



# Holiday Assignments

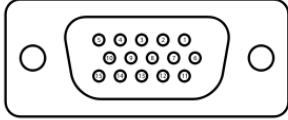
## English Senior Section

ICT

Grade 11

English

### Part - 1





- Consider the following conversion regarding data  
Data  $\rightarrow$  Process  $\rightarrow$  A  
Which of the following is suitable to represent "A"?
  - Information
  - Qualitative data
  - Quantitative data
  - Numerical Data
- Which of the following is an example of using ICT in school administration?
  - Use of computers as a learning aid
  - Downloading a picture from internet
  - Maintaining student registration system
  - Connecting to learning management systems
- Data in a ..... is read using laser technology.  
Which of the following is suitable to fill the above blank?
  - Floppy Disk
  - Hard Disk
  - Magnetic Tape
  - Compact Disc
- Which of the following is **not** a potential benefit of a computer network which is connected to the internet?
  - Backing up files to a file server in another network connected to the Internet
  - Reduced risk of viruses and malware
  - Sharing resources in the network
  - Use of the web
- Which of the following data is stored in a cache memory?
  - Permanent storing of frequently not used data
  - Temporary storing of frequently not used data
  - Permanent storing of frequently used data
  - Temporary storing of frequently used data
- Tharindu needed a storage device to carry some information and pictures of 600MB. Which of the following has the minimum required capacity?
  - Hard Disk
  - Digital Versatile Disk
  - Compact Disc
  - Blue Ray Disc
- Which of the following device can be connected to the port in the picture given below?
  - Printer
  - Multimedia
  - Mouse
  - Ethernet
- A student inserted a picture to his word processing document through .....(A)..... or .....(B).....  
Which of the following is more suitable to replace "A" and "B"?
  - MICR, Web Camera
  - OMR, Barcode Reader
  - Scanner, Digital Camera
  - Barcode Reader, Digital Camera
- Which of the following has the lowest value?
  - $00100101_2$
  - $01001101_2$
  - $01010111_2$
  - $01110011_2$
- The decimal equivalent of the number  $10111_2$  is .....
  - 10
  - 17
  - 23
  - 21

11.  $AB_{16}$  is equal to.....  
 A -  $10101001_2$                       B -  $10101011_2$                       C -  $253_8$                       D -  $161_{10}$   
 i. B only                                      iii. A and C only  
 ii. B and C only                              iv. B,C and D only
12. If letter "O" is represent with  $1001111_2$ . Which of the following letter is represented with  $1001101_2$  in ASCII?  
 i. M                                      ii. L                                      iii. P                                      iv. Q
13. Consider  $527_x$  (X represent the base of the number).Which of the following letter is represents  $327_x$ ?  
 i. Octal number system only                      iii. Decimal number system only  
 ii. Hexa Decimal number system only                      iv. Octal, Decimal or Hexa Decimal number systems.
14. How is the clock rate of a CPU of a modern Personal Computer (PC) is usually expressed in  
 i.  $A + B$                                       ii.  $A.B$                                       iii.  $\overline{A + B}$                                       iv.  $\overline{A} + \overline{B}$
- The diagram shows two inputs, A and B, entering an AND gate. The output of the AND gate is connected to the input of a NOT gate. The final output is the complement of the AND result,  $\overline{A \cdot B}$ .
15. Which of the following statements is true about variable in programming?  
 i. A variable name cannot have a digit                      iii. A variable can have few data types  
 ii. The value of a variable is not changed                      iv. Variables are used to store data temporally in a memory
16. Graphical representation of the computer program is  
 i. Algorithm                                      ii. Flow chart                                      iii. Pseudo code                                      iv. Form design
17. Not a valid identifier  
 i. \$Name                                      ii. Name                                      iii. Total\_No                                      iv. NAME
18. Which of the following statement is false regarding operators of programming languages?  
 i. One operator functions on two variables  
 ii. A statement can have only one operation  
 iii. Two statements are compared by comparison operator  
 iv. Statements with only mathematical operators produce numerical outputs.
19. 

Begin
M=1
N=1
Repeat
M=M+N
Display N
Until M>2
End

 Which of the following is the output of the pseudo code?  
 i. 1                                      iii. 1 , 1  
 ii. 3                                      iv. 2, 3
20. Which of the following statement / (S) is / are correct regarding the system software?  
 A- Linux and Mac OS are system software  
 B- It helps memory management  
 C- They provide opportunity for application software to collaboratively work with hardware.  
 i. A and B                                      ii. A and C                                      iii. B and C                                      iv. All A,B and C
21. Which of the following statement is **false** with regards to systems?  
 i. There may be sub systems within a systems  
 ii. A system may not always have a systems within a systems  
 iii. A closed system would not have contact with external bodies of the system boundary.  
 iv. A collection of inter connected components based on one or more objectives is called a system.
22. A key function of Operating Systems (OS) software is?  
 i. Checking the spelling in a presentation                      iii. Managing hardware resources in the computer system.  
 ii. Counting words in a document                      iv. Sending and receiving e-mail.
23. Output for  $25 - 21 \text{ MOD } 3$   
 i. 10                                      ii. 25                                      iii. 13                                      iv. 11

