BRAINWARE UNIVERSITY

Term End Examination 2024-2025
Programme – B.Sc.(MSJ)-Hons-2023/B.Sc.(MSJ)-Hons-2024
Course Name – Basics of Computer & New Media
Course Code - BMJ10001
(Semester I)

Full Marks : 60   **Time : 2:30 Hours**
[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A
(Multiple Choice Type Question)   1 x 15=15
1.   *Choose the correct alternative from the following :*

(i)   Identify the historical event that marked the birth of the Internet.
   a) The release of the first iPhone   b) The launch of Facebook
   c) The creation of the World Wide Web   d) The ARPANET project

(ii) Observe from the following the correct option: What role does social media play in digital democracy?
   a) Social media platforms promote censorship of political content
   b) Social media encourages political apathy
   c) Social media facilitates political activism and public participation
   d) Social media restricts access to political information

(iii) Identify the correct statement from the following options.
   a) Traditional media refers to media that is encoded in a machine-readable format.
   b) Digital media cannot be modified or preserved on digital electronics devices.
   c) Digital photos can be viewed on a computer or smartphone.
   d) Digital media only includes text form like e-books and blogs.

(iv) Identify the inventor of the World Wide Web from the following options.
   a) Tim Berners-Lee   b) Alan Turing
   c) Vint Cerf   d) Steve Jobs

(v)   Select a platform that offers MOOCs from the following options.
   a) NPTL   b) Facebook
   c) Times Now   d) Plateform X

(vi) Identify the component considered to be the brain of the computer.
   a) RAM   b) Hard Drive
   c) CPU   d) GPU

(vii) Determine which MS Office application is used primarily for creating presentations.
   a) Excel   b) Word
   c) PowerPoint   d) Access

(viii) Adjust the space between lines in a paragraph by modifying which setting?

    a) Line Spacing   b) Paragraph Spacing
    c) Margins   d) Indentation

(ix) The purpose of conditional formatting is to:

    a) Format cells automatically based on their values.   b) Manually format each cell.
    c) Create a new worksheet.   d) Validate cell input.

(x) The 'IF' function is used to:

    a) Perform logical tests and return values based on conditions.   b) Sum a range of cells.
    c) Concatenate text strings.   d) Calculate the average of a range.

(xi) The 'Lookup' function is designed to:

    a) Search for a value in a specified column and return a corresponding value from another column.   b) Count the number of cells in a range.
    c) Find the highest value in a range.   d) Calculate the average of a range.

(xii) The 'Subtotal' function in Excel is used to:

    a) Calculate subtotals and totals for a range of data   b) Remove duplicates from a dataset
    c) Create a summary of data   d) Find the maximum value in a range

(xiii) The 'Goal Seek' function is used to:

    a) Find the input value needed to achieve a specific goal   b) Sum a range of values
    c) Filter data based on criteria   d) Validate input data

(xiv) To format cells to display dates in a specific format, use:

    a) Conditional Formatting   b) Data Validation
    c) Number Format   d) Cell Styles

(xv) The 'Text-to-Columns' feature helps to:

    a) Split a single column of text into multiple columns based on delimiters   b) Merge multiple columns into a single column
    c) Apply text formatting to cells   d) Validate text data

Group-B
(Short Answer Type Questions)   3 x 5=15

2. Illustrate how do input and output devices contribute to the overall function of a computer system?   (3)
3. Explain the concept of digital democracy.   (3)
4. How does Virtual Reality improve user experiences in training and education?   (3)
5. Which sectors are benefiting the most from Virtual Reality technologies, and why?   (3)
6. Justify the concept of World Wide Web, and how has it evolved since its inception?   (3)

OR

Explain the concept of media convergence and give an example of how different types of media have converged in the digital age.   (3)

Group-C
(Long Answer Type Questions)   5 x 6=30

7. Explain the functions of "cut," "copy," and "paste" in Excel and determine how can the "Paste Special" feature be used to manipulate data?   (5)
8. Determine the purpose of the "Auto Fill" feature in Excel and provide an example of how it can be employed to save time when entering data.   (5)

9. Elaborate on how MOOCs can change the traditional university education system. (5)
10. Explain the concept of computer and its primary function in everyday life. Provide a simple example of a computer-based task. (5)
11. Show the step-by-step guide for creating a simple mathematical formula in Excel and explain the order of operations it follows. (5)
12. Determine the concept of digital democracy and explain how digital technologies facilitate people's participation in political processes and decision-making. Provide an example of digital democracy in practice. (5)

OR

Justify the concept of a digital society and explain the advantages and challenges associated with living in a digitally connected world. (5)

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