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UG/5th Sem/Eco(H)/T/19

2019

B.Sc. (Honours)

5th Semester Examination

ECONOMICS

Paper - DSE-1T

Full Marks : 60

Time : 3 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

[Economics of Health and Education]

Group - A

Answer any *ten* questions from the following.

10×2=20

1. (a) What is the main objective of Health Economics ?

(b) Define poverty line.

[Turn Over]

(2)

- (c) What do you mean by uncertainty of health economics ?
- (d) Explain health inequalities with examples.
- (e) What are the determinants of costing of health programmes ?
- (f) What do you mean by private rate of return and social rate of return to education ?
- (g) Define Human capital.
- (h) What is the full form of ICDS ?
- (i) What are the benefit of investment in human capital ?
- (j) What is the full form of NHM ?
- (k) What is the literacy rate in India of 2011 ?
- (l) Which state has the highest literacy rate in India as per Census of India, 2011 ?
- (m) What is the main purpose of Education in India ?

(3)

- (n) How can schools improve quality of education in India ?
- (o) What do you mean by elementary education in India ?

Group - B

Answer any *four* questions : $4 \times 5 = 20$

2. (a) What is the importance of education for poverty alleviation in India ?
- (b) Explain demand for health.
- (c) Distinguish between equity and inequality in health economics.
- (d) Why is Burden of Disease important in health economics ?
- (e) What is cost benefit analysis of health programmes ? Why is it important ?
- (f) Why is health financing important in India ?

[Turn Over]

(4)

Group - C

Answer any *two* questions : $2 \times 10 = 20$

3. (a) Explain the role of health and education in the development of an economy.
 - (b) Briefly describe health insurance market.
 - (c) Discuss health system in India.
 - (d) What is Gender Development Index ? Discuss the problems of gender and caste discrimination in India.
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(5)

[Applied Econometrics]

Group - A

Answer any *ten* questions from the following.

10×2=20

1. (a) Define rank condition of identification.
- (b) Distinguish between balanced panel data and unbalanced panel data.
- (c) What is individual effect in panel data regression model ?
- (d) State the order condition for identification.
- (e) What do you mean by instrument variable ?
- (f) What do you mean by instrumental variable ?
- (g) What is dummy variable trap ?
- (h) What do you mean by Panel data ?

[Turn Over]

(7)

- (c) State the important features of STATA.
- (d) Briefly explain the GLS method.
- (e) State the characteristics of Random Effect Model.
- (f) Briefly explain the instrumental variables estimation of the multiple regression model.
- (g) How would you define the sample regression function ?
- (h) Define and explain unit root test.

Group - C

3. Answer any *two* questions. 2×10=20

- (a) What is the Koyek approach to estimating a distributed lag model ? What are the merits and demerits of such an approach ? 5+5

[Turn Over]

(8)

- (b) Production data for 22 firms in a certain industry produces the following, where

$Y = \log(\text{output})$ and $X = \log(\text{man-hour})$

$$\bar{Y} = 20, \sum(Y_i - \bar{y}) = 100$$

$$\bar{X} = 10, \sum(X_i - \bar{x}) = 60$$

$$\sum[(X_i - \bar{x})(Y_i - \bar{y})] = 30$$

The model is $Y_i = \alpha + \beta X_i + \varepsilon_i$, $i = 1, 2, \dots, 22$
with $\varepsilon_i \sim N(0, \sigma^2)$ and $\text{Cov}(\varepsilon_i, \varepsilon_j) = 0$ for $i \neq j$

- (i) Compute OLS estimates of α and β
- (ii) Compute $\sum e_i^2$
- (iii) Compute standard error of α and β .
- (iv) Compute R^2 .
- (v) Compute the value of Y for the value of $X=12$.

(9)

- (c) Explain the estimation of Fixed Effect Model.
- (d) What are predetermined variables ? Give an example. Explain the simultaneity bias in OLS.

4+6

[Turn Over]

(10)

[Economic History of India (1857-1947)]

Group - A

Answer any *ten* questions from the following.

10×2=20

1. (a) Who first cited the term "Drain of Wealth" in his book ?
- (b) What is Laissez Faire ?
- (c) In which year the East India Company acquired the "Diwani of Bengal" ?
- (d) What was the share of agriculture in GDP during the colonial era in India ?
- (e) When the planning of Indian economy started ?
- (f) In which year EXIM Bank was established in India ?
- (g) From which country India adopted the Five Year Plans ?
- (h) In which year the TISCO was established ?
- (i) Which is the first large scale industry in India ?

(11)

- (j) State atleast one reasons of decline of Indian crafts during the British rule.
- (k) What is managing agency system ?
- (l) Mention two major industries which declined during the interwar periods.
- (m) Which industry created the dawn of new industrial era in India ?
- (n) From which year Industrial Revolution of British started to affect Indian Economy ?
- (o) Which industry was mainly affected by the partition of Bengal ?

Group - B

Answer any *four* questions. 4×5=20

- 2. (a) State four major characteristics of colonial Indian Economy.
- (b) Explain how the East India Company ruined the economy of India.

[Turn Over]

(12)

- (c) State a few reasons behind the decline of Indian handicrafts.
- (d) How the cotton industry helped the emergence of industrial resurgence in India ?
- (e) How the establishment of railways affected the Indian Economy ?
- (f) What were the imperial priorities in colonial Indian Economy ?

Group - C

Answer any *two* questions. $2 \times 10 = 20$

- 3. (a) Explain the trends in national income of India during colonial period.
 - (b) Briefly describe the managing agency system.
 - (c) Examine the evolution of imperial industrial structure in India.
 - (d) Write a brief note on commercialisation of Indian agriculture.
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