

Statistics-1
Model Exam Question paper - 1
11th Standard

Business Maths

Reg.No. :

--	--	--	--	--	--

I. Answer all the questions

Time : 00:35:00 Hrs

Total Marks : 25

Part-A

5 x 1 = 5

- 1) Which one is the measure of central tendency
(a) Range (b) Coefficient of variation (c) Median (d) None of these
- 2) Arithmetic Mean 2, -2 is
(a) 2 (b) 0 (c) -2 (d) None of these
- 3) Median for 2, 20, 10, 8, 4 is
(a) 20 (b) 10 (c) 8 (d) None of these
- 4) Mode is
(a) Most frequent value (b) Middlemost value (c) First value of the series (d) None of these
- 5) The Geometric mean 0, 2, 8, 10 is
(a) 2 (b) 10 (c) 0 (d) None of these

Part-B

4 x 2 = 8

- 6) Calculate the Harmonic mean.
Size: 67891011
Frequency: 46952 8
- 7) From the following data, compute the value of Harmonic mean.
Class interval: 10-20 20-30 30-40 40-50 50-60
Frequency: 4 6 10 7 3
- 8) Three coins are tossed. Find the probability of getting (i) no heads (ii) at least one head.
- 9) A perfect die tossed twice. Find the probability of getting a total of 9.

Part-C

4 x 3 = 12

- 10) Find the range and co-efficient of range for the following data.
12, 8, 9, 10, 4, 14, 15
- 11) Find the range and co-efficient of range for the following data.
35, 40, 52, 29, 51, 46, 27, 30, 30, 23.
- 12) Calculate range and its coefficient from the following distribution.
Size: 60-62 63-65 66-68 69-71 72-74
Number: 5 18 42 27 8
- 13) Find the range and its co-efficient from the following data.
Wages (in RS): 35-45 45-55 55-65 65-75 75-85
No. of Workers: 18 22 30 6 4
