PHYSICS

CLASS XII A

Solve numerical problem of chapter 1 asked in board examination.

CLASS XII B

1. Notes on the topics
   a) Electric field intensity due to continuous charge distribution
   b) Electric lines of force
   c) Electric Dipole
2. Try to solve MCQ's and short questions based on above topics

ECONOMICS ASSIGNMENT

Class XII - C & D

Q.1 why does the demand curve slopes downwards?

Q.2 explain the exceptions to the law of demand.

Q.3 explain with the help of diagrams the effect of the following changes on the demand of a commodity:

A. Rise in price of substitute goods.

B. Fall in the income of the buyer.

Q.4 distinguish between expansion of demand and increase in demand.

Q.5 distinguish between contraction of demand and decrease in demand.

CLASS XII E

Q.1 Define elasticity of demand and write it's types.

Q.2 Define price elasticity of demand.

Q.3 Draw the demand curves to show the elasticity of demand equal to:

A) zero

B) infinity

C) one

D) greater than one

E) less than one

Q.4 solve numerical problems 1 to 5 from page no 74 of your book.

COMPUTER SCIENCE

1. Convert the following expression into its canonical POS form.
   F(A,B)=(A+B).A'
2. Convert the following cardinal form of expression into its canonical form.

$F(P,Q,R)=\Pi(1,3)$

3. If A=1, B=0, C=1 and D=1, find its

i.　　Maxterm　ii.　　Minterm

4. If X=A'BC + AB'C + ABC + A'BC' then find the value of X

5. Convert the following function into its canonical sum of product form.

$F(x,y,z)=\Sigma(0,1,5,7)$

6. For the given truth table where A, B, C are inputs and X is the output.

A	B	C	X
0	0	0	1
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	1
1	0	1	0
1	1	0	1
1	1	1	0

Write

i.　　Canonical Sum of Product expression(SOP)

ii.　　Canonical Product of Sums expression(POS)

7. Convert the following Product of Sum form(POS) into its corresponding Sum of Products(SOP) form.　$F(xy,z)=\Pi(2,4,6,7)$

8. Given $F(x,y,z)=\Sigma(1,3,7)$

Prove $F(x,y,z)=\Pi(0,2,4,5,6)$

9. Convert the following SOP expression into its corresponding POS form.

$F(o,v,w)= o'v'w' + o'v'w + o'v'w + ov'w$

10. Write the POS form for the Boolean function F(A,B,C) whose output is 0 only when,

A=1, B=0, C=0

A=0, B=1, C=0

A=0, B=0, C=1

A=1, B=1, C=1