

TOPIC : STATISTICAL DESCRIPTION OF DATA

1. Which of the following statement is true ?
 - (a) Statistics is derived from the French word 'Statistic'.
 - (b) Statistics is derived from the Italian word 'Statista'.
 - (c) Statistics is derived from the Latin word 'Statistique'.
 - (d) None
2. In tabulation, source of data, if any, is shown in the :
 - (a) Stub
 - (b) Body
 - (c) Caption
 - (d) Footnote
3. Relative frequency for a particular class lies between :
 - (a) 0 and 1
 - (b) 0 and 1, both inclusive
 - (c) - 1 and 0
 - (d) - 1 and 1
4. Cost of sugar in a month under the heads raw materials, labour, direct production and others were 12, 20, 35 and 23 units respectively. What is the difference between the central angles for the largest and smallest components of the cost of sugar ?
 - (a) 72°
 - (b) 48°
 - (c) 56°
 - (d) 92°
5. In order to compare two or more related series, we consider :
 - (a) Multiple Bar Chart
 - (b) Grouped Bar Chart
 - (c) (a) or(b)
 - (d) (a) and (b)
6. The distribution of profits of a company follows :
 - (a) J – shaped frequency curve
 - (b) U – shaped frequency curve
 - (c) Bell – shaped frequency curve
 - (d) Any of these
7. In indirect oral investigation :
 - (a) Data is not capable of numerical expression
 - (b) Not possible or desirable to approach informant directly.
 - (c) Data is collected from the books.
 - (d) None of these
8. Some important sources of secondary data are _____ :
 - (a) International and Government sources
 - (b) International and primary sources
 - (c) Private and primary sources

- (d) Government sources
9. From the following data find the number class intervals if class length is given as 5.
73, 72, 65, 41, 54, 80, 50, 46, 49, 53.
- (a) 6
(b) 5
(c) 7
(d) 8
10. Which of the following is a statistical data ?
- (a) Ram is 50 years old.
(b) Height of Ram is 5'6" and of Shyam and Hari is 5'3" and 5'4" respectively.
(c) Height of Ram is 5'6" and weight is 90 kg.
(d) Sale of A was more than B and C.
11. Less than types and more than type Ogives meet at a point known as :
- (a) Mean
(b) Median
(c) Mode
(d) None
12. Nationality of a person is :
- (a) Discrete variable
(b) An attribute
(c) Continuous variable
(d) None
13. The primary rules that should be observed in classification
- (i) As far as possible, the class should be of equal width
(ii) The classes should be exhaustive
(iii) The classes should be unambiguously defined
- (a) Only (i) and (ii)
(b) Only (ii) and (iii)
(c) Only (i) and (iii)
(d) All (i), (ii) and (iii)
14. Frequency Density can be termed as :
- (a) Class frequency to the cumulative frequency
(b) Class frequency to the total frequency
(c) Class frequency to the class length
(d) Class length to the class frequency
15. The frequency of class 20 – 30 in the following data is

Class	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50
Cumulative Frequency	5	13	28	34	38

- (a) 5
(b) 28
(c) 15
(d) 13
16. From which graphical representation, we can calculate partition values ?
- (a) Lorenz curve
(b) Ogive curve
(c) Histogram
(d) None of the above
17. What is a exclusive series ?
- (a) In which both upper and lower limit are not included in class frequency.

- (b) In which lower limit is not included in class frequency.
 (c) In which upper limit is not included in class frequency
 (d) None of the above
18. Difference between the maximum and minimum value of a given data is called
 (a) Width
 (b) Size
 (c) Range
 (d) Class
19. There were 200 employees in an office in which 150 were married. Total male employees were 160 out of which 120 were married. What was the number of female unmarried employees ?
 (a) 30
 (b) 10
 (c) 40
 (d) 50
20. The following data relates to the marks of a group of students.

Marks	No. of students
More than 70%	07
More than 60%	18
More than 50%	40
More than 40%	60
More than 30%	75
More than 20%	100

- How many students have got marks less than 50% ?
 (a) 60
 (b) 82
 (c) 40
 (d) 53
21. If the fluctuations in the observed value are very small as compared to the size of the item, it is presented by :
 (a) Z chart
 (b) Ogive curve
 (c) False base line
 (d) Control chart
22. Data collected on religion from the census reports are :
 (a) Primary data
 (b) Secondary data
 (c) Sample data
 (d) (a) or (b)
23. For constructing a histogram the class intervals of a frequency distribution must be of the following type :
 (a) Equal
 (b) Unequal
 (c) Equal or Unequal
 (d) None of these
24. Mode of presentation data
 (a) Textual presentation
 (b) Tabulation
 (c) Oral presentation
 (d) (a) and (b)

25. 'Stub' of a table is the
- (a) Left part of the table describing the columns
 - (b) Right part of the table describing the columns
 - (c) Right part of the table describing the rows
 - (d) Left part of the table describing the rows
26. Divided bar chart is considered for
- (a) Comparing different components of a variable
 - (b) The relation of different components to the table
 - (c) (a) or (b)
 - (d) (a) and (b)
27. Data are said to be _____ if the investigator himself is responsible for the collection of the data.
- (a) Primary data
 - (b) Secondary data
 - (c) Mixed of primary and secondary data
 - (d) None of the above
28. A suitable graph for representing the portioning of total into sub parts in statistics is :
- (a) A Pie chart
 - (b) A pictograph
 - (c) An ogive
 - (d) Histogram
29. An ogive is a graphical representation of
- (a) Cumulative frequency distribution
 - (b) A frequency distribution
 - (c) Ungrouped data
 - (d) None of the above
30. Histogram is used for finding
- (a) Mode
 - (b) Mean
 - (c) First quartile
 - (d) None