Class Test I: Applied Economics [Odd Semester: August-December 2019]

Department of Humanities and Social Sciences The LNM Institute of Information Technology

Marks: 10		
Dates 11th Conton	.h	1

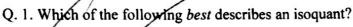
Weightage: 10% Time: 30 Minutes

Date: 11th September, 2019

Name: Parul Shandilya Roll No.: 16UCS126

General Instructions: Please read them carefully

- 1. There is only one correct answer to the multiple-choice questions;
- 2. There is <u>no</u> negative marking;
- 3. All question carries 1 mark each.



- a. Isoquant are always downward sloping
- b. Asoquant are always convex to the origin

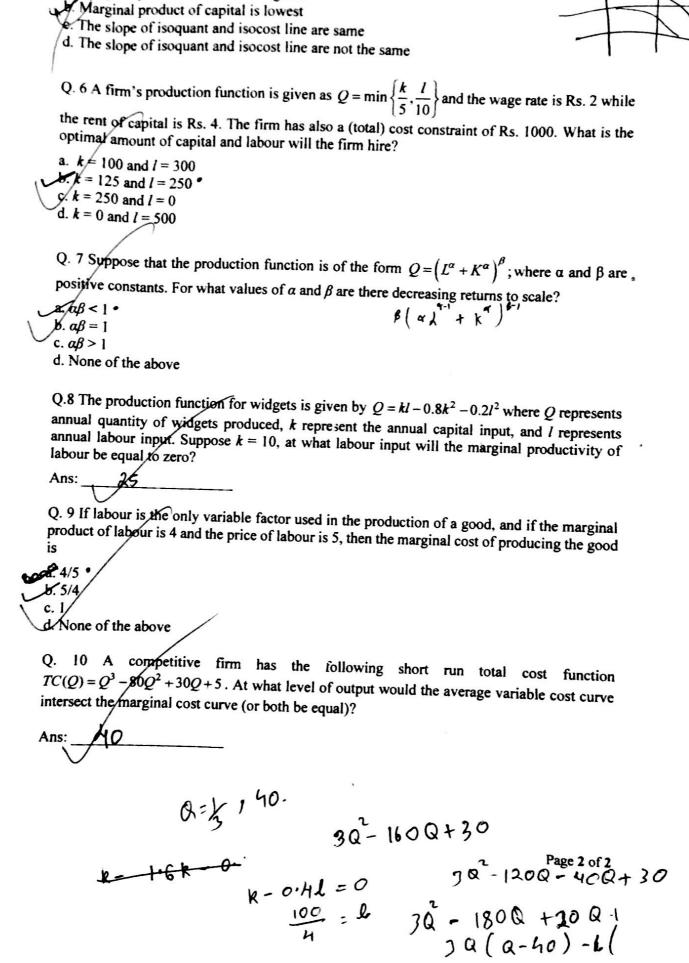
Mong an isoquant change of output is zero •
Law of diminishing marginal rate of technical substitution does not hold for an isoquant

- Q.2 When will a firm operating in short run in a perfectly competitive market shut down its operations?
- a. Price is equal to the Marginal Cost of Production
- b/Total revenue is greater than Total Variable Costs
- Price is greater than equal to the Average Cost of Production
- d. Price is less than the Average Variable Cost of Production
- Q. 3 Input demand functions derived from profit functions are better than those derived from the usual constrained optimization problem of minimize cost subject to output constraint or maximize output subject to cost constraint. The reason being: input demand functions derived from profit functions provide the information that how prices of products affect input demand.

a. Yrue & False

> Q. 4 For a typical production function of the form Q = f(k, l), which is of the following formula defines elasticity of substitution?

a.
$$\sigma = \frac{d \ln(MRTS)}{d \ln(k/l)}$$
b.
$$\sigma = \frac{d(MRTS)}{d(k/l)} \frac{(MRTS)}{(k/l)}$$
d.
$$\sigma = \frac{d(k/l)}{d(MRTS)} \frac{(MRTS)}{(k/l)}$$
d.
$$\sigma = \frac{d(k/l)}{d(MRTS)} \frac{(k/l)}{(MRTS)}$$



Q. 5 A firm using capital (k) and labour (l) for production. Every point on its (output) expansion

path will depict that

a. Marginal product of labour is highest