

Std XI Science/Commerce 2010-11

Past Block Test Papers

STATISTICS

Question numbers 1 to 8 carry 1 mark each **[8]**

1. What is population inquiry ? Give example.
2. The questions in a questionnaire should be in logical order ? Exemplify.
3. The method of inquiry useful in recording the life of electric bulb is _____ .
(fill in the blanks)
4. Write the formula by which the number of classes are determined from raw data.
5. If one of the classes of an inclusive frequency distribution is 50 – 99 . Find the class length of the class.
6. Differentiate between grouped and ungrouped data.
7. Find the mid value of the third class.
10 – 19 20 – 29 30 – 39
8. Give two sources of getting secondary data from international publications.

Question numbers 9 to 12 carry 2 marks each **[12]**

9. Give 4 points of difference between primary and secondary data.
10. Prepare a layout showing the following attributes
Education : literates, illiterates
Sex : Male, female
Religion : Hindu , Muslim , Sikh, Christians
11. Write a short note on : Letter of request along with a questionnaire.
12. Prepare an original frequency distribution from the following cumulative frequency distribution.

More than	25	30	35	40	45	50	55	60	65
Cumulative frequency	100	96	87	70	45	25	14	6	1

Question number 13 to 15 carry 3 marks each . **[9]**

13. Explain the precautions to be taken while using secondary data
14. The average income earned by 40 hawkers in a city are given below. Prepare an exclusive frequency distribution for the data. It is given that the mid value of one of the class is 450 and the class length is 100.

313	236	253	770	753	772	491	387	339	276
269	247	242	480	313	360	537	487	622	799
360	281	278	260	276	363	358	880	844	691
460	402	303	293	304	243	350	700	833	507
15. The bivariate frequency distribution of the marks obtained by 50 students in Economics and Statistics is given below. Variable x and y denote denote the marks in Economics and Statistics.

		Marks in Statistics							
Marks	<table style="display: inline-table; border: none;"> <tr> <td style="border: none;">x</td> <td style="border: none;">y</td> </tr> </table>	x	y	40 - 49	50 - 59	60 - 69	70 - 79	80 - 89	Total
x	y								

In Econ mics	46 – 55	4					4
	56 – 65	2	4	4		2	12
	66 – 75	2		8	8	2	20
	76 – 85			2	6		8
	86 – 95				2	4	6
	Total	8	4	14	16	8	50

Using the above bivariate frequency distribution answer the following questions

1. Find the number of students whose marks in Economics and Statistics are less than or equal to 75 and 69 respectively.
2. Obtain the frequency distribution of marks in Economics
3. Find the percentage of students whose marks in Economics and Statistics are more than or equal to 85 and 79 respectively.

Question number 14 carries 5 marks.

[5]

14. Out of the total 1850 woman working in a factory 549 were from the labour area, and others were from the other area. Out of the total married women of labour area 250 had experience of service and the rest were inexperienced. The number of experienced and inexperienced women for other area 87 and 400 respectively. The total number of women with no experience was 1336 out of whom 136 were from labour area. Out of total women in the factory, 1020 were unmarried of whom the numbers experienced women from labour area were 163 and 14 respectively.

ECONOMICS

A. Question numbers 1 to 7 carry 1 mark each

[7]

1. State two characteristics of utility.
2. Economics is a _____ science. (Fill in the blanks)
3. Indifference curve on the upper side shows _____ satisfaction.
(more , less , equal) choose the correct answer.
4. At what point does the consumer attain equilibrium?
5. Give the formula of marginal utility.
6. State two exceptions of the law of marginal utility.
7. What does the point outside the budget line indicate?

B. Question numbers 8 to 13 carry 2 marks each

[12]

8. What is scarcity ?explain giving examples.
9. What is Arth according to Kautaliya ?
10. Differentiate between ordinal and cardinal utility.
11. Show a diagrammatic representation of a budget line.
12. Why is economics called an art ?
13. The following schedule shows the different combinations of two commodities which a consumer is ready to purchase

	a	b	c	d
Units of X	12	8	5	3
Units of Y	1	2	3	4

Find the rate of marginal substitution at point c.

