



University of Kelaniya - Sri Lanka
Centre for Distance and Continuing Education

Bachelor of Arts (General) Degree First Examination(External) - 2014

August/September/October 2018

Faculty of Science

Computer Literacy –COMP – E 1014

Paper I

Answer all questions.

Number of Questions : 40

Number of Pages : 08

Time : 01 Hour

- 5 answers have been given to a multiple choice question
- Choose the most correct or most appropriate answer
- A separate answer sheet has been provided to mark answers
- Use calculators are not allowed / Permitted

1. Price of an exercise book is Rs. 160.00. Price of two pencils is Rs.36.00. Price of eraser is Rs. 4.00. The Binary value of the total of these items is ?

(i) 10001000₂

(ii) 11001000₂

(iii) 11011000₂

(iv) 11011010₂

(v) 11110010₂

2. Who was the main person related to apple computers and mobile phone production?

(i) Mark Zuckerberg

(ii) Tim Berns Lee

(iii) Bill Gates

(iv) Steve Jobs

(v) Ada Augusta

3. To which category does SMS belongs to

(i) Simplex Data Communication Method

(ii) Half Duplex Data Communication Method

(iii) Full Duplex Data Communication Method

(iv) Point To Point Communication

(v) None of the above

4. Student creates a document using a word processing software, what is the best device to add a picture in a printed book to the soft copy of the document?

(i) Key Board

(ii) Mouse

(iii) Printer

(iv) Scanner

(v) Pen Drive

5. Which is not a Data Base Management System (DBMS) software

(i) MY SQL

(ii) Oracle

(iii) Google docs

(iv) Foxpro

(v) MS Access

6. What is correct about system software

- (a) Ubuntu and MacOS are system software
- (b) System software is used to manage hardware management
- (c) Application software interacts with hardware

- (i) Only a & b
- (ii) Only a & c
- (iii) Only b & c
- (iv) Only c
- (v) All of the above

7. What is the operating system without a Graphical User Interface (GUI) ?

- (i) MS Windows Vista
- (ii) MS DOS
- (iii) MacOS
- (iv) Ubuntu
- (v) Windows XP

8. What is the correct Logic Gate for the given truth table

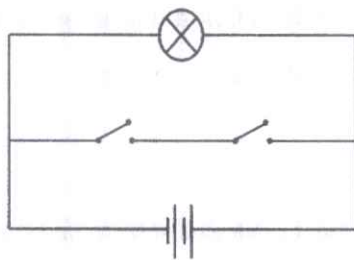
A	B	Output
0	0	1
0	1	0
1	0	0
1	1	0

- (i) NOR Gate
- (ii) XOR Gate
- (iii) NAND Gate
- (iv) XNOR Gate
- (v) XNAND Gate

9. Which is not a method used to collect data for system development ?

- (i) Interviews
- (ii) Documents
- (iii) Discussions
- (iv) Tutorial
- (v) All of the above are data collecting methods

10. which logic gate represents the following circuit?



- (i) AND Gate
- (ii) OR Gate
- (iii) XOR Gate
- (iv) NAND Gate
- (v) NOR Gate

11. What is not important to host a web site ?

- (i) Web Browser
- (ii) IP Address
- (iii) Search Engine
- (iv) Modem
- (v) Web page content

12. Which of the following is correct (related to computer memory space measurements)?

- (i) $2^2 \text{MB} / 2 = 1 \text{KB}$
- (ii) $2^3 \text{bit} = 1 \text{Byte}$
- (iii) $2^{30} \text{Byte} / 2^{10} = 1 \text{MB}$
- (iv) $1024 \text{KB} \times 2 = 1 \text{MB}$
- (v) $2^{11} \text{Byte} / 2^2 = 1 \text{MB}$

13. Which of the following is used to read cheque numbers in the bank?

- (i) Optical Mark Recognition (ii) Magnetic Ink Character Recognition
(iii) Uninterrupted Power Supply (iv) Network Interface Card (v) None of the above

14. "This computer has a high processing capacity and large in size also very expensive and rare. Also its used to solve scientific and engineering problems" . Which computer suit with above statements ?

