



DELHI PUBLIC SCHOOL

SAIL TOWNSHIP, RANCHI

ANNUAL EXAMINATION (2017-2018)

Class:-XI

Subject:- ECONOMICS

Time- 3 Hrs.

M.M-90

General Instructions:

- All the questions in both the sections are compulsory.
 - Q.No. 01 – 04 and 13-17 are multiple choice or should answer in one sentence, carrying 1 mark each.
 - Q.No. 05,06 and 18 to 20 are short answer questions carrying 3 marks each. Answer to them should normally not exceed 60 words each.
 - Q.No. 07 to 09 and 21 to 23 are also short answer questions, carrying 4 marks each. Answer to them should normally not exceed 70 words each.
 - Q.No. 10 to 12 and 24 to 27 are long answer questions carrying 6 marks each. Answer to them should normally not exceed 100 words each.
 - Answers should be brief and to the point.
 - The above word limits should be adhered as far as possible.
There is no word limit for numerical problems.
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SECTION – A

1. The algebraic sum of deviation of a set of n values from arithmetic mean is: [1]
(a) n (b) 0 (c) 1 (d) none of the above
2. What is meant by variance? [1]
3. The Paasche's Price index number is based on [1]
(a) base year's quantities (b) current year's quantities
(c) Average of base and current years (d) None of these
4. What is negative correlation? [1]
5. Calculate median from the following series. [3]

X	14	12	10	13	11
f	3	18	3	12	12
6. Explain the following statements:
(a) Coefficient of correlation is independent of change of origin and scale of the variables X and Y.
(b) The converse of the theorem $r = 0$ is not true for coefficients of correlation. [3]

OR

Explain the mathematical properties of median

P.T.O

7. In a town, 25% of the people earned more than Rs 45,000, whereas 75% earned more than Rs 18,000. Calculate absolute and relative values of dispersion. [4]

OR

For a group of 50 male workers, the mean and standard deviation of their weekly wages are Rs 63 and Rs 9 respectively. For a group of 40 female workers, these are Rs 54 and Rs 6 respectively. Find the mean and standard deviation for a combined group of 90 workers.

8. Calculate mode for the following table by inspection method. Do not use grouping and analysis table. [4]

Production yield (Kg/hectre)	50 - 53	53 - 56	56 - 59	59 - 62	62 - 65	65 - 68	68 - 71	71 - 74	74 - 77
No. of firms	3	8	14	30	36	28	16	10	5

9. Calculate the cost of living index, for the following data using aggregate expenditure method. [4]

Commodity	Prices		Quantity (in units) 2012
	2012	2016	
A	10	15	15
B	08	12	20
C	20	24	10
D	32	40	05
E	15	20	06
F	12	18	02
G	08	10	01

10. (a) Define Karl Pearson's coefficient of correlation with the help of its basic formula.
 (b) From the following marks obtained by 10 students in Statistics and Economics, Calculate Spearman's Coefficient of rank correlation and comment. [2+4=6]

Statistics	36	56	20	65	42	33	44	53	15	60
Economics	50	35	70	25	58	75	60	45	89	38

11. From the following table, draw Lorenz curve for number of persons in Group A and Group B and interpret the result. [6]

Profit earned (Rs in '000)	20	30	40	50	60
No. of Persons (Group A)	06	08	10	12	14
No. of Persons (Group B)	15	10	09	11	05

12. Explain any 4 uses of Consumer Price Index. [6]

OR

Explain any 4 important problems while construction of index numbers.

SECTION – B

13. What do you mean by absolute poverty? [1]

14. _____ five yaer plan recognizes the importance of human capital. [1]

(a) Seventh ; (b) Third; (c) Eighth; (d) Sixth

15. What do you understand by devaluation of rupee? [1]

16. Mention 2 types of diversification of agricultural activities. [1]

17. Mention the period of Golden revolution. [1]

18. How are unemployment and poverty inter-related. [3]

19. Explain the role of education in economic development. [3]

OR

Write a note on gender equity in the present education system.

20. Mention 3 major problems of rural banking. [3]

21. Explain the problems faced by the farmers while marketing the agricultural commodities. [4]

OR

Explain the policy measures that are initiated by the Government to improve agricultural marketing.

22. Explain the types of quality of employment in India. [4]

23. How is human development a broader term as compared to human capital? [4]

24. Write a short note on “deregulation of Industries” under the new economic policy 1991. [6]

25. Briefly explain the 3 – dimensional attack on poverty adopted by the Government. [6]

OR

“The poverty alleviation programme have been found unsatisfactory due to number of reasons”. Comment.

26. Discuss the following as a source of human capital formation – [3 + 3=6]

(a) Health infrastructure

(b) Expenditure on migration

27. Enlist any 3 benefits and 3 limitations of organic farming in India. [3 + 3=6]
