

Practice Test

2016

Information & Communication Technology

Part I

1 hour

Answer all the questions**Read the questions carefully. Select the most suitable answer.**

1. Which of the following is incorrect?
 - (1) The first generation computers were based on vacuum tubes.
 - (2) Ada Lovelace is the first programmer of the world.
 - (3) UNIVAC belongs to second generation of computers.
 - (4) Joseph Jacquard introduced the punch card system.

2. Which of the following is not a component of a central processing unit?
 - (1) ALU
 - (2) Power supply unit
 - (3) CU
 - (4) memory registers

3. The binary equivalent of 123 is
 - (1) 10100111
 - (2) 10100011
 - (3) 10110111
 - (4) 01111011

4. The hexadecimal number B8 has the decimal value equivalent to
 - (1) 127
 - (2) 284
 - (3) 118
 - (4) 168

5. The minimum number of bits required to store the octal number 173 is
 - (1) 12
 - (2) 9
 - (3) 5
 - (4) 7

6. What is the largest decimal number that can be represented using a 5 bit binary number?
 - (1) 32
 - (2) 63
 - (3) 64
 - (4) 31

7. A number is represented as 101_y . If y is the base of the number system, which of the following number it could belong to?
 - (1) Octal and Binary only.
 - (2) Hexadecimal and Binary only.
 - (3) Octal and Hexadecimal only.
 - (4) Either Binary, Octal or Hexadecimal

8. Which piece of computer hardware is known as the “brain” of the computer and is responsible for processing instructions?
 - (1) Motherboard
 - (2) RAM
 - (3) CPU
 - (4) ROM

9. Which of the following has the highest storage capacity?

- (1) CD (3) Hard disk
 (2) Blue -ray (4) DVD

10. Select the operation represented by the following truth table:

- (1) OR (3) AND
 (2) NOT (4) XOR

Input 1	Input 2	Output
0	0	0
1	1	1
0	1	0
1	0	0

11. Which of the following is incorrect if A =1 and

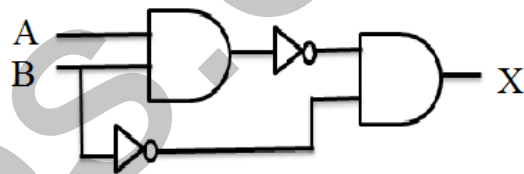
B = \bar{A} in the given logic circuit?

- (1) C = 0 (3) C = 1
 (2) B = 1 (4) B = 0



12. The correct Boolean expression for the X in the following circuit is

1. $(\bar{A} + \bar{B}) \cdot \bar{B}$
2. $(\bar{A} \cdot \bar{B}) + \bar{B}$
3. $(\bar{A} \cdot B) \cdot \bar{B}$
4. $(\bar{A} + \bar{B}) \cdot \bar{B}$



13. A canteen offers three types of fruit juices for students which are called as S, T and U. if a student selects S for a meal he or she cannot select it throughout the day. Which of the following represents the selection of a fruit juice by a student?

- (1) S OR (T OR U) (3) S AND (T OR U)
 (2) S AND (T AND U) (4) S OR (T AND U)

14. Amal is the manager of XYZ Company. He bought a word processing software (P) from a shop to manage its word processing tasks. He consulted a software firm to develop a payroll system (Q) for his company. Which of the following is true regarding the above scenario?

- (1) Both P and Q are off the shelf software.
- (2) P an off the shelf software and Q is a tailor made software.
- (3) Both P and Q are tailor made software.
- (4) P is a tailor made software and Q is an off the shelf software.

15. Which of the following is not one of the benefits of using a network?

- (3) Accessing shared data (3) communication
 (4) Protection from viruses (4) peripheral sharing

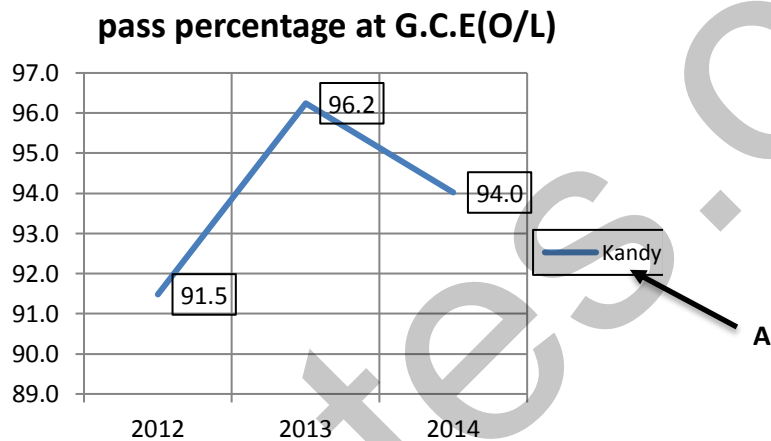
16. Which of the following icon is used in a word processing software to change case of text?

- (1) 
- (2) 
- (3) 
- (4) 

17. Consider the following statement and identify the feature applied to 'th' in it.

We went on the first day of the last weekend, which was 17th of October.

- (1) Subscript
- (2) Superscript
- (3) strikethrough
- (4) hidden



The above chart is prepared using a spreadsheet software.it displays the pass percentage at G.C.E(O/L)examination in a certain subject from 2012 to 2014.

