UNIT 17 *Measures of Central Tendency*

CSEC Multiple Choice Questions

For each of these questions, choose the option (A, B, C or D) that is TRUE.

1. The range of a sample gives an indication of the

   (A) way in which the values cluster about a particular point

   (B) number of observations bearing the same value

   (C) maximum variation in the sample

   (D) degree to which the mean value differs from its expected value.

2. The observation which occurs most frequently in a sample is the

   (A) median

   (B) mean deviation

   (C) standard deviation

   (D) mode

3. What is the median of the sample $5, 5, 11, 9, 8, 5, 8$?

   (A) 5

   (B) 6

   (C) 8

   (D) 9

Items 4 - 5 refer to the information below.

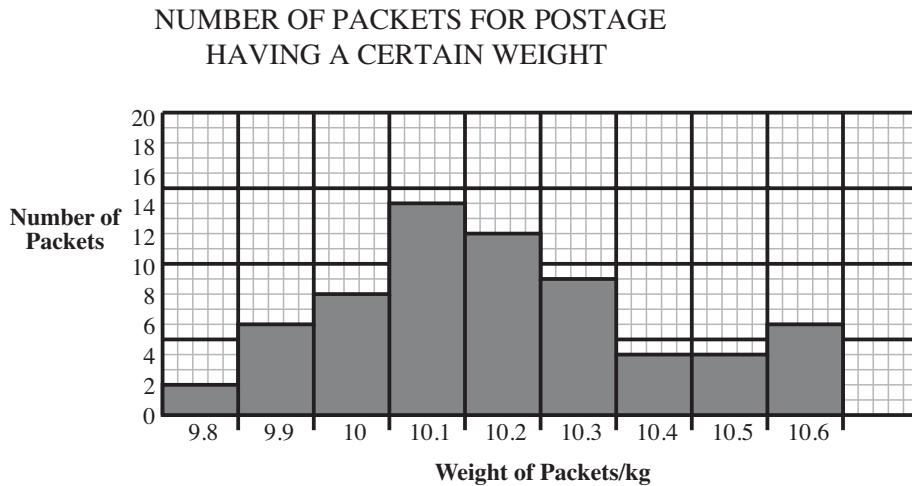The following scores were obtained by eleven footballers in a goal-shoot competition:

   5   3   6   8   7   8   3   11   6   3   2

4. The modal score was

   (A) 3

   (B) 6

   (C) 8

   (D) 11

5. The median score was

   (A) 3

   (B) 6

   (C) 8

   (D) 11

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Items 6 - 8 refer to the graph below.

NUMBER OF PACKETS FOR POSTAGE HAVING A CERTAIN WEIGHT

6. How many packets were weighed?

   (A) 9

   (B) 14

   (C) 65

   (D) 92

7. What is the frequency of the median weight?

   (A) 7

   (B) 8

   (C) 12

   (D) 14

8. What is the modal weight?

   (A) 9.9 kg

   (B) 10.1 kg

   (C) 10.2 kg

   (D) 10.5 kg

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9. The mean of ten numbers is 58. If one of the numbers is 40, what is the mean of the other nine?

    (A)   18

    (B)   60

    (C) 162

    (D) 540

10. The mean of 11 numbers is 7. One of the numbers, 13, is deleted. What is the mean of the remaining 10 numbers?

    (A)   7.7

    (B)   6.4

    (C)   6.0

    (D)   5.8

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CSEC Multiple Choice
Questions

ANSWERS

1. C
2. D
3. C
4. A
5. B
6. C
7. C
8. B
9. B
10. B