



G.C.E. (O.L) Practice Test - 2019  
Department of Education – North Western Province

(80) Information and Communication Technology I

One hour  
Grade 11

\*Important

- i. Answer all questions
- ii. Underline the accurate or most suitable answer for the questions from 1 to 40.

Name/ Index Number .....

- 1). Select the expression/ expressions, mentioned about a correct usage of ICT in the field of education at present.
  - A). Conducting the General Information Technology examination online.
  - B). Introducing students, a smart textbook for grade 11 science
  - C). Offering tablet computers free of charge for AL students.
  - D). Introducing National Education Management Information System for Education sector.

1) A and B Only      2) C only      3) A, B and C only      4) A,B, C, D all
- 2). Select the false expression regarding the evolution of the computer.
  - 1) Punch Cards were used to input data, store, and output, in first generation.
  - 2) Operating systems having Graphical User Interfaces were used in second generation.
  - 3) Keyboard and Mouse were used to input data in third generation.
  - 4) Microprocessor was used as the main hardware technology in fourth generation.
- 3). Which expressions from followings are **true** regarding the computer memory.
  - A. The Cache memory in the processor holds frequently using data by the processor.
  - B. BIOS reads the Master Boot Record (MBR) at the start up.
  - C. The data in ROM get deleted when the computer power is disconnected.

1) A and B Only      2) A and C only      3) B and C only      4) A,B and C all
- 4). Select the answer that contains the letters respectively, when match the components in the column 'A' with the functions in column 'B'.

	A		B
1	Hard Disk	P	Input Devices
2	OMR	Q	Magnetic Technology
3	RAM	R	To sort a set of numbers
4	ALU	S	Main Memory

- 1) PQRS      2) QPSR      3) RQPS      4) SRQP

5). Select the Binary number, which is equivalent to  $B0_{16}$ .

- 1)  $10010000_2$                       2)  $10111000_2$                       3)  $10110000_2$                       4)  $11000000_2$

6). Select the answer that contain the numbers;  $1011_2$ ,  $11_8$ ,  $AB_{16}$ , 70 in descending order.

- 1)  $AB_{16}$ , 70,  $1011_2$ ,  $11_8$                       3) 70,  $AB_{16}$ ,  $1011_2$ ,  $11_8$   
2)  $1011_2$ ,  $AB_{16}$ , 70,  $11_8$                       4)  $11_8$ ,  $1011_2$ ,  $AB_{16}$ , 70

7). Consider following expressions.

- A. Four bits are used to represent a single digit in BCD.  
B. 256 is the maximum number of characters representable in ASCII.  
C. 256 is the maximum number of characters representable in EBCDIC.  
D. Unicode is used in websites and online newspapers.

What can be considered as correct expressions?

- 1) A Only                      2) A and B Only                      3) A,C and D Only                      4) All of above

8). The capacity of a memory card is 1GB. Select the answer that contains this capacity represented in Bits.

- 1)  $4 \times 2^{32}$                       2)  $2 \times 2^{32}$                       3)  $2 \times 2^{33}$                       4)  $4 \times 2^{33}$

9). What is the decimal value represented in BCD 01101001?

- 1) 49                      2) 58                      3) 69                      4) 105

10). Select the **correct** answer regarding a Hub.

- 1) Hub creates an unnecessary traffic in data transmission.  
2) Hub directs data only to the relevant computer in a network.  
3) Hub and Switch work similarly in data transmission.  
4) Hub transmits data in full duplex mode.

11). Consider following expressions given regarding an Operating System.

- A) It provides an interface between Hardware and Software.  
B) The same privileges are available for all user accounts.  
C) Linux is an example for multi-user Operating System.

Which can be considered as true from above expressions?

- 1) A Only.                      2) B and C Only                      3) A and C Only                      4) A, B and C Only

12). What is the facility available in Word processing software to prepare a same letter to send different receivers' addresses?

- 1). Merge cells.                      3). Thesaurus.  
2). Mail merge.                      4). Merge and Center.

13). Solve the following equation involving the operators used in spreadsheet software.

$$= (2^3 - 4) * 5 / 4^1$$

- 1) 30                      2) 20                      3) 10                      4) 5



- 20). Study following expressions given about a Database Management System.
- A. A picture can be inserted into a data table.
  - B. Only two tables are used to create a Query.
  - C. A form is used to insert data into a table.
- Select the correct expression/ expression from these.
- 1) A only      2) A and B only      3) C only      4) A and C only
- 21). In a data table that contains information of students in a school, the set of data related to a student is called a.....
- What is the most suitable term to fill the blank in above sentence?
- 1) Record      2) Field      3) Form      4) Query
- 22). It is suggested to implement a new automated information system in a school. As principal's view, it is not much secure to stop the existing manual information system and launch the new system. Which of the following system deployment methods are suitable for principal's need ?
- 1) Direct deployment or Phased deployment
  - 2) Parallel deployment or Phased deployment
  - 3) Direct deployment or Pilot deployment
  - 4) Parallel deployment or Direct deployment
- 23). Select the facts that have mentioned the special features of the stage of identifying requirements in System Development Life Cycle.
- A – The system analyst is involved.
  - B – Only one method is used to identify the requirements.
  - C – A broad analysis is produced in written form about the system.
- 1) A only      2) A and C only.      3) B only      4) A, B and C all
- 24). What is the correct statement from the followings?
- 1) IP address is not essential to connect a computer to a network.
  - 2) Top level domain name always gives an identity to a web site.
  - 3) URL provides a unique access for all resources in WWW.
  - 4) The owner of internet is the Internet Society.
- 25). "Search engines have made internet based tasks easier.", Which of the followings are correct regarding search engines?
- 1) Search engine is software installing in users' computer.
  - 2) A search engine is used to access web sites using the URL.
  - 3) The keywords are mentioned in the address bar of a search engine.
  - 4) A search engine is a type of web site used to find more web sites.
- 26). The resolution which determines the quality of a digital graphic, is measured by the unit of,
- 1) dots per pixel (dpp).
  - 2) pixels per graphic (ppg).
  - 3) bits per pixel (bpp).
  - 4) pixels per inch (ppi).

