INSPIRED TOTS EARLY LEARNING CENTRE
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SECOND TERM EXAMINATION 2024/2025 SESSION

5TH GRADE NAME _____

COMPUTER STUDIES

1. What is an algorithm?
   A) A step-by-step procedure for solving a problem
   B) A type of programming language
   C) A hardware component
   D) A data structure
2. What is the primary purpose of a flowchart?
   A) To visually represent the steps in a process or algorithm
   B) To write code
   C) To store data
   D) To debug program
3. Which symbol represents a decision in a flowchart?
   A) Diamond
   B) Circle
   C) Rectangle
   D) Arrow
4. What is the first step in creating an algorithm?
   A) Define the problem to be solved
   B) Write the code
   C) Draw a flowchart
   D) Test the solution
5. In a flowchart, what does a rectangle symbolize?
   A) A process or action step
   B) A decision point
   C) The start or end of a process
   D) An input/output operation
6. What is the significance of flowcharting in programming?
   A) It helps visualize the logic and flow of an algorithm
   B) It increases coding speed
   C) It reduces the need for documentation
   D) It eliminates the need for debugging
7. Which of the following represents an input/output operation in a flowchart?
   A) Parallelogram
   B) Rectangle
   C) Diamond
   D) Circle
8. What does a "predefined function" in an algorithm do?
   A) Performs a specific task that is already defined in the programming language
   B) Creates a new variable
   C) Defines a new algorithm
   D) Stops the execution of code

LIVEWORKSHEETS

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9. Which symbol is used to represent the start and end points in a flowchart?
   A) Oval
   B) Rectangle
   C) Diamond
   D) Triangle
10. Which of the following is an essential property of a good algorithm?
   A) Finiteness
   B) Ambiguity
   C) Complexity
   D) Redundancy
11. Which of the following flowchart symbols indicates a connection to another part of the flowchart?
   A) Circle
   B) Rectangle
   C) Diamond
   D) Arrow
12. What does "flowcharting" help programmers to do?
   A) Store data more effectively
   B) Write code faster
   C) Debug programs more easily
   D) Organize their thoughts and clarify their algorithms visually
13. What does a "flowchart connector" symbolize?
   A) A process or action step
   B) A decision point
   C) An input/output operation
   D) A point of connection to another flowchart or process
14. What is the main advantage of using flowcharts in programming?
   A) They increase coding speed
   B) They eliminate the need for code
   C) They simplify debugging
   D) They provide a clear visual representation of complex processes
15. Which of the following is not a term of MS-Excel?
   A) Cells
   B) Rows
   C) Columns
   D) Document
16. How do you select an entire column?
   A) Select Edit > Select > Column from the menu
   B) Click the column heading letter
   C) Hold down the shift key as you click anywhere in the column
   D) Hold down the Ctrl key as you click anywhere in the column

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17. To create a formula, you first:
    A) Select the cell you want to place the formula into
    B) Type the equals sign (=) to tell Excel that you're about to enter a formula
    C) Enter the formula using any input values and the appropriate mathematical operators that make up your formula
    D) Choose the new command from the file menu
18. To center worksheet titles across a range of cells, you must
    A) Select the cells containing the title text plus the range over which the title text is to be centered
    B) Widen the columns
    C) Select the cells containing the title text plus the range over which the title text is to be enfettered
    D) Format the cells with the comma style
19. When a label is too long to fit within a worksheet cell, you typically must
    A) Shorten the label
    B) Increase the column width
    C) Decrease the column width
    D) Adjust the row height
20. An excel workbook is a collection of
    A) Workbooks
    B) Worksheets
    C) Charts
    D) Worksheets and charts
21. Each excel file is called a workbook because
    A) It can contain text and data
    B) It can be modified
    C) It can contain many sheets including worksheets and chart sheets
    D) You have to work hard to create it
22. The numbers in our worksheet look like this 1000: You want them to look like this: $1,000. How can you accomplish this?
    A) You have to retype everything and manually add the dollar signs commas and decimals
    B) Select Format > Money from the menu
    C) Click the Currency Style button on the formatting toolbar
    D) None of these
23. If you begin typing an entry into a cell and then realize that you don't want your entry placed into a cell, you:
    A) Press the Erase key
    B) Press Esc
    C) Press the Enter button
    D) Press the Edit Formula button
24. To save a workbook, you:
    A) Click the save button on the standard toolbar from the menu
    B) Press Ctrl+ F5
    C) Click Save on the Windows Start button
    D) Select Edit > Save

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25. You can edit a cell by
    A) Clicking the formula button
    B) Double clicking the cell to edit it in-place
    C) Selecting Edit > Edit Cell from the menu
    D) None of above
26. Right clicking something in Excel:
    A) Deletes the object
    B) Nothing the right mouse button is there for left-handed people
    C) Opens a shortcut menu listing everything you can do to the object
    D) Selects the object
27. Which of the following is an absolute cell reference?
    A)! A!1
    B) A1
    C) #a#1
    D) A1
28. Which symbol must all formula begin with?
    A) =
    B) +
    C (
    D. @
29. Which of the following formulas will Excel not be able to calculate?
    A) =SUM(Sales)-A3
    B) =SUM (A1:A5) *.5
    C) =SUM (A1:A5)/ (10-10)
    D) =SUM (A1:A5)-10
30. A typical worksheet has _____ number of columns.
    A) 128
    B) 256
    C) 1024
    D) 16384
31. A worksheet can have a maximum of _____ number of rows.
    A) 256
    B) 1024
    C) 65535
    D) 1048576

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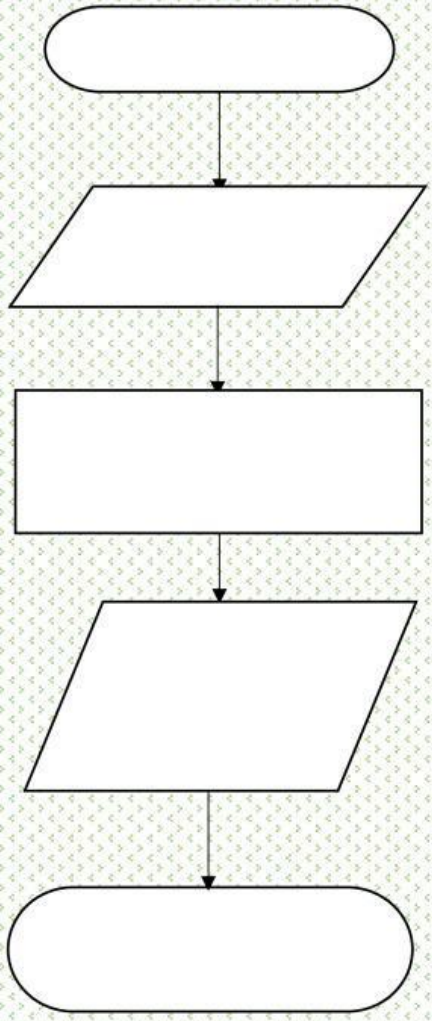
Section B

Write an algorithm to find the circumference of a circle. Use the algorithm and complete the flowchart below. Use the formula: $C=2\pi r$, where π is approximately equivalent 3.1416.

Algorithm:

1. _____
2. _____
3. _____
4. _____
5. _____

Flowchart:



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