Formal Evaluations

2) Formative and Summative Evaluations

3) Ongoing and Ex post Evaluations

Q.6 1) Intensive Agricultural District Programme 2) Intensive Agricultural Area Programme

3) High Yielding Varieties Programme 4) Intensive Village Linkage Programme

5) Operational Research Project 6) National Agricultural Technology Project

7) National Agricultural Innovation Project 8) Rashtriya Kishi Vikas Yojana

Q.7 Management is the process of designing and maintaining an environment in which individuals working together in groups accomplish efficiently selected aims.

- Functions: 1) Planning
2) Organizing
3) Staffing
4) Directing
5) Controlling

Q.8 Audio-refers to sense of hearing Aids-refers to instructional devices
Visual-refers to sense of seeing

Audio aids		Visual		Audio-Visual aids	
		Non Projected	Projected	Non Projected	Projected
• Tape Recorder	• Chalk Board	• Slides		• Drama	• Motion Picture
• PAS	• Bulletin Board	• Film strips		• Puppet show	• Television
• Telephone	• Picture	• Opaque Material		• Talking doll	• Video
	• Photograph	• Overhead transparencies			
	• Poster				
	• Flash card etc.				

- Q.9
- 1) Aristotle- Speaker -Speech-Audience
 - 2) Shannon-Weaver(1949)- Source-Transmitter-Signal-Receiver-Destination
 - 3) Berlo (1960)- Source-Encoder-Message-Channel-Decoder-Receiver
 - 4) Shramm (1961)- Source-Encoder-Signal-Decoder-Destination
 - 5) Leagans (1963)- Communicator-Message-Channel-Treatment -Audience-Response
 - 6) Rogers and Shoemaker (1971) - Source-Message-Channel-Receiver-Effect
- Q.10 Innovativeness is the degree to which an individual or other unit of adoption is relatively earlier in adopting new ideas than other members of social system

Adopter categories

- 1) Innovators (2.5)
- 2) Early adopters (13.5)
- 3) Early majority (34)
- 4) Late majority (34)
- 5) Laggards (16)

SECTION "B"

Q.11 Fill in the blanks

- i) Gramsevak
- ii) 2007
- iii) Projected
- iv) G. L. Ray

Match the pairs

"A"

"B"

- | | |
|--------------------------|------------------------|
| 1. Shantiniketan Attempt | d) Ravindranath Tagore |
| 2. Etawah Project | c) Albert Mayer |
| 3. Nilokheri Experiment | b) S. K. Dey |
| 4. Marthandam | a) Dr. Spencer Hatch |

Q.12

Full form

- i) Institution Village Linkage Programme
- ii) Providing Urban Amenities in Rural Area
- iii) Mahila Arthik Vikas Mahamandal
- iv) Lab To Land Programme

b. Defination

- i) Objectives-It is a expression of the end towards which our efforts are directed
- ii) Cyber extenion – Using the power of online network computer communication and digital interactivye meultimedia to faciliated dessimination of agricultural techonolgy
- iii) Training- It is process acquring skills to perform a job better
- iv) Diffusion- It is process an innovation is communicated through certain channel over time among the member of social system