



Final Term Test 2014 – Kegalu Vidyalaya

(80) Information and Communication Technology I, II

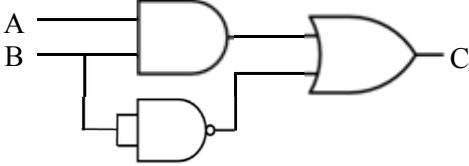
Three hours
Grade 11

(80) Information and Communication Technology I

Note:

- (i) Answer **all** questions.
- (ii) In each of the questions 1 to 40, pick one of the alternatives (1), (2), (3), (4) which you consider as **correct** or most **appropriate**.
- (iii) **Mark a cross (X) on the number corresponding to your choice in the answer sheet provided.**
- (iv) **After answering paper and I paper II, tie the two sets of answer scripts together and hand over.**

1. One of the bank customers input his ATM card and enter the secret code. Then the database is checked his balance and display on the screen. What is the correct order of input, process and output of this system?
 - (1) Display balance, checking the database, Secret code
 - (2) Secret code, Display balance, checking the database
 - (3) checking the database, Secret code, Display balance
 - (4) Secret code, checking the database, Display balance
2. Which one of the followings are the examples for secondary storage?
 - (1) Digital Versatile Disk (DVD), Flash memory, Random Access Memory (RAM)
 - (2) Read Only Memory (ROM), Random Access Memory (RAM), cache memory
 - (3) Digital Versatile Disk (DVD), hard disk, magnetic tape
 - (4) Random Access Memory (RAM), register, hard disk
3. Which of the following tools available in spreadsheet software will help to enter formulae in the correct format?
 - (1) format template (2) format wizard (3) function template (4) function wizard
4. Consider the following statements regarding presentation software:
A - Pressing Ctrl + N keys will create a new presentation
B - Pressing the key N within a slide show will display the next slide.
C - Pressing the key B within a slide show will display the previous slide.
Which of the following is true regarding the above statements ?
 - (1) A and B (2) A and C (3) B and C (4) All of them
5. Consider the following functions :
A – Checking the spelling in a document
B – Managing the process that run on the system
C – Providing an interface to the user
Which of the above are functions of an operating system?
 - (1) A and B (2) A and C (3) B and C (4) All of them
6. “spam” means
 - (1) A Trojan horse (2) type of an encryption
 - (3) type of a virus (4) Unsolicited e-mail sent to many recipients
7. Which of the following is the most unlikely consequence of an infection on your home computer?
 - (1) computer not responding to user action (2) permanent damage to computer hardware
 - (3) slowing down of internet access (4) software failing to work properly
8. Which of the following is the most appropriate tool protect your computer from unauthorized remote access?
 - (1) firewall (2) switch
 - (3) virus scanner (4) anti-virus software

9.has found device and he named as the father of a computer.
- (1) Charles Babbage, Difference Engine (2) Blasé Pascal, Pascaline
(3) Sir Tim Berners Lee, Internet (4) John Napier, Napier's bones
10. Which of the following respectively shows both input device and output device?
- (1) network interface card, touch screen, microphone
(2) touch pad, scanner, sound card
(3) headphone set, modem, touch screen
(4) remote controller, multimedia projector, web cam
11. Which of the following represents the correct order of precedence of capacity of a unit cost from maximum to minimum?
- (1) main memory(RAM), external hard disk
(2) register, main memory(RAM), external hard disk
(3) external hard disk, , main memory(RAM), register
(4) register, external hard disk, , main memory(RAM)
12. Which one is the equal decimal value for AF_{16} ?
- (1) 175 (2) 176 (3) 257 (4) 25
13. Total number of students are equal for 101110_2 . Half of students are girls. How many boys are there in this class?
- (1) 17_{10} (2) 27_8 (3) 10110_2 (4) 46
14. One of a digit is represented using 4 bits in BCD number system. Which one is not relevant to BCD number system?
- (1) 10000000 (2) 10000001 (3) 10100000_2 (4) 01111001
15. Which is the incorrect statement about the Unicode?
- (1) Unicode is represented characters using 16 bits.
(2) English ,Sinhala ,tamil letters also can represent using Unicode.
(3) Computer programmes can code in any programming lanuage using sinhala Unicode.
(4) Unicodes represent more than characters ASCII and EBCDIC.
16. When coping an image in a pen drive to hard disk ,data transmission speed is measured in and the capacity of an image is measured in
- (1) bits, bps (2) bps, bytes (3) bytes, Hz (4) Hz, bits
17. In the given logic circuit, C represents the output corresponding to inputs A and B. Which of the following represent corresponding values for A, B and C respectively?
- (1) A=1, B=1 and C=0
(2) A=0, B=0 and C=0
(3) A=0, B=0 and C=1
(4) A=0, B=1 and C=1
- 
18. What should be output F of the given truth table which correspond to values of A and B?
- | A | B | F |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |
- (1) A AND B
(2) A NAND B
(3) A XOR B
(4) A XNOR B
19. A collection of data in a computer system is a file. It includes and That file is in GUI interface named as a
- (1) file name, folder, file extension
(2) file name, file extension, folder
(3) folder, file extension, file name
(4) folder, file name, file extension

20. What will happen by pressing Ctrl+W shortcut keys?

- (1) save document.
- (2) background color change in to white.
- (3) display the document close window
- (4) underline words only.

