



K21U 4586

Reg. No. :

Name :

V Semester B.A. Degree CBCSS (OBE) Regular Examination, November 2021
(2019 Adms. Only)

CORE COURSE IN ECONOMICS/DEVELOPMENT ECONOMICS
5B07 ECO/DEV ECO : Basic Tools For Economic Analysis – I

Time : 3 Hours

Max. Marks : 40

PART – A

Answer **all** questions. **Each** carries **one** mark.

1. What is PPC ?
2. What do you mean by classification of data ?
3. What is isoquant ?
4. Simply the following equation using the rule of exponents $x^4 \cdot x^5$.
5. What is meant by average cost ?
6. What is range ?

(1×6=6)

PART – B

Answer **any six** questions. **Each** carries **two** marks.

7. What do you mean by Gini coefficient ?
8. What is meant by probability ?
9. State the difference between census method and sampling method.
10. Draw the graph of $3y + 15x = 30$.
11. Explain mutually exclusive events.
12. From the following sample, calculate harmonic mean: 1, 3, 5, 6, 8.
13. What is the difference between finite set and infinite set ?

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14. You know that two tennis player, R and S, have played 36 matches and that R has won 24 of them. You offer to bet a friend your Rs. 15 against Rs. 10 that R will win the next match. Is this a fair bet ? (2×6=12)

PART – C

Answer **any four** questions. **Each** carries **three** marks.

15. Explain the demerits of arithmetic mean.
16. Describe the relation between mean, median and mode when the data is skewed.
17. Graphically explain Lorenz curve.
18. Find the mean deviation about the mean for the following data: 6, 7, 10, 12, 13, 4, 8, 12.
19. Sketch the graph of the total cost function $TC = 3q^2 + 5q + 48$ for $q = 0$ to $q = 5$. Find the marginal and average cost functions.
20. Write a note on the merits of census sampling. (4×3=12)

PART – D

Answer **any two** questions. **Each** carries **five** marks.

21. Explain tabulation. And what are the essential parts of a table ?
22. Calculate standard deviation from the following data.

| Wages (In Rs.) | Number of Workers |
|----------------|-------------------|
| 20 – 24 | 21 |
| 25 – 29 | 34 |
| 30 – 34 | 43 |
| 35 – 39 | 56 |
| 40 – 44 | 58 |
| 45 – 49 | 67 |
| 50 – 54 | 56 |
| 55 – 59 | 47 |
| 60 – 64 | 34 |
| 65 – 69 | 26 |
| 70 – 74 | 20 |



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23. Explain various tools used in the presentation of data.
24. Calculate median and mode from the following data.

| Marks | Number of students |
|---------|--------------------|
| 5 – 9 | 4 |
| 10 – 14 | 6 |
| 15 – 19 | 7 |
| 20 – 24 | 10 |
| 25 – 29 | 15 |
| 30 – 34 | 12 |
| 35 – 39 | 8 |
| 40 – 44 | 6 |
| 45 – 50 | 3 |

(5×2=10)