- (i) Laptop (ii) Main frame (iii) Mini computer (iv) Super computer (v) Micro computer

15. Smallest unit used to denote a picture in a computer monitor is a?

- (i) Cell (ii) Byte (iii) Elements (iv) Pixel (v) Bit

16. Consider the following symbols A = #, B= @, C=., D= £, E-Com Which symbol(s) can be added to an email address ?

- (i) Only A (ii) Only B (iii) Only B & C
(iv) Only B, C & E (v) Only B & E

* Use the given worksheet for questions (17) & (18).

	A	B	C	D	E
	Item No	Quantity	Unit Price	Total Amount	Discount
01	001	5	Rs.10.00		
02	002	3	Rs. 60.00		
03	003	8	Rs. 125.00		
04	004	9	Rs. 75.00		

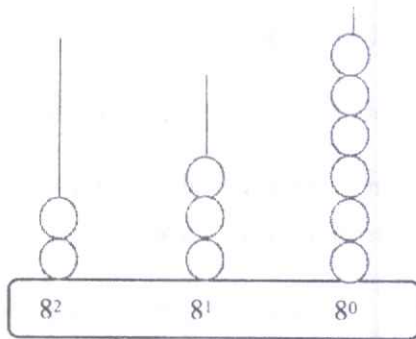
17. Which equation is used to calculate the total in cell D2 for itme 001?

- (i) =B2+C2 (ii) B2xC2 (iii) Sum(B2:C2)
(iv) =B2xC2 (v) Max(B2xC2)

18. A discount of 5% should be given when buying an item type exceeding Rs. 500. What should be the formula to be written in cell E2 to find the discount?

- (i) =Discount(B2:D2) (ii) If(D2>500,5%) (iii) If(D2>500then discount 5%)
(iv) =if(D2>500,x5%) (v) All the above answers are false

19.



The picture shows an abacus according to the Octal number system. The value after converting the denoted number into decimal no system is, (Octal $\rightarrow$ Decimal)?

- (i) 158 (ii) 25 (iii) 11 (iv) 236 (v) 129

20. Consider the following facts to increase the quality of a presentation

- (a) The number of lines in a slide (c) The number of images on a slide
(b) Use of correct language and grammar (d) Aiming the goal of the audience

From these facts, what should be taken into more consideration?

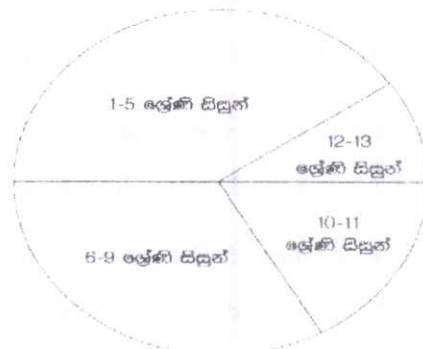
- (i) Only a,b & c (ii) Only c & d (iii) Only b,c, & d
(iv) Only a,c & d (v) All a,b,c & d

21. "Temporarily stores data and instructions to be processed " To which memory unit does this apply to?

- (i) Read only memory (ROM) (ii) Random Access Memory (RAM)
(iii) Memory of magnetic tape (iv) Memory of Harddisk
(v) Memory of zip disk

22. The following pie chart shows the students according to grades of a school with 1000 students. What conclusion is true from below?

