

**Std XII Science/Commerce 2010-11**  
**Past Block Test Papers**

**STATISTICS**

**A. Question numbers 1 to 4 carry 1 mark each** **[4]**

1. In which of the following method changes obtained in the price is dependent on the units of measurement ?
  - a. absolute method
  - b. relative method
  - c. Fishers' method
  - d. chain base method
2. Which formula of Index number takes the quantity of current year into calculation ?
  - a. Larpeyers' formula
  - b. Paasches' formula
  - c. Fishers' formula
  - d. Karl Pearsons' formula
3. What are the number of sample points when 4 coins are tossed simultaneously ?
  - a. 4
  - b. 8
  - c. 16
  - d. 32
4. If  $U = \{ 1, 2, 3, 4, 5, 6, 7, \}$ ,  $A = \{ 1, 3 \}$  and  $B = \{ 2, 4, 6, \}$ , then which type of event are A & B ?
  - a. Exhaustive events
  - b. Complementary events
  - c. Mutually exclusive events
  - d. Primary events

**B. Question numbers 5 to 8 carry 1 mark each** **[4]**

5. What is implicit weight ?
6. Fishers' Index Number is called an ideal index number. Write two properties in support of this statement.
7. Arrange the following probabilities in increasing order of magnitude.  
 $P(A)$ ,  $P(A \cap B)$ ,  $P(A) + P(B)$ ,  $P(A \cup B)$
8. Write the complementary event of  $A \cup B$  and represent it in a Venn diagram.

**C. Question number 9 to 12 carry 2 marks each** **[8]**

9. The cost of living index number for the current year has risen form 100 to 125. If the monthly income of the workers has risen from Rs 3,000 to Rs. 5,100, examine whether his purchasing capacity has increased or not ?
10. For events A , M and F , if  $P(M) = P(F) = \frac{1}{2}$  and  $P(A/M) = \frac{1}{10}$  ,  
 $P(A/F) = 0.5$  , find  $P(A \cap M)$  and  $P(A \cap F)$  .
11. If  $I_F = 200$  and  $I_P = 160$  , find  $I_L$  .
12. For two events A and B of a sample space  $P(A) = 0.9$  and  $P(B) = 0.7$ , show that  
 $P(A \cap B) \geq 0.6$ .

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

13. There are 3 books of statistics and 4 books of mathematics on a book rack. Two books are selected at random , find the probability that
  1. Two books are of the same subject
  2. Two books are of the different subject.
  3. None of the two books is of Mathematics.
14. Tanushri wishes to choose one course from M.B.A and M.C.A. courses. According to her estimate the probability of getting a first class in M.B.A. is  $\frac{1}{2}$  and the probability of getting first class in M.C.A. is  $\frac{3}{5}$ . If she selects her course by tossing a balanced coin, what is the probability of her getting first class in M.C.A ?
15. Prices of 5 food items for the year 2003 and 2008 are given below. Obtain the general price index numbers of the items of 2008 taking 2003 as the base year.

Product	Price per kg ( in Rs. )	
	2003	2008
A	8	10
B	12	18
C	10	7
D	6	9
E	15	21

**E. Question number 16 carries 5 marks**

**[5]**

- 16.** In order to construct the cost of living number for workers for the year 2004, the details of expenditure in respect of the group ‘fuel ‘ are given below. Obtain the index number for fuel for the year 2004.

Item	Coal	Kerosene	Wood	Matches
Quantity ( 1998 )	75	10	40	2
Price ( in 1998 in Rs. )	6	8	2,5	2
Price ( 2004, in Rs. )	8	10	3.75	3

If the percentage increase in the expenditure in the groups namely, food , clothing , rent and miscellaneous for the year 2004 compared to the year 1998 are 40 , 20, 75 and 120 respectively and the percentage of the total expenditure on them are 55, 10 , 12, and 13 respectively, find the cost of living index number for the workers.

