বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. Honours Examinations 2020
(Under CBCS Pattern)
Semester - V
Subject: ECONOMICS
Paper: DSE1T

Full Marks : 60
Time : 3 Hours

Candiates are required to give their answer in their own words as far as practicable.
The figures in the margin indicate full marks.

ECONOMICS OF HEALTH AND EDUCATION

Answer any *three* from the following questions : 3×20

1. Explain the role of education and health in the development of an economy. 10+10

2. Discuss health system in India. 20

3. Explain the rate of return to education. 20

4. What is cost benefit analysis of health programme ? Why is it important ? 12+8

5. What are the private and social returns to investment in education ? Discuss the signalling theory of education. 7+7+6

6. Define Gross Enrolment Ratio (GER), Net Enrolment Ratio (NER) and Literacy rate. Mention the literacy structure of India in post independence era. How literacy rate affect standard of living ? 3+3+3+5+6

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APPLIED ECONOMETRICS

Answer any ***three*** from the following questions : 3×20

1. Consider the following regression output :

$$Y = 0.2033 + 0.656X$$
$$se = (0.0976)(0.1961)$$
$$R^2 = 0.397; \ RSS = 0.0544; \ ESS = 0.0358$$

Where Y is labor force participation rate (LFPR) of women in 1972 and X is LEPR of women in 1968. The regression results were obtained from a sample of 19 cities in the United States.

(a) How do you interpret this regression ?

(b) Test the hypothesis : $H_o : \beta_2 = 1$ against . Which test do you use ? And why ? What are the uderlying assumptions of the test (s) you use ?

(c) Suppose that the LFPR in 1968 was 0.58 (or 58 percent). On the basis of the regression results given above, what is the mean LFPR in 1972 ? Establish a 95% confidence interval for the mean prediction.

(d) How would you test the hypothesis that the error term in the population regression is normally distributed? Show the necessary claculations. 4×5

2. Discuss briefly any four criteria that have been used for model selection. What are the limitations of R^2 criterion of model selection ? 16+4

3. Write the functional forms of linear and log-linear regression models ? What do you mean by misspecification of functional forms of regression model ? What consequences can occur if the model is not correctly specified ? 6+6+8

4. Define and explain autoregressive models with legs of one and two periods. Discuss Koyek approach in Distributed Lag model. 10+10

5. Define panel data with example. Explain the Randam Effect Model of Panel data analysis. 6+14

6. Distiguish between structural form and reduced form in simultaneous equation model. 8+12

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ECONOMIC HISTORY OF INDIA (1857-1947)

Answer any *three* from the following questions : 3×20

1. (a) Trace out the causes that brought out decline of rural cottage industries, urban industries, and handicraft industries all over India during 19th century.

   (b) Discuss the role of Managing Agency system in the development of Indian industries. 10+10

2. (a) Critically analyse the phase of development of Indian railways between 1844 and 1914 .

   (b) Under what circumstances was the Gold Exchange Standard introduced in British India ? How far was it suscessful ? 10+10

3. (a) Write notes on 'Permanent Settlement' and 'Economic Drain' in pre-independent India. 5+5

   (b) Discuss the causes and effects of commercialization of agriculture in the colonial India. 5+5

4. (a) Discuss the basic features of colonialism in India ?

(b) Discuss the recommendation of the 'Fowler Committee' on the currency system in India.

10+10

5. (a) Write a note on the recommendation of the Hilton young commssion.

(b) Explain the concept of Gandhian Economic plan. 10+10

6. (a) Explain the de-industrialisation debate during the colonial period in India.

(b) Write a short note on Economic nationalism. 10+10

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