18. A in chart is called as

- (1) Label
- (2) Legend
- (3) Title
- (4) Axis

19. Figures 91.5,96.2 and 94.0 in chart are called as

- (1) series
- (2) Data label
- (3) point
- (4) grid

20. An example for Simplex mode data communication is

- (1) Internet browsing
- (2) Radio transmission
- (3) Full-Duplex mode
- (4) Half-Duplex mode

21.is NOT an operating system?

- (1) Linux
- (2) Macintosh OSX
- (3) Apple iOS
- (4) Microsoft Internet Explorer

22. Electronic presentations are spacilaized to
- A.object animation
 - B.mail merge
 - C.Slide transtion
- (1) A and C only (3) A and C only
(2) B and C only (4) All are correct
23. Which of the following will happen if you press W while presenting a slide show presentation
- (1) Slide will move to previous slide.
 - (2) The screen will be black
 - (3) Slide will move to next slide.
 - (4) The screen will be white
24. Which of the following is incorrect about electronic presentations?
- (1) We can change the slide back ground from the slide sorter view.
 - (2) We cannot use the file extension jpeg in presentations.
 - (3) LibreOffice Base is a presentation software.
 - (4) A slide should contain at least 12 lines.
25. Which of the following function keys activate the spell checker, slide show and Help respectively?
- (1) F9 ,F12 and F1
 - (2) F7 ,F5 and F1
 - (3)F7,F8 and F9
 - (4)F5 , F1and Shift + F7
26. Which one of the following statement is **correct** about the Most Significant Bit of a number?
- (1) MSB is the value in the right extreme in a whole number.
 - (2) It is the value which is not zero, in the left extreme in a whole number.
 - (3) MSB is the value in the left extreme in a decimal number.
 - (4) MSB is the value which is zero, in the left extreme in a whole number.
27. Which of the following statements are true?
- A.** OpenOffice Calc is a spreadsheet software
 - B.** Text entered in a table cannot be formatted.
 - C.** Ctrl + A selects all the text in a document.
- (1) A and C only (3) A and C only
(2) B and C only (4) All are correct
28. Which of the following statement is **true** about data and information?
- (1) Processed data is always correct.
 - (2) The accuracy of information depends on the input data.
 - (3) There should be a lot of data to make a decision.
 - (4) Processed information is reliable.

29. Which of the following statements are correct?

- A. The CPU activates the BIOS
- B. Loading the operating system into RAM is called booting
- C. POST checks for viruses in the operating system.

- (1) A and C only
- (2) B and C only
- (3) A and B only
- (4) All of the above

30. When $=7 \wedge 2/(9-2)$ is typed in a cell of a spreadsheet, the answer is

- (1) 1
- (2) 7
- (3) 2
- (4) 4

Questions 31 to 32 are based on the given spreadsheet table.

31. The correct range of marks is

- (1) =(D22:D27)
- (2) =(D24:D27)
- (3) D24:D27
- (4) C24:D27

32. The correct formula to find the average marks of the given subject is

- (1) =sum(D22:D27)
- (2) =average(D24:D27)
- (3) =avg(D24:D27)
- (4) =average(C24:D27)

	C	D
22		
23	name	marks
24	Anne	45
25	Ravi	34
26	Mala	56
27	Lal	22
28		

33. Which of the following gives a correct matching of the contents of Column A with those of Column B?

A		B	
p	E6	i	Consists of several worksheets
q	row	ii	A cell address
r	worksheet	iii	Consists of number of cells
s	workbook	iv	Consists of columns and rows

- (1) (p-i),(q-ii),(r-iii),(s-iv)
- (2) (p-ii),(q-iii),(r-iv),(s-i)
- (3) (p-iii),(s-ii),(r-i),(q-iv)
- (4) (q-i),(r-ii),(p-iv),(s-iii)

Questions 34 to 36 are based on the student table.

student table

regno	name	DOB	nameofguardian
2342	M.Dayan	2/9/2008	K.Gomez
2540	E.Herath	4/2/2008	B. Herath
2367	W.Ebert	12/30/2007	W.K.Ebert

34. Most suitable data types for the fields regno, DOB and name respectively are

- (1) Text, Number, Text
- (2) Number, Text, date
- (3) Number, datetime, Text
- (4) Text, datetime, Text

35. The primary key of student table is
- (1) name
 - (2) regno
 - (3) DOB
 - (4) nameofguardian
36. Number of fields in the student table is
- (1) 6
 - (2) 3
 - (3) 4
 - (4) 5
37. Which one of the following statement is correct?
- (1) Ctrl + M can be used to create a new presentation.
 - (2) Hyperlinks cannot be inserted in slides.
 - (3) Ctrl + Z will undo the last action we perform
 - (4) Ctrl + Home brings you to the next slide in your presentation
38. Which of the following statements are correct?
- K.** FAT16 and NTFS are file extensions.
 - L.** Renaming the files and folders is a task of the operating system?
 - M.** Formatting is preparing a data storage device or storing data.
- (3) K and M only
 - (4) M and L only
 - (3) L and K only
 - (4) All of the above
39. Which of the following statement is incorrect about operating systems?
- (1) Real time operating systems are used in ATMs and scientific devices.
 - (2) Multi-tasking operating systems are used in personal computers.
 - (3) MS DOS is a single user operating system
 - (4) Windows 7 is a multi-tasking operating system
40. Which of the following is not an e government activity?
- (1) Payment of utility bills
 - (2) Renewal of vehicle licenses
 - (3) Online shopping
 - (4) Downloading facility of circulars