## ECONOMICS

**A. Question numbers 1 to 4 are multiple choice questions carrying 1 mark each. [4]**

1. What was the economic growth rate of India as estimated by Asian Development Outlook report ?  
a. 7.3%                      b. 7.4%                      c. 7.5%                      d. 7.6%
2. The range of Human Development Index is \_\_\_\_\_ .  
a. 0                              b. 1                              c. 0 – 1                      d. 0 – 100
3. What was the rank of India among the low income generating countries of the world in 2002 ?  
a. 37<sup>th</sup>                          b. 47<sup>th</sup>                          c. 25<sup>th</sup>                          d. 127<sup>th</sup>
4. The RBI was established in \_\_\_\_\_ .  
a. 1935                          b. 1949                          c. 1939                          d. 1945

**B. Question numbers 5 to 9 carry 1 mark each [5]**

5. Which subject helps in the analysis of data related to economics ?
6. What is meant by development ?
7. How is statistical data useful in daily life ?
8. Why did the British government adopt a very active policy for the development of railways ?
9. What is occupational structure ?

**C. Question numbers 10 to 14 carry 2 marks each. [10]**

10. Differentiate between economic growth and development.
11. India is a dual economy ?
12. Explain sustainable development
13. What are the qualitative changes occurring in the industrial sector after independence ?
14. During the planning period ,Human Development has increased rapidly.' Explain

**D. Question numbers 15 and 16 carry 3 marks each [6]**

15. What do you mean by comparative study ? Explain its types giving examples.
16. What is Physical Quality of Life Index ? What are the different points included in constructing the Physical Quality of Life Index ?

**E. Question number 17 carries 5 marks [5]**

Present the following information regarding the employment in 3 major sectors in China and India for the year 1999 with a bar diagram graph or a pie chart then analyse the same

Sectors	Employment (%)	
	China	India
Agriculture	50.0	60.5
Industry	22.0	26.8
Services	28.0	22.7

## ENGLISH

### I. Choose the correct option and rewrite the sentence:-

[2]

1. The Vietnamese student dropped Ruskin Bond like a hot brick because.....
  - a. Bond was an Indian.
  - b. Bond did not make a good friend.
  - c. He was interested only in improving his accent.
  - d. He did not like Praveen.
  
2. The hospital at Kalaghat was \_\_\_\_\_ of Laldwani village.
  - a. the closest one for the people
  - b. the last resort of the doomed
  - c. the best hospital for the people
  - d. surrounded by forests

### II. Read the following textual poem carefully and answer the questions given below it: [2]

Mother, it is no gain,  
Thy bondage of finery,  
if it keeps one shut off  
from the healthful dust of the earth  
if it robs one of the right of entrance to the great fair  
of common human life.

#### Questions:

1. What is the regret of the child?
2. Explain: 'the great fair of common human life'.

### III. Answer the following in 6-7 sentences each:

[6]

1. Describe the experience of Ruskin Bond riding a bicycle.
2. Describe Sher Singh's journey to the hospital.

### IV. Fill in the blanks with the appropriate form of words given in the brackets:-

[4]

1. We try to \_\_\_\_\_ our body with cosmetics. [beauty]
2. There is keen \_\_\_\_\_ in every trade. [compete]
3. The plane was making a steep \_\_\_\_\_. [descend]
4. The motorists are not allowed to \_\_\_\_\_ rules. [violate]
5. The teacher \_\_\_\_\_ the sum. [simplify]
6. The energy drink was \_\_\_\_\_. [nourish]
7. I am \_\_\_\_\_ about his honesty. [honest]
8. \_\_\_\_\_ can overcome mountains. [persevere]

### V. Transform as directed:-

[6]

1. What else do you think I am telling you? [Make Assertive]
2. I will not lose this one. [Change Voice]
3. It was my liver that was out of order. [Make Simple]
4. It was the most extraordinary case in medical history. [Change Degree]

5. Will you let me do the talking? [Begin with 'I wish']
6. We shall pardon her. [Add a question tag]

**VI. Identify the idioms in the sentences. Then select the correct meaning of the idiom from the choices given and rewrite the sentences using the meaning in place of the idiom:- [3]**

1. When they decided to start a new business overnight, they were walking on a razor's edge.  
[ to cut oneself, to take a big risk, to make a mistake]
2. He made up his mind to be a doctor. [ to commence, to display, to reject]
3. The peon was taken to task for his attitude. [was rebuked, was praised, was assigned more work]

**VII. As a librarian of M.S. High School, Valsad, write a notice for the library notice board, informing the students about the revised library rules. [4]**

**VIII. You are a 17-year-old girl/boy. You are fed up as this is the year when you have to appear for your Boards. Your parents are not letting you go to any parties at the moment because of your studies. Write a dairy entry. Do not exceed 100 words. [3]**

