

## COMPUTER SCIENCE 21-04-2020

### TOPIC:- Reduce Boolean expression using K-MAP

#### Question 1.

(a) Given the Boolean function:  $F(A, B, C, D) = \prod(0,1,3,5,7,8,9,10,11,14,15)$

- (i) Reduce the above expression by using 4-variable K-Map. Showing the various groups ( i.e., octal, quads, and pairs). (ii) Draw the logic gate diagram of the reduced expression.

#### Question 2.

(a) Given the Boolean function :  $F(A, B, C, D) = \prod(0,2,6,8,10,14)$ .

- (i) Reduce the above expression by using 4-variable K-Map. Showing the various groups ( i.e., octal, quads, and pairs).  
(ii) Draw the logic gate diagram of the reduced expression.

Assume that the variables and their complements are available as inputs.

## ECONOMICS ASSIGNMENT

### CLASS XII C & D

Q.1 Explain the expenditure method of measuring price elasticity of demand.

Q.2 Explain point elasticity method of measuring price elasticity of demand.

Q.3 Do numerical questions 7 to 11 in your notebook. ( Pic for the questions is sent in group)

### CLASS XII E

Q.1 Explain any four factors on which price elasticity of demand depends.

Q. 2 Distinguish between Price elasticity, Income elasticity and Cross elasticity.

Q.3 Explain various degrees of Income elasticity of demand.

Q.4 Explain various degrees of Cross elasticity of demand.

## PHYSICS

### Class- XII B

1. Prepare notes from the marked text in the book.

2. Try to solve MCQ's and short questions based on explained topics.

### CLASS XII A

(1) Prepare notes of the explained topics.

(2) Try to solve numerical and conceptual problems related to explained topics.

## PHYSICAL EDUCATION

Q1- "Games and sports are man's cultural heritage ". Elaborate this statement

Q2- Enumerate the role of physical education in promoting national integration.

Q3- How does physical education help in promoting personal qualities such as patience , helpfulness , tolerance and discipline etc? Explain in detail.