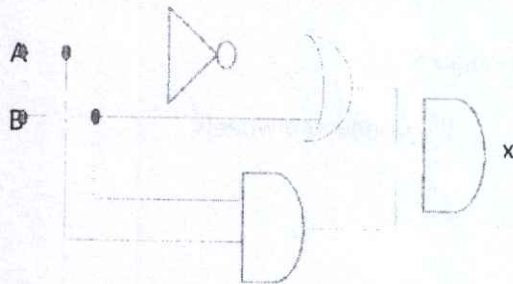
- (i) There are more than 375 students from grade 1-5
(ii) There are more than 250 students from grade 6-9
(iii) There are more than 125 students from grade 10-11
(iv) There are more than 250 students from grade 12-13
(v) There are more than 400 students from grade 10-13



23. Consider the number 11_a . a denotes the base of the number system. What is true according to the above number base?

- (i) Only binary
- (ii) Only octal
- (iii) Only hexadecimal
- (iv) Only octal or binary
- (v) Can be Octal, binary or hexadecimal

24. what should be the inputs of A & B for the output of this logic gate to be 1?



- (i) 0,0
- (ii) 0,1
- (iii) 1,0
- (iv) 1,1
- (v) Above (ii) & (iii) both are true

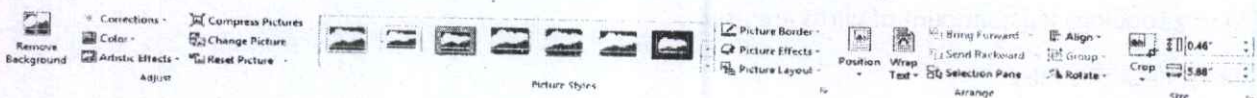
25. Which of the following is / are characteristic /s of data transmission through fiber optics?

- (a) Speed of light
- (b) Voltage
- (c) Full internal reflection
- (i) Only a and b
- (ii) Only b and c
- (iii) Only a and c
- (iv) Only a
- (v) Only c

26. GPS is widely used to identify a location of something or place. Here GPS stands for,

- (i) Going places sometimes
- (ii) Global positioning system
- (iii) Global places system
- (iv) Global positioning satellites
- (v) Government positioning satellites

27. A tool bar of Microsoft word is as follows. Which tab represents the following?



- (i) Formatting
- (ii) Drawing
- (iii) Standard
- (iv) Tables and borders
- (v) Quick Access

28. A backup is ,

- (i) A disk with software's
- (ii) A disk with data
- (iii) An identicle copy of folders of data and software's
- (iv) A Category where only necessary data are stored
- (v) None of the above

29. $[(A1/A2)+(A3 \times A4)]$ formula is written on cell A5 on a Microsoft Excel worksheet. Choose the value that should be on cell A5 based on the given values.

	A	B
1	15	
2	05	
3	10	
4	02	

- (i) 3 (ii) 20 (iii) 2
(iv) 22 (v) 23

30. What qualities should be considered when buying a computer chair ?

- (i) Armrest (ii) Lower back support (iii) Connected wheels
(iv) Adjustable height (v) All of the above

31. Information of a person or product in a database is a ?

- (i) Record (ii) Field (iii) Filter (iv) File (v) Query

32. Which device acts only as an input device?

- (i) Touch Screen (ii) Web cam (iii) Hard disk drive
(iv) Monitor (v) Pen drive

33. Select the **true statement** about network topology

- (i) The main disadvantage of tree topology is that the whole network is connected to one main computer
(ii) In bus topology if one computer breaks down, the whole network breaks down
(iii) In star topology all computers connect to one main wire
(iv) In ring topology least amount of wires are used
(v) Above all can be false

34. Identify the correct uniform resource locator (URL) from the given

- (i) www.ftp://cnn.com/TECH/ (ii) <http://www.cnn.com/TECH>
(iii) <ftp://TECH/www.com.cnn> (iv) <http://TECH/www.Cnn.com/>
(v) All above answers can be false

