

B.Sc. Semester-IV General Examination, (CBCS), 2022

St. Paul's Cathedral Mission College

STATISTICS (GENERAL) PRACTICAL

PAPER- GE-4/CC-4

Time: 2 hours and 30mins

F u l l M a r k s : 3 0

The figures in the margin indicate full marks

Answer all the questions.

- 1) The following table gives the scores in Statistics of 48 students in an examination:

30	37	37	42	21	43	51	11	47	24	15	20
03	08	22	31	39	05	35	30	28	63	53	48
24	24	44	23	11	49	17	26	16	44	04	03
14	33	34	42	34	14	37	28	05	34	30	01

(a) Draw a random sample of size 25% from the population of scores (i) with replacements

(b) Give an estimate of the mean score per student in the whole group.

c) Also give an estimate of the standard error.

(4+1+2)

- 2) Fit an exponential trend to the following data by the method of least square. Estimate the population figure for 2001.

Census Year(t)	1911	1921	1931	1941	1951	1961	1971
Population (in crores)	25.0	25.1	27.9	31.9	36.1	43.9	54.7

(7+1)

- 3) Fill in the blanks in a portion of Life table given below:

Age in years(x)	l_x	d_x	p_x	q_x	L_x	T_x	e_x^0
4	95,000	500	0.62	?	?	4,850,300	?
5	?	400	0.66	?	?	?	?

(5)

- 4) Practical notebook.

(5)

- 5) Viva-voce.

(5)

.....THE END.....