## COMPUTER

1. Which of the following is/are not the disadvantage(s) of using frames while creating web sites?
  - a) Printing content of all frames is difficult
  - b) Creating framed structure is difficult
  - c) Individual web pages cannot be bookmarked
  - d) All of these
2. What would be the output of the following code: `<frameset cols="20%, *, 20%">?`
  - a) Screen is divided into 3 equal parts
  - b) The middle pane takes 60% of screen
  - c) Screen is divided into 2 parts
  - d) No output is displayed
3. Which of the following is not an attribute of `<frame>` element?
  - a) target
  - b) bordercolor
  - c) name
  - d) src
4. Which of the following code will not allow the change in the size of individual frames by dragging?
  - a) `resize=0`
  - b) `resize=1`
  - c) `noresize`
  - d) Both (a) & (c)
5. What is the default unit of the `marginheight` attribute of `<frame>`?
  - a) points
  - b) pixels
  - c) percentage
  - d) twips
6. Which of the following are programs used to handle the data from forms?
  - a) PHP
  - b) HTML
  - c) HTTP
  - d) None of these
7. Which of the following indicates passive form of data submission using forms?
  - a) method
  - b) post
  - c) action
  - d) get
8. Which of the following is the attribute of `<textarea>`?
  - a) value
  - b) name
  - c) type
  - d) All of these
9. Which of the following attribute defines the number of items to be displayed in a drop down listbox?
  - a) multiple
  - b) length
  - c) rows
  - d) size
10. Which of the following are the valid values for type attribute of `<input>`?
  - a) file
  - b) text
  - c) reset
  - d) All of these
11. In JavaScript, compound statements are enclosed between \_\_\_\_\_.
  - a) { }
  - b) Begin .. End
  - c) ( )
  - d) [ ]
12. Multi – line comments are given by \_\_\_\_\_ in JavaScript.
  - a) `*/ */`
  - b) `*/ /*`
  - c) `/* */`
  - d) `/* /*`
13. Which of the following is used for concatenation of strings in JavaScript?
  - a) &
  - b) functions
  - c) ; (semi-colon)
  - d) None of these
14. What will be the output if the `parseFloat( )` cannot convert the first character to number?
  - a) Default
  - b) Number as string
  - c) NaN
  - d) No output displayed
15. Which method can be used to display message and request for reply in JavaScript?
  - a) alert
  - b) confirm
  - c) prompt
  - d) message box
16. Which of the following method indicates a one-way communication (message is sent but reply is not expected)?

- a) alert                      b) confirm                      c) prompt                      d) inputbox
17. Which of the following is not a valid event handler?  
a) onLoad                      b) onBlur                      c) onDbClick                      d) None of these
18. Which property would give the number of characters in the string while using JavaScript?  
a) size                      b) length                      c) len                      d) None of these
19. Variables are declared in JavaScript using which keyword?  
a) var                      b) dim                      c) int                      d) All of these
20. Pressing which button will clear all form entries?  
a) clear                      b) reset                      c) remove                      d) None of these
21. Which of the following is a built-in function in JavaScript?  
a) todayDate( )                      b) Now( )                      c) Add( )                      d) None of these
22. Which event handler is used to set a code when the element becomes active or is selected for input?  
a) onFocus                      b) onSelect                      c) onKeyPress                      d) All of these
23. For the code: frm.pass.value="xyz123"; what is 'pass'?  
a) Form name                      b) Value=pass                      c) Object name                      d) Event handler
24. What does the code: 'return true' mean in JavaScript function?  
a) Output is right                      b) Output is incorrect  
c) Refreshes the function                      d) Reloads the form
25. Which of the following gives the version of the browser you are using?  
a) appName                      b) appVer                      c) browserVer                      d) None of these
26. Which of the following function converts text to numeric value?  
a) write( )                      b) parseInt( )                      c) parseVal( )                      d) Val( )
27. Which of the following is a valid CSS property?  
a) color                      b) bgColor                      c) fgColor                      d) font-color
28. Which of the following property is used to set the alignment of a label?  
a) align                      b) text-align                      c) clear                      d) float
29. In the command 'document.bgColor=green', 'bgColor is \_\_\_\_\_.  
a) Method                      b) Property                      c) Object                      d) Event
30. Which of the following are valid values for 'clear' property in CSS?  
a) both                      b) none                      c) right                      d) All of these