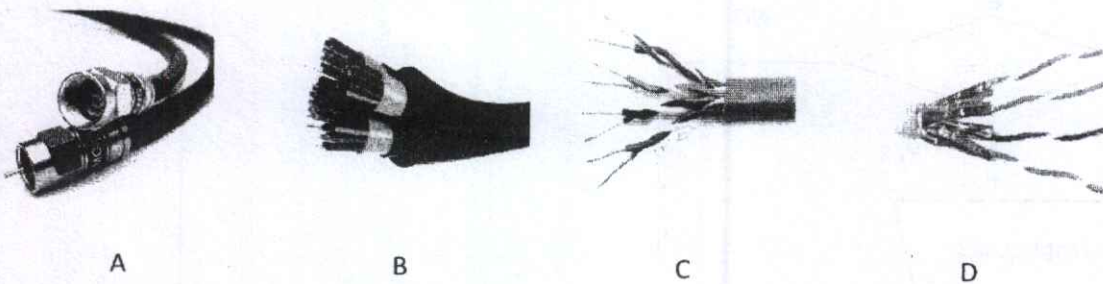
35. A computer has got a virus attack. What can be the least affected reason for this?

- (i) Using a pirated software (ii) Not updating the virus guard software
(iii) Not using a newer version of the operating system
(iv) Using a flash memory device in a laboratory without guard for virus
(v) Not using firewall

36. A computer game who uses a new computer complains that motions in the game are slow. What could be installed to overcome this error?

- (i) A Sound card with better facilities
- (ii) A Hard disk with more capacity
- (iii) A Dedicated Graphic card with better facilities
- (iv) A Network Interface card
- (v) A RAM card with more capacity

37.



The picture show 4 types of wires used for the transmission of data. Which of the following decodes then respectively?

- (i) Coaxial cable, STP cable, UTP cable, Fiber optics cable
- (ii) Coaxial cable, Fiber optics cable, STP cable, UTP cable
- (iii) Coaxial cable, Fiber optics cable, UTP cable, STP cable
- (iv) Coaxial cable, UTP cable, Fiber optics cable, STP cable
- (v) Coaxial cable, UTP cable, STP cable, Fiber optics cable

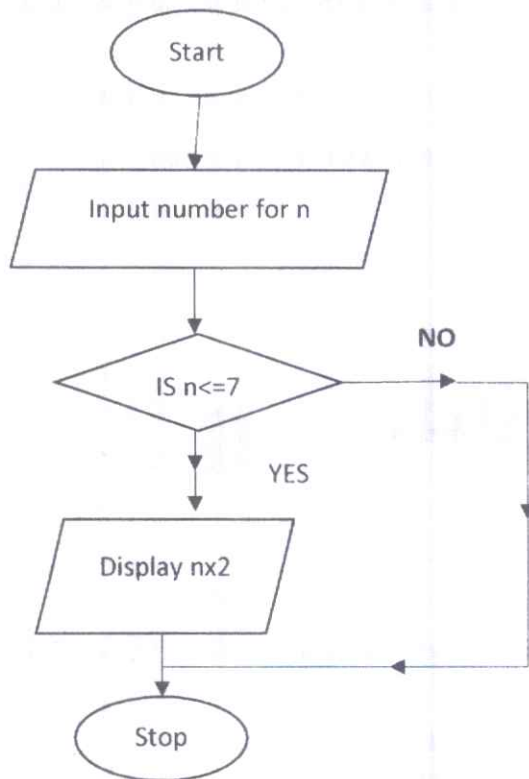
38. An IP (Internet Protocol) address is needed when connecting a computer to the internet. Which of the following is not a valid IP address ?

- (i) 172.10.10.125
- (ii) 250.1.1.10
- (iii) 278.220.1.10
- (iv) 178.222.1.10
- (v) 10.10.100.52

39. The goal of a password in a computer network is,

- (i) Letting the public enter the computer network
- (ii) For security and control of unauthorized access
- (iii) To speed up the computer activities
- (iv) To control the entry of malware like virus into the computer.
- (v) To give equal benefits to all users

40. What is the output of the given flow chart if the input number (n) = 7



- (i) 1,2,3,4,5,6,7
- (ii) 2,4,6,8,10,12
- (iii) 12
- (iv) 14
- (v) No output