TDP (Honours) 4th Semester Exam., 2018

ECONOMICS

(Honours)

FOURTH PAPER

Full Marks : 80

Time : 3 hours

The figures in the margin indicate full marks for the questions

GROUP—A

(*Marks* : 40)

(Public Finance)

Answer **four** questions, taking **two** from each Unit

UNIT—I

1. *(a)* Discuss the nature and scope of public finance.

(b) Distinguish between public and private finance. 6+4=10

2. *(a)* Explain the principle of maximum social advantage.

(b) Discuss the limitations of the maximum social advantage principle. 6+4=10

3. *(a)* Discuss the various canons of public expenditure.

(b) Explain the causes of growth in public expenditure in recent years. 5+5=10

UNIT—II

4. *(a)* Discuss the desirability of public debt as a measure for financing economic development in a developed country.

(b) Distinguish between internal public debt and external public debt. 6+4=10

5. *(a)* Distinguish between impact and incidence of a tax.

(b) Show how the incidence of a tax is borne by buyer and seller according to elasticity of supply and demand. 5+5=10

6. *(a)* Discuss the objectives and components of fiscal policy.

(b) Distinguish between expansionary fiscal policy and contractionary fiscal policy. 5+5=10

(Continued)

GROUP—B

(*Marks* : 40)

(Basic Statistics)

Answer **four** questions, taking **two** from each Unit

UNIT—III

7. Distinguish between the following : 3+3+4=10

(a) Qualitative and Quantitative data

(b) Population and Sample

(c) Primary data and Secondary data with suitable examples

8. Prove that the sum of the squares of the deviations of a variable is the least if the deviations are taken from its arithmetic mean. 10

9. *(a)* If $y_i = \frac{x_i - c}{d} (i = 1, 2, \cdots, n)$, where c and d are constants, prove that $\bar{x} = c + d\bar{y}$.

(b) Find the median and the median class of the data given below :

Class boundaries	15–25	25–35	35–45	45–55	55–65	65–75
Frequency	4	11	19	14	0	2

5+5=10

UNIT—IV

10. *(a)* Find the mean and standard deviation of first n natural numbers.

(b) The scores of two batsmen, A and B in ten innings during a certain season are as under :

A	32	28	47	63	71	39	10	60	96	14
B	19	31	48	53	67	90	10	62	40	80

Find which of the batsmen is more consistent in scoring. 5+5=10

11. *(a)* Prove that correlation coefficient of two variables lies between -1 and $+1$.

(b) If the regression equation of y on x be $y = 0{\cdot}57x + 6{\cdot}93$ and the regression equation of x on y be $x = 1{\cdot}12y - 2{\cdot}46$, find the correlation coefficient between x and y. 6+4=10

12. *(a)* What is meant by moment of a distribution? What are the 'raw' and the 'central' moments?

(b) Explain the terms 'skewness' and 'kurtosis' used in connection with the frequency distribution of a continuous variable. (2+3)+5=10

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