Undergraduate 2nd Semester Examination-2021

ECONOMICS

Course Coder-SH/ECO/201-C-3

Course Title- Intermediate Microeconomics-L

Course ID-21611

Time-2 Hours Full Marks-40

1. Answer any <u>five</u> of the following questions:

2x5=10

- a) Define normal and inferior good.
- b) Define Substitute and Complementary goods.
- c) Derive the relationship among AR, MR and price elasticity of demand.
- d) If MUx / MUy is constant, what will be the shape of indifference curve?
- e) What is expansion path? Write down the equation of expansion path.
- f) Show that if AC rises, then MC > AC.
- g) What do you mean by Law of variable proportion?
- h) What is product exhaustion theorem?

2. Answer any <u>four</u> of the following questions:

4x5 = 20

- a) Prove any two properties of Indifference curve.
- b) What is substitution effect? Explain the difference between Hicks and Slutsky's substitution effect. (2+3)
- c) Derive the demand curve under Revealed Preference Theory.
- d) Establish the relationship between price elasticity and total expenditure.
- e) Show how long run average cost curve can be derived from short run average cost curve.
- f) Explain the short run equilibrium of a competitive firm.

3. Answer any one of the following questions:

1x10=10

a) State and explain the assumptions of Marshallian demand theory. Derive the concept of equi-marginal utility in terms of this theory. (6+4)

b) What do you mean by 'Homogeneous' production function? Explain the properties of Cobb-Douglas production function. (2+8)