27). Followings are some statements about Vector graphics

- A- They require less memory space than Raster graphics.
- B- The quality does not affect when changing the scale.
- C- Suitable for creating large scale graphics.

Which statement/ statements is true ?

- 1) A only                      2) A and B only                      3) B and C only                      4) A,B and C all

28). Select the correct HTML tags that indicate the start, item and the title of a definition list respectively

- 1) <dt>, <dl>, <li>      2) <dl>, <dd>, <dt>      3) <ul>, <dl>, <dt>      4) <dd>, <dt>, <dl>

29). Consider following file structure.

The image 'trees.jpg' should be inserted to 'home.html' and the image is located in 'Folder B'. What is the HTML code suitable for this purpose?

- 1) <img src= "trees.jpg" alt= "Trees" width= "300px">
- 2) <img src= "folder A/trees.jpg" alt= "Trees" width= "300px">
- 3) <img src= "trees.jpg/folder B" alt= "Trees" width= "300px">
- 4) <img src= "folder B/trees.jpg" alt= "Trees" width= "300px">



30). Select the answer that contains the HTML tag to add a background colour to a web page.

- 1) <body color= "yellow"></body>
- 2) <body bgcolor= "yellow">
- 3) <background color= "yellow"></background>
- 4) </body> <body background-color= "yellow"></body>

31). What is the output of the following Pascal code ?

```
Program command(output);
var x , count: integer;
Begin
  For x:= 0 to 2 do
    Write('#');
  For x:= 1 to 3 do
    Writeln('#') ;
  Readln;
End.
```

- 1) # # #
- 2) # # # #
- 3) # # #
- 4) # # # #

32). What is the answer that contains the correct variable names of a Pascal programme ?

- 1) Std\_no , stdno
- 2) A15 , 10B
- 3) 10A , std-no
- 4) std no , A10

33). Consider following pseudo code prepared to obtain the total of ten numbers. The pseudocode contains a label called 'A'.

```
Begin
  total = 0
  count = 1
  Repeat
    Input number
    total = total + number
    count = count + 1
    .....A .....
  Display total
End.
```

What is the suitable expression for the label 'A'?

- 1) until count=11      2) until count = 10      3) while count = 11      4) while count = 10

34). Consider the following expressions about Pascal programming language.

- A) Interpreter translates a program by reading line by line and the program needs to be converted into machine code always when it executes.
- B) Compiler translates whole program at once and the translated program can be executed any number of times.
- C) Assembly language is used to translate a program written in Assembly language to machine language.

Which can be considered as true?

- 1) A only      2) B only      3) A and B only      4) A, B and C all

35). Select the answer that includes the values assigned for 'A' and 'B' variables, when executing following pascal codes.

A:= 9 MOD 10;    B:=10 DIV 1;

- 1) 10 , 10      2) 9 , 1      3) 9 , 10      4) 1 , 1

36). What is the output of following pascal code?

```
Program print_hello (input , output);
  Var count : integer;
  Begin
    For count:= 0 to 5 do
      Write('Hello');
    Readln;
  End.
```

- 1) Hello Hello Hello Hello Hello Hello
- 2) Hello Hello Hello Hello Hello
- 3) HelloHelloHelloHelloHelloHello
- 4) HelloHelloHelloHelloHello

37). Select the output of following pseudocode.

```

Begin
  X = 2
  For Y = 10 to 2 step -2
    X = X + Y
    Display X
  Next Y
End.

```

1) 12 , 20 , 26 , 30 , 32  
 2) 10 , 8 , 6 , 4 , 2  
 3) 12 , 14 , 16 , 18 , 20  
 4) 12 , 22 , 32 , 42 , 52

38). How many times the following pseudocode returns '\*' as the output?

```

X = 0
Repeat
  Display "*"
  X = X + 2
Until X > 5
While X < 10
  Display "*"
  X = X + 2
End while
End.

```

1) 2  
 2) 4  
 3) 5  
 4) 6

39). Followings are some problems occurring when using computer and the solutions for those problems.

Problem	Solution
A- To protect computer system and documents from unexpected power failure.	P- Firewall
B- To protect the computer from unauthorized access.	Q- UPS
C- To control the voltage of power supply for the computer devices.	R- Backups
D- To protect necessary data and information stored in a computer system from an unexpected break down.	S- Surge protectors

The answer that contains the most suitable solutions for A, B, C, D problems respectively is,

- 1) PQRS                      2) QPRS                      3) QPSR                      4) SPQR

40) Which will not influence for de-skilling occurred due to the development in ICT.

- 1) Machines in industries have replaced the human labour and skills.
- 2) Closing down libraries and losing associated jobs due to electronic books and magazines.
- 3) The possibility of monitoring health from home has reduced job opportunities in laboratories.
- 4) Widening opportunities for maintaining social relationships, due to the popularity of social media.