



PART – C

Answer **any six** questions. Answer not to exceed **one page each**. **Each** carries a weightage of **two**.

- 19. Explain the classification of a statistical data.
- 20. What is a random sample ? How do you select a random sample from a finite population ?
- 21. What are the properties of a good average ?
- 22. How standard deviation is considered as the most reliable measure of dispersion ?
- 23. Find mean deviation about median.

Size	10	11	12	13	14
Frequency	5	12	18	10	3

- 24. Calculate the quartile coefficient of skewness :

x	5	10	15	20	25	30	35
f	2	8	22	34	16	10	8

- 25. What is Fisher's ideal index ? Why is it called ideal ?
- 26. Explain the steps involved in the construction of general index number ? **(W=6×2=12)**

PART – D

Answer **any two**. **Each** question carries a weightage of **four**.

- 27. From the chain base index numbers given below, prepare fixed base index numbers.

Year	2005	2006	2007	2008	2009	2010
Index No.	92	102	104	98	193	101



28. Statistical methods are most dangerous tools in the hands of an inexperienced. Examine this statement. How are statistical methods helpful in business ?

29. Calculate standard deviation and coefficient of variation for the following frequency distribution.

Class : 4-8 8-12 12-16 16-20 20-24 24-26 28-32 32-36 36-40

Frequency : 11 13 16 14 14 9 17 6 4
(W=2x4=8)

PART - D