

# \* SOLUTIONS \*

King Fahd University of Petroleum & Minerals  
Department of Mathematical Science  
STAT-211-Term042-I

Quiz #2  
ID:

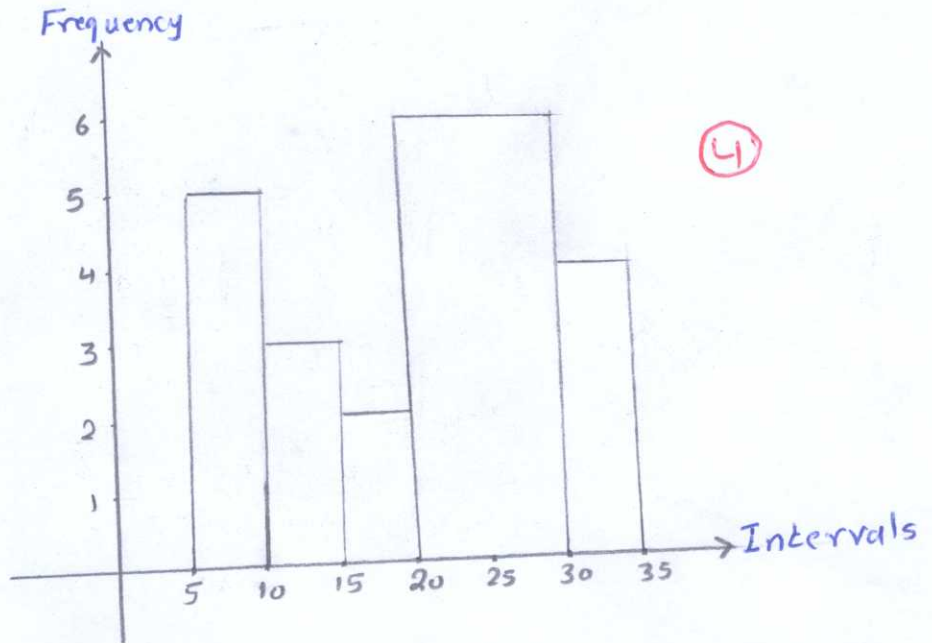
Section:  
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Question One (5-Points)

For the following table, Construct the frequency histogram, and comment on the shape of the distribution.

Interval	Frequency
5----10	5
10----15	3
15---20	2
20---30	6
30--35	4
Total	20



①

Comment: It is not symmetric, and the majority of the observations lie on the interval 20-30

Question Two :( 5-Points)

The following observations are the daily sales in thousands of super market in S.R.

50, 55, 49, 48, 70, 61, 69, 47, 57, 65, 73, 46, 64, 53, 61, 60, 63, 59, 74

Construct a stem-and-leaf plot, and comment on the shape

Ordered Data: 46, 47, 48, 49, 50, 53, 55, 57, 59, 60  
61, 61, 63, 64, 65, 69, 70, 73, 74.

Stem	Leaves				
4	6	7	8	9	
5	0	3	5	7	9
6	0	1	1	3	4 5 9
7	0	3	4		

④

Comment: It is approximately symmetric, and the majority of the observations between 60 and 70.

①