24. Which of the following accurately matches icon in A with its function in B?

	A	B
i.		Creates a new document
ii.		Apply all format changes to another section of text
iii.		To undo change
iv.		To underline a text

25. Consider the following pseudo code segment:

```

OddTotal = 0
Count = 0
Current Odd = 1
While count<=3
    OddTotal = OddTotal + CurrentOdd
    CurrentOdd = CurrentOdd + 2
    Count = Count + 1
End While
Print OddTotal
    
```

What is the output of the following pseudo code segment?

- i. 9                      ii. 16                      iii. 25                      iv. 36

26. Consider the “while” loop and the “repeat until” loops given below:

```

count_A = 1                      count_B = 1
while count_A <= 10            repeat
    count_A = count_A + 2            count_B = count_B + 2
end while                      until count_B <= 10
    
```

What are the values of *count\_A* and *count\_B* after completion of the execution of while and repeat until loops respectively?

- i. 9 and 9                      ii. 9 and 11                      iii. 11 and 9                      iv. 11 and 11

27. Which of the following is not a benefit for a student out of online school library systems?

- i. Ability to get membership online
- ii. Ability to read e-book for membership
- iii. Ability to browse and make reservations on books online
- iv. Ability to lend and receive books using barcode systems.

Questions 28 and 29 are based on the above spread sheet segment.

28. Which of the following is the answer if = \$A3+B2 in cell C4 is copied to C5?

- i. 9                      ii. 8                      iii. 7                      iv. 16

29. Which of the following is the answer if = \$A3+B2 in cell C4 is copied to C5?

- i. 9                      ii. 8                      iii. 7                      iv. 10

	A	B	C
1	4	3	
2	5	2	
3	7		
4	8		9
5	9		
6			

30. Consider the following statements on database.

- i. Data Redundancy - is the repetition of same data in many tables.
- ii. Relational Database – Linking of large amount of data
- iii. Data encryption – change of data into a format that an unauthorized person cannot read.

Which of the above statements is / are true?

- i. A only                      ii. A and B only                      iii. A and C only                      iv. All A,B,C

31. Consider the following statements on computer languages

- A – Machine language codes depend on machine
- B – Mnemonics were used in Assembly language
- C – Pascal is a high level language

Which of the above statements is / are true?

- i. A only                      ii. A and C only                      iii. B and C only                      iv. All of above

	Necessity	Variable name	Data type
A	To calculate average of 8 subjects	average	Real
B	To award grades as A,B,C depending on marks	grade	Integer
C	To insert a name of a students	stu_name	String
D	To insert marks of a student	marks	Boolean

Above table shows variable name and data type to be used in Pascal coding. Which ones is / are relevant data type to the given situation?

- i. A only                      ii. A and B only                      iii. A and C only                      iv. All of above

32. Consider the following facility available in a word processing package.

A – Landscape                      B – Layout                      C – Portrait

Which of the above are of orientation types in word processing package.

- i. A and B only      ii. A and C only                      iii. B and C only                      iv. All A, B, C

33. Consider the following statements regarding primary key in a table.

A- Primary key uniquely identifies each record.

B- Primary key values cannot be duplicated

C- Auto number can be used as a primary key

Which of the above is / are true?

- i. A only                      ii. A and B only                      iii. A and C only                      iv. All A, B, C

Use the following part of database to answer questions 34 -36.

Project_No	Project_Name	Cost	Incharge_No
P10	Research	Rs.100000	M001
P15	New product development	Rs.75000	M002
P17	Marketing	Rs.75000	M001

34. Which of the following data type is suitable for “Cost” field?

- i. Text                      ii. Number                      iii. Currency                      iv. String

35. Number of fields and records of the above data base are..... respectively.

- i. 4 and 4                      ii. 3 and 4                      iii. 4 and 3                      iv. 2 and 4

36. Following are some fields of above table.

A- Project\_No

B – Incharge\_No

C – Cost

Which fields is / are suitable for the primary key?

- i. A only                      ii. B only                      iii. A and B only                      iv. All A, B, C

37. A computer network has been setup all the branch computers of the Bank X in island wide. Which of the following explains the above network accurately?

A –LAN – Local Area Network

B – WAN – Wide Area Network

C – Internet

- ii. A only                      ii. B only                      iii. C only                      iv. All A,B,C

38. Which of the following is not a standard data type in Pascal

- i. integer                      ii. text                      iii. real                      iv. Boolean

39. Open Office Writer is example of a

i. Application Software

iii. System Software

ii. Utility Program

iv. Graphical User Interface

40. Which of the following is **not** a network topology?

- i. Bus                      ii. Serial                      iii. Star                      iv. Tree