

**UMMUL QURA HIGH SCHOOL**  
**AROWONA BUS-STOP, AMULOKO-AKANRAN ROAD, IBADAN.**  
**2020/2021 SECOND TERM EXAMINATION**

SUBJECT: ICT

DURATION : 2hrs : 45mins

CLASS: SS1

INSTRUCTION: Attempt section A and B

**SECTION A: OBJECTIVES**

1. A program that *executes* other programs directly, running through program code and executing it *line by line* is known as \_\_\_\_
  - (a) Composer
  - (b) Assembler
  - (c) Compiler
  - (d) Interpreter
2. *One* of the following is not an *example* of system software
  - (a) Operating system
  - (b) Internet explorer
  - (c) Translator
  - (d) Utility programs
3. Which of the following is *not* an example of utility program
  - (a) Anti-virus
  - (b) Disc defragmenter
  - (c) Microsoft excel
  - (d) Editor
4. Packages for specialized areas do *not* include \_\_\_\_
  - (a) Statistical package
  - (b) Accounting software
  - (c) Microsoft windows
  - (d) Payroll system
5. Which of the following is *not* an example of educational management software?
  - (a) Autocad
  - (b) Britannica
  - (c) Encarta
  - (d) Google earth
6. Computer programs that let people *create and manipulate* data in a database is known as \_\_\_\_
  - (a) Presentation packages
  - (b) Graphic packages
  - (c) Spreadsheet packages
  - (d) Database management applications
7. A *word processor* feature that allows that text to appear at the *bottom* of *each page* of a document is \_\_\_\_
  - (a) Autocorrect
  - (b) Header
  - (c) Footer
  - (d) Wordwrap
8. \_\_\_\_ programming language allows programmer to create program in *English-like structure*
  - (a) Low language
  - (b) High language
  - (c) Machine language
  - (d) High level language
9. \_\_\_\_ is an *object-relational* database management system
  - (a) Java
  - (b) C++
  - (c) Oracle
  - (d) BASIC
10. A \_\_\_\_ is a computer that reliably manages a large amount of data in a multer (*many users*) environment so that many users can concurrently access the same data

- (a) Manager
  - (b) Program
  - (c) Server
  - (d) Monitor
11. Which of the following programming language is a **graphical** programming language?
- (a) COBOL
  - (b) C
  - (c) LOGO
  - (d) BASIC
12. The following are programming languages **Except** \_\_\_\_\_
- (a) ADA
  - (b) C++
  - (c) C
  - (d) C+
13. **BASIC** is an acronym for Beginners All Purpose \_\_\_\_\_ instruction code
- (a) Symbols
  - (b) Symbolic
  - (c) Symbiosis
  - (d) Symbolize
14. The **BASIC** notation of  $3^2 + 4/2b$  is \_\_\_\_\_
- (a)  $3^3 + 4/2b$
  - (b)  $3^2 + 4/2*B$
  - (c)  $3^3 + 4/2*B$
  - (d)  $3^2 + 4/2B$
15. Versions of **BASIC** programming include \_\_\_\_\_
- (a) QBASIC
  - (b) QWBasic
  - (c) A and b
  - (d) None of the mentioned
16. \_\_\_\_\_ is a definition or keyword that assigns a value or a number to a variable
- (a) READ statement
  - (b) LET statement
  - (c) DATA statement
  - (d) DEFINITION statement
17. Which of the following **BASIC** statement prompts the user for data?
- (a) PRINT statement
  - (b) END statement
  - (c) LET statement
  - (d) INPUT statement
18. The following options are examples of peripheral device **Except**
- (a) Scanner
  - (b) Mouse
  - (c) Memory card reader
  - (d) Control unit
19. Examples of application program include the following **Except**
- (a) Adobe reader
  - (b) Microsoft power-point
  - (c) Microsoft access
  - (d) Microsoft windows
20. The following options may likely be seen is a good definition of computer **Except**
- (a) Data
  - (b) Information
  - (c) Correction
  - (d) Process
21. Programming language can be classified as \_\_\_\_\_
- (a) Small language and big language
  - (b) High level language and low level language
  - (c) Machine language and computer language
  - (d) None of the mentioned
22. **Programs** written in high level language that are translate into assembly language or machine language are called \_\_\_\_\_
- (a) Compiler

- (b) Translator
  - (c) Interpreter
  - (d) Assembler
23. Advantages of high level language are the following *Except* that \_\_\_\_\_
- (a) They provide more language
  - (b) They are to write, modify and debug
  - (c) Standardized
  - (d) They are easy to understand
24. An interrupted language is processed at runtime
- (a) True
  - (b) False
  - (c) All of the mentioned
  - (d) None of the mentioned
25. **BASIC** has \_\_\_\_\_ character sets
- (a) 5
  - (b) 6
  - (c) 3
  - (d) 2
26. “+ - / > < etc are the *examples* of \_\_\_\_\_ *characters*
- (a) People’s
  - (b) Numeric
  - (c) Alphabetic
  - (d) Special
27. \_\_\_\_\_ is a quantity that *cannot* be changed during execution of a program
- (a) Character
  - (b) Pie
  - (c) Constant
  - (d) Formation
28. A variable is a *name* that represents \_\_\_\_\_
- (a) Bible or Quran
  - (b) Alphabet or numeric
  - (c) String or stress
  - (d) Constant or string
29. The following are the types of operators in BASIC programming language *Except*
- (a) Arithmetic operator
  - (b) Relational operator
  - (c) Numerical operator
  - (d) Logical operator
30. The \_\_\_\_\_ is the statement used last in **BASIC** programming
- (a) PRINT
  - (b) FULL STOP
  - (c) LET
  - (d) END
31. \_\_\_\_\_ is used to run programs in **BASIC** programming
- (a) F1
  - (b) F2
  - (c) F3
  - (d) F5
32. The **CLS** command is used for \_\_\_\_\_
- (a) Clearing the screen
  - (b) Cleaning the screen
  - (c) Printing the screen
  - (d) None of the mentioned
33. **REM** in BASIC programming *stands* for \_\_\_\_\_
- (a) Rename
  - (b) Remove
  - (c) Remark
  - (d) Close
34. Software is also *referred* to as \_\_\_\_\_
- (a) Computer system
  - (b) Computer programs
  - (c) Computer network
  - (d) Computer activities
35. Computer software can be categorized into \_\_\_\_\_ *main* categories

