Home Assignment

B. A. 4th Semester

Subject :— Economics (Major)

Paper :— Mathematical Applications (4.1)
in Economics

full Marks :— 20

1. Answer the following Questions :—

(a) Find out Price, if $TR = 5q^2 + 7q$ and $q=2$.

__1__

(b) What is "Euler's Theorem"?   __2__

(c) What do you mean by "Two-Person Zero
Sum game"?   __2c__

2. Answer the following questions :—   __5×1=5__

(a) Calculate the Elasticity of Demand of the
following function ——

$$D = 10 P^{-0.5}$$

Or,

(b) Given the price equation, $P = 100 - 2q$ where q
is quantity demanded, find the point elasticity
of demand when $q = 10$.

                                    P. T. O.

3. Answer the following questions :—

$$10 \times 1 = 10$$

(a) The total cost function of a firm is given by — (R.P.)

$$TC = 200q - 5q^2 + 0.05q^3$$

where q is the quantity produced.

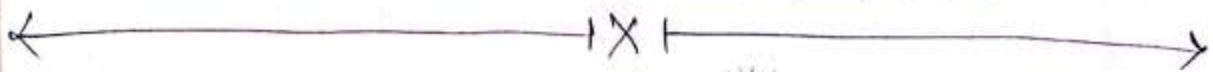Findout the output at which marginal cost (MC) is equal to average cost (AC).

OR,

(b) Given the consumption function,

$$C = c(Y) = 2000 - \frac{6000}{(5+Y)}$$

(i) Findout marginal propensity to consume (MPC) and marginal propensity to save (MPS) when $Y = 95$.

(ii) Also show that MPC and MPS move in the opposite direction when income (Y) changes.

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Home Assignment , 2020
B·A 4th Semester
Sub:— Economics (Major)
Paper — 42
F·M — 20

Q:1   Answer the following questions: 1×4=4
        (in very Short)

a)   What is Stationary State according to
      Classical economists?

b)   Write down the name of a development
      theorist

c)   Mention one indicator of economic
      development

d)   Name the propounder of the theory of
      Structural changes in economic
      development.

Q:2   Answer the following questions: (in Short) 2×3=6
  a) Define Adam Smith idea of "Division of labour"
  b) Distinguish between GNP & GDP
  c) What is meant by Capital accumulation?

Q:3   Answer the following questions 5×2=10
  a) Differentiate between Economic growth
      & Economic Development
  b)   Write a Short note on H·D·I

              or

      Give an idea of Adam Smith's theory of
      Economic Growth. Mention its limitations also. 10

Home Assignment, 2020
B. A 4th Semester
Sub:- Economics (G)
F.M — 20

Q:1   Answer the following questions:—
       ওপৰত দিয়া প্ৰশ্নবোৰৰ উত্তৰ লিখা।   1×4=4
  a)   Name the first Indian Who Calculated the
       National Income for the Country?
       দেশৰবাবে- কেৱলীয় আয় পৰিকল্পনা-কৰা প্ৰথম
       ভাৰতীয় জনৰ নাম লিখা।
  b)   Mention one of the problem of Indian
       agriculture.
       ভাৰতৰবাবে- কৃষিব্যৱস্থাৰ সৰহ সমস্যা উল্লেখ্য
       কৰা।
  c)   Mention the Sector of the economy in Which
       Industry
       শিল্প অৰ্থনীতিৰ কোন ভাগৰ অন্তৰ্গত-
       উল্লেখ্য কৰা।
  d)   Mention the Literacy rate of Assam according
       to 2011 Census.
       2022 চনৰ লোকপিয়ল অনুসৰি অসমৰ শিক্ষাৰ
       হাৰ কিমান?

2:2   Answer the following questions: 2×3=6
  a)   What is meant by Per Capita income?
       জনমূৰি আয় বুলিলে কি বুজা?
  b)   Define State Domestic Product.
       ৰাজ্যিক ঘৰুৱা উৎপাদনৰ সংজ্ঞা দিয়া।
  c)   What is meant by density of Population
       জনবসতিৰ ঘনত্ব বুলিলে কি বুজা?

Q:3   Write Short notes on:— 5×2=10
       চমু টোকা লিখা।
  a)   Green Revolution
       সেউজ বিপ্লৱ
  b)   Land Reform
       ভূমি সংস্কাৰ
            or /অথবা

P.T.O

Discuss the role of agriculture in Indian economy. 10

ভারতীয় অর্থনীতিতে কৃষির ভূমিকা আলোচনা কর।