



BK BIRLA CENTRE FOR EDUCATION
SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY | CO-ED DAY CUM BOYS' RESIDENTIAL
MID-TERM EXAMINATION 2023-24
COMPUTER SCIENCE



Class : VII
Date : 16-10-2023
Admission No.:

Duration : 2 Hrs
Max. Marks : 50
Roll No.:

MARKING SCHEME

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of 19 questions in two sections: Section A & Section B.
3. Section A has Objective type questions (MCQ, Fill in the blanks, Full form) whereas Section B contains Subjective type questions.
4. All questions of a particular section must be attempted in the correct order.
5. **SECTION A - OBJECTIVE TYPE QUESTIONS (20 MARKS):**
 - i. This section has 03 questions.
 - ii. Marks allotted are mentioned against each question/part.
 - iii. There is no negative marking.
 - iv. Do as per the instructions given.
6. **SECTION B – SUBJECTIVE TYPE QUESTIONS (30 MARKS):**
 - i. This section has 16 questions.
 - ii. A candidate has to do 12 questions.
 - iii. Do as per the instructions given.

SECTION A: OBJECTIVE TYPE QUESTIONS

I. Multiple Choice Questions:

(10 X 1 = 10)

- (1) (c) 1
- (2) (a) ABGH
- (3) (a) 2
- (4) (b) Form
- (5) (b) Filtering
- (6) (b) Quick Access Toolbar
- (7) (b) Area
- (8) (c) Compact
- (9) (b) Ctrl + P (c) Ctrl + A
- (10) (c) both (a) and (b)

II. Fill in the blanks :

(6 X 1 = 6)

- (1) Decimal
- (2) Eight

- (3) Database
- (4) Custom Filter
- (5) Chart/Graph
- (6) Understand

III. Write the name of the following tags used in HTML :

(4 X 1 = 4)

- (a)
 = Break Rule
- (b) <HR> = Horizontal Rule
- (c) = Bold tag
- (d) <P> = Paragraph tag

SECTION B: SUBJECTIVE TYPE QUESTIONS

IV. Short Answer questions : (Answer any six)

(6 X 2 = 12)

(1) What does a bit stand for ?

Ans. : A digit in binary number system is called a bit. Bit stands for binary digit 0 & 1.

(2) The teacher has given an assignment to Sanjay on Binary Addition. He forgot the method of addition.

Suggest him the method with the help of following example : $(111)_2 + (100)_2$

Ans. :

$$\begin{array}{r}
 111 \\
 + 100 \\
 \hline
 1011
 \end{array}$$

(3) What do you mean by sorting of data ?

Ans. : Sorting means to arrange data either in ascending order or descending order.

(4) Define Data Consolidation ?

Ans. : Consolidation helps in combining data from multiple worksheets into one worksheet or master worksheet.

(5) Write the steps to print a chart.

- Ans. : (i) Click on File
- (ii) Click on Print option
- (iii) Click Print button

(6) How do you create and delete a chart in Excel ?

Ans. : **Creating Charts :**

Method 1:

- (i) Select the cells
- (ii) Click the Insert tab

(iii) Select the chart type and subtype

Method 2:

- (i) Select the cells
- (ii) Press F11 key.

Deleting Chart :

- (i) Click anywhere on the chart
- (ii) Press delete key

(7) Define Tags and Attributes.

Ans. : **(a) Tags** : A tag is an HTML command that controls the structure and appearance of the page or document that is created.

(b) Attributes : Every tag has attributes or special properties.

(8) Explain the structure of an HTML document.

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Ans. : <HTML>
<HEAD>
<TITLE>.....</TITLE>
</HEAD>
<BODY>
.....
.....
</BODY>
</HTML>

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V. Long Answer questions : (Answer any six)

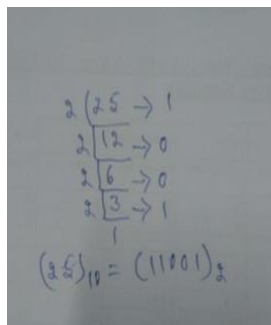
(6 X 3 = 18)

(1) State the use of number system.

Ans. : Number system is a set of values used to represent different quantities. In day to day life we use the decimal number system (0 to 9). The digital computer uses binary number system (0 & 1). Other number systems are octal and hexadecimal.

(2) Convert following decimal number (25)₁₀ into binary number.

Ans. :



Ans. = (11001)₂

(3) List any three advantages of database.

- Ans. : Easy retrieval of data
- Reduction of data redundancy
- Reduction of data inconsistency
- Easy sharing of data
- Easy manipulation of data
- High data security

(4) Define field and record.

Ans. : **Field** : Each type of data in a record is stored in its column. This is called a field.

Record : Excel stores the related entries in its row. This row is called record.

(5) Write any three advantages of chart.

Ans. : (i) Charts present data and information in an attractive manner.

(ii) Charts present data and information in a compact manner.

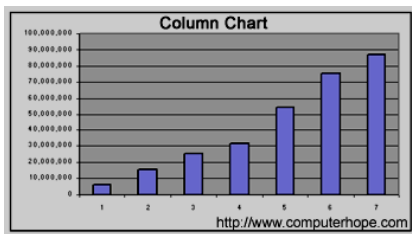
(iii) Charts are easier to compare and understand.

(iv) Charts have a long lasting effect on the mind than a simple data statement.

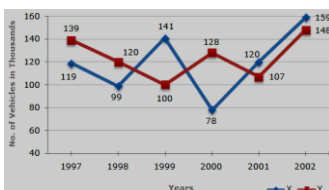
(6) Explain the following charts with diagram:

Ans. :

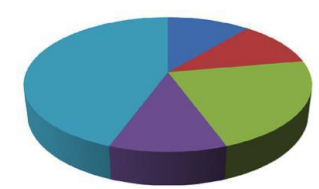
(a) Column Chart : A column chart shows the data changes over a period of time or illustrates comparisons among items.



(b) Line Chart : A line chart shows the different trends in data at equal intervals. It shows data in different styles of lines varying at equal intervals.



(c) Pie chart : A pie chart shows one data series in the form of the comparative size of things that make up the data series to the sum of the items.



(7) What is HTML ? Write any two features of HTML.

Ans. : HTML stands for Hyper Text Markup Language. HTML is a markup language which is used to create webpages.

Features of HTML :

- (i) HTML documents are simple text files.
- (ii) There is no need of compiling the file as in case of other programming languages.
- (iii) It is not a case sensitive language.
- (iv) HTML documents can be viewed on any type of computer platform.

(8) Riya created an HTML document and saved it as “Riya”. When she tried to open the file in a web browser, she could not view the web page. Suggest her the proper way to save an HTML document. Also suggest, how is an HTML document viewed in a web browser ?

Ans. : Riya.html OR Riya.htm

Method 1 :

- (i) Right Click on HTML file and open with google chrome option.

Method 2 :

- (i) Click File menu and then Open option.
- (ii) Select the HTML file and click Open button.
- (iii) Click OK button.

***** ALL THE BEST *****