## FIRST QUARTERLY TEST AUGUST 2024

- Wallet - Wall	ASS: I PUC SUBJECTION	CT : STATISTICS (31)	Max. Marks: 40
	tructions :	2011 A 200 AC B X	70 4 30 5 4
1)	Statistical tables and graph sheet	ts will be provided on reques	st.
2)	Scientific calculators are allowed.		
	All working steps should be clear		
4)	Only the first written answers wi	ll be considered for Section-	A
	Are A realist.	SECTION-A	
I	Choose the correct answer from	n the choices given:	3x1=3
1)	Statistics is defined as "the science	of averages" by	
	a) R. A. Fisher	b) Boddington	
	c) A. L. Bowley	d) Croxton and Cowden	
2)	The person who conducts the stati		
-)	a) Enumerator b) Respondent		d) Investigator
2)	Classification of data on the basis	AND THE REST OF TH	a) mresugator
3)			ification
	a) Chronological classification	b) Qualitative class	
	c) Geographical classification	d) Quantitative class	ssification
II	Match the following:		3x1=3
	A	B to	
4)	A population with countable numb	er of units a) Actual value -	Estimated value
5)	Absolute error	b) Median	
6)	Ogive	c) Finite population	on
		d) Mode	
Ш	Fill in the blanks by choosing the (Schedule, Statista, Statistik)	e appropriate word from tho	se given in the brackets: $2x1=2$
7)	• is the German word	for Statistics.	
8)	is a list of questions w	here the facts will be supplied b	y informants and recorded
-,	by enumerators		
TV/	COLUMN TO COLUMN		3x1=3
IV 9)	Answer the following questions: Mention a scale of measurement or		311-3
10)	Define pilot survey.	i quantative data.	
11)	Give one example for one-dimension	onal diagram.	
	appoint the second of the	SECTION-B	
V	Answer any TWO of the follow		2x2=4
12)	Mention two main branches of Sta		212 4
13)	Define sampling. Mention a metho		
14)	Write any two objectives of classif		
		SECTION-C	
VI	Answer any TWO of the follow		2x5=10
15)			
16)	What are the guidelines for the con		
-	•		(P.T.O)

17) Distinguish between census enumeration and sample survey.

18) Draw a blank table to show the strength of students of a college according to :

i) Faculty

: Arts, Commerce, Science.

ii) Sex

: Male, Female

iii) Class

: I PUC, II PUC.

## VII Answer any ONE of the following questions:

1x5=5

19) Following are the marks obtained by the students in a certain test. Prepare a frequency distribution with class interval width of 10 each using exclusive class intervals.

						- 12						
55	69	63	46	29	18	37	46	59	29	35	27	45

20) The amount allocated in 12th Five-year plan in thousand crores of rupees is as follows:

Heads	Transport	Agriculture	Education	Irrigation	Industry
Central Govt.	400	200	250	300	50
State Govt.	50	150	300	250	100

Request the data by multiple bar diagram.

## SECTION-D

## VIII Answer any ONE of the following questions:

 $1 \times 10 = 10$ 

21) Below are the ages of husbands and wives. Prepare a bivariate frequency distribution.

										-				_						
Sl. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Age of husband (in years)	24	42	29	37	35	41	33	36	29	38	27	30	26	41	25	38	31	35	29	47
Age of wife (in years)	28	37	25	47	23	39	23	32	24	38	23	40	25	35	21	34	20	29	25	34

22) a) For the following data regarding the income of the government from different sources, draw a pie chart.

Source	Customs	Excise	Income Tax	Corporate tax	Miscellaneous	Total
Revenue	80	190	160	75	35	540
(in million ₹)					to the	

b) Draw a histogram for the following data. Hence find the value of mode.

Class Interval	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	5	12	20	15	10	8

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