Shivam kumar,

1) Which of the following statements is/are incorrect?

1 point

- To represent the share of a particular category, bar chart is the most appropriate graphical representation.
- The multiplication of the total number of observations and relative frequency of a particular observation should be equal to the frequency of that observation.
- Mean can be defined for a categorical variable.
- Mode of a categorical variable is the widest slice in a pie chart.
- Bar that can represent frequency count, it does not directly show the share of proportion.

 fix that or 1. bor that would be more appropriate for representing shore.

 Mean is for numerical variable.

Graded Assignment 2

Figure 2.1.G shows the pie chart representation of the weightage distribution of 5 different su in an exam. Based on this information, answer questions (2) and (3).



Figure 2.1.G: Weightage distribution of 5 different subjects



315	as when = 35.1. = 35. x 3 =		
	Phuphto 18 , 500 - 90	1 point	
	.4.1W - 18" - 10 x 3"		

- 3) Choose the correct statement(s): QnlsQV 107 = 10 x 500 = 50 1 point
- The pie chart is misleading because it does not obey the area.
 - The pie chart has round off errors.
 ✓ The pie chart is not a misleading graph.
 - The slices of pie chart adds up to 100%.

Table 2.1.G represents the distribution of 200 cricket players trained by different cricket academies in Chennal

Academy	Number of Players
A	a
B	b
C	50
D	d
E	75

Table 2.1.G

If each academy has trained at least one player, then based on the given information, answer questions (4), (5), (6) and (7).

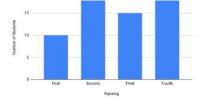
4) What is the combined relative frequency of the academy A,B and D? (Enter the answer correct to 3 decimal places)

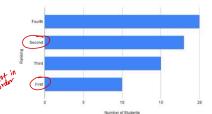
0.375

1 point

Relative frywny of
$$C = \frac{200}{200} = 0.875$$
Combined R-frywny of (A.8.D) = 1- (0.25+ 0.575)

5)	Median of the given data is:		
0	Academy C	Academ	Number of Players
0	Academy E	A	a a
0	Academy D	B	b
0	Median is not defined for the given data	C D	50 d
	Insufficient data	E	75
Ŭ	mountain data		
6)	Mode of the given data is:	Table 2.1.G	
0	Academy C		
	Academy E		
	Academy D		
0			
0	Insufficient data		
7) V	Which of the following graphical representations is approp	riate for the number of i	lavers in each 1 noint
	demy for the given data in Table 2.1.G?		,
0	Bar chart		
0	Pie chart		
0	Pareto chart		
0	Both bar chart and pareto chart		
8) The	e data of number of students sharing the same rank is collec	ted. Which of the following	n ie/ara 1 naint
	le to represent the collected data?	aca. Which of the follows	g is, are 7 point
	20		
	g 15		
	thribut of Should the state of Should the stat		
₽	pare of		
r	E 10		
	5 First Second Third	Fourth	
	Ranking Ranking		
	down not with O Ranking		
	1150		





- 9) Choose the correct statement about categorical data:
 - Categorical data have measurement units.
- Categorical data can take numerical values, but no meaningful mathematical operations can be performed on it.

1 poi

- Categorical data is quantitative in nature.
- All of the above

The distribution of grades in a Statistics class consisting of 80 students is shown by a pie chart in Figure 2.2.G. Based on the information given, answer the questions (10) and (11)

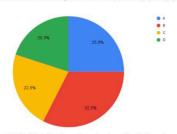


Figure 2.2.G: Distribution of grades in a Statistics class

10) How many students have secured B grade?

26

11) What is the ratio of the students who secured a C grade to the students who secured an A grade?

1 point

1 point

C grade -
$$\frac{100}{22.5} \times \frac{10}{10} = \frac{10}{10}$$

C: A = 18: 20
= 9:10
= 9:10
= 9:10
= 9:10
= 9:10
= 9:10
= 9:10