ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE-27 B.Sc ECONOMICS - I SEMESTER 16.8.2018

MID SEM EXAMINATION - AUGUST 2018 ECS118: MICRO ECONOMICS - I

Time: 1 Hour

Max. Marks: 30

I. Answer any FIVE of the following

5x 3 = 15

- 1. State the law of diminishing marginal utility with an example.
- 2. Explainwhy indifference curves are convex to the origin.
- 3. State the axioms of preference under indifference curve approach.
- 4. Show a situation where the axiom of dominance gets violated. Draw the shape of indifference curve in that situation.
- 5. What is the difference between partial and general equilibrium? Explain with an example.
- 6. State the law of equi-marginal utility.
- 7. What can be the shape of price consumption curve and the underlying demand curve when two goods are perfect substitutes?

П. Answer any ONE of the following

15X1 = 15

8. a. Find the optimum commodity purchased by a consumer (q1 and q2) whose utility function and budget constraint are the following:

 $U = q_1^2 q_2^2$ and $96 = 4q_1 + 8q_2$ respectively.

b. Prove that price effect (P.E) is the summation of substitution effect (S.E) and income effect (I.E) using compensating variation of income. (Assume that consumer has two commodities, q_1 and q_2 , where both the commodities are normal. Prove the above scenario if price of q_1 falls.).

c. What is the difference between positive and normative economics? Explain with examples.

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- 9. a. Draw Marshallian, Hicksian and Slutsky demand curves using price effect (P.E), substitution effect (S.E) and income effect (I.E).
 - b. Prove that tangency between indifference curve and budget line is a necessary condition but not the sufficient one to obtain the equilibrium point of a consumer.
 - c. What can be the shape of income consumption curve and Engel curve if two goods are perfect complements?