Use separate answer script for each group

M.A. Examination, 2016
Rural Management
Semester – I
Course - III

Time: 4 Hours | Full Marks: 80

Questions are of value as indicated in the margin

<u>Group – A</u>

Subject: Basic Managerial Micro Economics

Answer question No. 1 and <u>any three</u> from the rest

1. Answer the following questions: $5 \times 2 = 10$

(a) Distinguish between Microeconomics and Macroeconomics.
(b) What is income elasticity of demand?
(c) What is Total utility and Marginal utility?
(d) What is iso-cost?
(e) Distinguish between long run costs and short run costs

2. (a) What is the Law of Demand?
(b) How can you draw demand curve from a demand schedule?
(c) What are the types of demand elasticity?
(d) Explain price elasticity of demand with example.

2+2+2+4=10

3. (a) What do you mean by indifference curve?
(b) Discuss different properties of indifference curves.
(c) What are the remarks of Ernst Engel regarding the relationship between income and expenditure on certain classes of commodities?

2+4+4=10

4. (a) What is Total Product, Average Product and Marginal Product?
(b) Elaborate the Law of Variable Proportions.

3 +7=10

5. **Write short notes on <u>any four</u>** $2.5 \times 4 = 10$

(a) Perfect market Vs. Imperfect market
(b) Law of Diminishing Marginal Return
(c) Returns to Scale
(d) Least cost Technique
(e) Monopoly
(f) Fixed cost and variable costs

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Group – B

Subject: Quantitative Technique for Rural Management – I (Basic Statistics)

Answer Question No. 6 and any ***three*** from the rest

1. (a) Explain the advantages and disadvantages of diagrammatic representation of data. What type of diagram is more appropriate to explain the data related to occupation of households of a particular village? 3+2=5

(b) Followings are the most populous countries in the Globe in 2011. Construct a Pie Chart for the following data. 5

Country	China	India	USA	Indonesia	Brazil	Pakistan	Bangladesh
Population (Million)	134.1	121.02	30.87	23.76	19.07	18.48	16.44

2. You are given below the income of some daily labourer in a small village. Frame a frequency distribution with class interval of Rs.10.

Income in Rs.

210	213	244	244	227	217	298	236	230
227	224	273	251	212	242	203	258	246
240	221	262	231	255	233	204	248	220
260	270	209	249	286	295	251	282	242
229	254	238	278	241	277	215	257	207
265	236	267	241	255	222	269	267	234
245	239	225	226	275	257	253	237	259
219	252	256	232	281	240	247	238	262
276	228	292	246	246	235	216	242	278
268	247	237	235	247	243	266	256	248

10

3. Monthly savings of 227 SHGs are given below:

Savings(Rs.)	90-100	100-110	110-120	120-130	130-140	140-150	150-160
No. of SHGs	16	22	45	60	50	24	10

Calculate

(a) Number of SHGs whose savings between Rs.112 and Rs134.

(b) Number of SHGs whose savings less than Rs.112. and

(c) Number of SHGs whose savings greater than Rs.134.

$5+2\frac{1}{2}+2\frac{1}{2}=10$

4. (a) Find the mean of the following distribution:

Age in years	15-19	20-24	25-29	30-34	35-34	45-59	Total
No. of persons	37	81	43	24	9	6	200

(b) Find the missing frequencies in the following distribution, when it is known that A.M.=11.09 and total frequency is 60.

Class Limit	9.3-9.7	9.8-10.2	10.3-10.7	10.8-11.2	11.3-11.7	11.8-12.2	12.3-12.7	12.8-13.2
Frequency	2	5	f1	f2	14	6	3	1

5+5=10

5. (a) Find out the SD for the following table:

x	5	15	25	35	45	55	65	75
f	3	7	9	23	15	8	6	4

(b) From the following data calculate 'less than' and 'more than' cumulative frequencies:

Age (years)	Frequency
15-19	37
20-24	81
25-29	43
30-34	24
35-44	9
45-59	6
Total	200

5+5=10

6. Write a short note on any ***two*** of the following: 2×5=10

(a) Frequency Density
(b) Class Boundary
(c) Primary Data
(d) Class Mark