- (a) 5  
(b) 3  
(c) 2  
(d) 6
36. Which of the following is **not** a type of operating system  
(a) Single-user O/S  
(b) Multi-user O/S  
(c) Network O/S  
(d) Corel draw O/S
37. Without \_\_\_\_\_ computer hardware is **useless**  
(a) Application software  
(b) Operating system  
(c) Peripheral device  
(d) Computer program
38. \_\_\_\_\_ enable the user to **create** and **edit** document  
(a) BASIC  
(b) Word processor  
(c) Corel draw  
(d) None of the mentioned
39. \_\_\_\_\_ is used to carry out jobs like **painting, drawing, pictures** etc.  
(a) Graphic software  
(b) Microsoft word  
(c) Microsoft access  
(d) Database management
40. \_\_\_\_\_ is a software form in which the **original service code** is openly available for users to modify and use or to create computer programs  
(a) Software version  
(b) Software update  
(c) Open source software  
(d) Software suite
41. \_\_\_\_\_ is a **stand alone** binary executable in programming language  
(a) High level language  
(b) Low level language  
(c) Machine language  
(d) None of the mentioned
42. Using hierarchy of operation, what is the result of this:  $A - B * C^2$  where  $A = 15, B = 3, C = 2$   
(a) 6  
(b) 3  
(c) 5  
(d) 4
43. Express this mathematical notation in **BASIC** notation:  $2^2 * 5/20$   
(a)  $2^2 * 5/20$   
(b)  $2 + 2 * 5/20$   
(c)  $22 * 5/2 * 0$   
(d)  $2^2 * 5/2$
44. \_\_\_\_\_ operators help to **test** for **comparison** between two or more statement and generate logical results as true or false (1 or 0)  
(a) Arithmetic operator  
(b) Relational operator  
(c) Logical operator  
(d) String operator
45. Convert this to BASIC notation:  $ac^2 + 2y/4b$   
(a)  $A * C^2 + 2 * Y/4 * B$   
(b)  $A * C^2 + 2 * Y/4B$   
(c)  $A * C^2 + 2 * y/4^B$   
(d)  $A * C^2 + 2Y/4B$
46. The process of **joining** two or more character **strings** into a single character **string** is called \_\_\_\_\_  
(a) Formation  
(b) Combination  
(c) Concatenation  
(d) Configure
47. **Debugging** means what in programming language  
(a) Correct  
(b) Confirm

- (c) Accept  
(d) All of the mentioned
48. Which of the following is an **example** of string constant  
(a) “top”  
(b) “76.88”  
(c) “good”  
(d) All of the mentioned
49. \_\_\_\_\_ generate a **logical result** from comparison of two logical expressions  
(a) Arithmetic  
(b) Relational  
(c) Logical  
(d) String
50. Which of the following is **not** a logical operator  
(a) AND  
(b) OR  
(c) NOT  
(d) None of the mentioned

## SECTION B: THEORY PART

INSTRUCTION: ANSWER ANY **FOUR** QUESTIONS

- 1a. Define Application Software?
- 1b. List and explain the **two** main categories of application software
- 1c. State any **three** advantages and disadvantages of general purpose software
- 2a. What is **programming** language?
- 2b. Briefly explain the **three** levels of programming language
- 2c. Using BASIC **hierarchy of operation**, find the value of **Y** in this following equation:

$$Y = 2x^2 + 4a - c ,$$

Where  $x = 3$ ,  $a = 4$ ,  $c = 6$

- 3a. State **three** merits and demerits of BASIC programming
- 3b. State any **five** rules for naming variable
- 3c. Write a **BASIC** program to compute volume of a cylinder (Hint: Volume=  $\pi r^2 h$ )
- 4a. Define the following terms:
- (i) Variable
  - (ii) Constant
  - (iii) Operator
- 4b. Convert the following arithmetic expression to **BASIC equivalent**:

$$(i) \quad \frac{a^2 + b^2}{c^3 - d^3}$$

$$(ii) \quad -b + \sqrt{\frac{b^2 - 4ac}{2a}}$$

4c. Write a **BASIC** program to compute the average score of five students.

5a. *Differentiate* between *high* level language and *low* level language.

5b. State *seven* examples of programming language

5c. Write this arithmetic expression in **BASIC** notations and solve it.

$$3^2 \times \left\{ \frac{4^7}{5} \right\} + 4$$

6a. Write *short note* on BASIC.

6b. List *five* types of BASIC

6c. *Analysis* the following BASIC program *line by line*:

```

10 LET K = 2
20 LET L = 9
30 LET SUM = 0
40 FOR J = K TO STEP 2
50 SUM = SUM + J^2
60 PRINT "ANSWER =", SUM
70 NEXT J
80 END

```