C. Question numbers 14 and 15 carry 3 marks each

[6]

14. Explain giving examples why wants are unlimited.
15. Write a short note on 'Map of indifference curve'.

D Question number 16 carries 5 marks

[5]

16. Discuss fully the scarcity definition of Economics as presented by Robbins.

COMPUTER

1. The worksheet that receives your keystrokes is called _____.
a) Sheet1 b) Book1 c) Workbook d) Active sheet
2. =\$IW6000 is an example of _____ cell reference.
a) Relative b) Absolute c) Mixed d) Invalid
3. A name given to a range in the name box refers to which type of cell reference?
a) Relative b) Absolute c) Mixed d) Both (b) & (c)
4. Which of the following steps allow creating custom lists in Ms Excel?
a) Data→Custom List b) Data→Tools→Custom List
c) Tools→Options→Custom List d) Tools→Data→Custom List
5. Which of the following steps allow deleting the selected row or column?
a) Tools→Delete b) Data→Delete c) Format→Delete d) Edit→Delete
6. Which of the following is not a tab in Format→Cells?
a) General b) Alignment c) Font d) Border
7. What will be the output of the following: =AVERAGE(2,"hello",4,B10), where B10 has value 2 stored?
a) 2 b) 2.66667 c) Error d) 4
8. Which type of Error Alert does not allow invalid data entry?
a) Warning b) Stop c) Warning d) All of these
9. Which of the following criteria allows entering a formula for data validation?
a) Any value b) Date c) List d) Custom
10. Which of the following is used to give validation to number of characters in the cells?
a) Text length b) Size c) Length d) Len
11. Which button on the Data form is disabled till a new record is not entered?
a) Delete b) Restore c) Criteria d) Find Prev
12. Which of the following operator indicates 'not equal to' in Ms Excel?
a) != b) <> c) >< d) NOT()
13. What does the 'list range' in Advanced Filter indicate?
a) Location for filtered data b) Condition range
c) Unique records d) None of these
14. How is AND condition given using Advanced Filter on two or more fields?
a) Writing the conditions in multiple rows b) Writing the conditions in the same row
c) Using AND() function d) Cannot be done using Advanced Filter
15. Which of the following would be the correct output if the condition for 'Name' field would be '*K'?
a) KALP b) ARK c) KANAK d) Both (b) & (c)
16. Which sign is used to collapse the subtotal data displayed?
a) + b) - c) # d) Both (a) & (b)

17. Which option allows updating the pivot table/chart after editing data in the worksheet?
a) Add b) Update c) Refresh d) Reset
18. Which of the following allows creating a summary report in Ms Excel?
a) Data Forms b) Subtotal c) Auto Filter d) None of these
19. What type of data range is specified in creating a pivot chart?
a) Relative b) Absolute c) Mixed d) Both (b) & (c)
20. Which function is used to convert lowercase text to uppercase text in Ms Excel?
a) Lower() b) ToLower() c) Upper() d) ToUpper()
21. Defining the grading system on average marks of students in a data base can be easily done using which of the following?
a) If() b) Nested if() c) Countif() d) Nested countif()
22. Which of the following is/are unpaired element(s) in HTML?
a) <hr> b)
 c) d) All of these
23. Which of the following has 'color' as an attribute?
a) <hr> b) c) <body> d) Both (a) & (b)
24. The body can have an image as a background using which of the following attribute?
a) bgproperties b) URL c) bgcolor d) background
25. Which of the following gives the maximum font size?
a) <h1> b) <h3> c) <h6> d) <h4>
26. Which of the following is invalid value for paragraph alignment (<p align=?>)?
a) justify b) middle c) right d) None of these
27. Which of the following indicates a non-breaking space in HTML?
a) b)
 c) tab d) <nobr>
28. What is the default alignment of <h4>?
a) right b) middle c) none d) left
29. What is the default color of visited link?
a) blue b) red c) black d) purple
30. Which attribute is used to change the link color in <body>?
a) color b) link c) linkcolor d) Cannot be changed