21. Part of a spreadsheet is shown in the given diagram. If formula Rank(D2,D\$2:D\$7) is written in cell E2.It has copied in to other cells .what rank would be displayed in cell E2?

	A	B	C	D	E
1	IndexNo	Paper I	Paper II	Total	RANK
2	A123	34	52	86	=RANK(D2,D\$2:D\$7)
3	A124	36	53	89	
4	A125	33	50	83	
5	A126	33	52	85	
6	A127	34	54	88	
7	A128	35	47	82	
8					

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

22. Which is the correct statement about =RANK(D2,D\$2:D\$7) formula in E2 cell above spreadsheet?

- (1) represents relative and absolute row cell referencess in formula.
- (2) represents relative and absolute column cell referencess in formula.
- (3) represents relative and absolute cell referencess in formula..
- (4) represents relative and absolute row and coloumn cell referencess in formula..

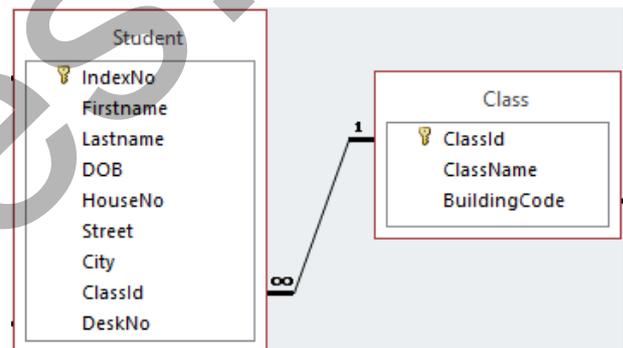
23. Which is not a basic animation type of a slide in presentation software ?

- (1) Entrance
- (2) Exit
- (3) Emphasis
- (4) Appear

• Answer the question no 24-26 using following school database relationship part.

24. How many fields in Class table?

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



25. ClassId is(A).....in Student table and.....(B).....in class table.

- (1) A - primary key B - foriegn key
- (2) A - foriegn key B - primary key
- (3) A - foriegn key B - foriegn key
- (4) A - primary key B - primary key

26. Name the relationship type between Student:Class tables?

- (1) One : One (1:1)
- (2) One : Many (1:m)
- (3) Many : One (m:1)
- (4) Many : Many (m:n)

27. Which is the correct statement about Relational Database Management Systems?

- (1) Query is used to find records in a table.
- (2) Form is an object that is used to store data.
- (3) Reports can be made by using data that is only one table
- (4) data that including in forign key is never repeat in a table.

28. Consider the follwing statement .

- X is a positive number
- Y is a negative number
- Z = 0

What is the correct output of this expression?

(X>Y) OR (Y>Z) AND (Z< >0)

- (1) 1
- (2) 0
- (3) FALSE
- (4) TRUE

29. Following part of a pseudo code is prepared to print a set of even numbers 1 to 10 {1,0,8,6,4,2}.

Which is suitable logic for filling the blank to get above output?

- (1) $N > 0$
- (2) $N \leq 10$
- (3) $N > 1$
- (4) Both 1 and 3

Begin

```
N = 10
While (.....)
    Print N
    N = N - 2
EndWhile
```

End.

30. Consider the following activities:

A – Interviewing the principal of the school.

B – Studying an old news report that describes the establishment of the school.

C – Gathering information about registration of students from students' registry.

Which of the above statement/s can be used for system analyzing in developing a student information system (SIS) for a school?

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

31. Which answer has services that provides by only internet?

- (1) e mail, File Transfer Protocol (FTP), Search Engines
- (2) e-mail, World Wide Web (WWW), Social Networking
- (3) Social Networking, chat /IRC, Search Engines
- (4) World Wide Web (WWW), File Transfer Protocol (FTP), chat (IRC)

32. What is the correct phases in order of precedence in SDLC that would be launched after feasibility study in a new system?

- (1) System analysis, System design, problem identification
- (2) System design, System analysis, testing
- (3) System analysis, System design, System development
- (4) System development, testing, System maintenance

33. Which is the correct statement/statements about graphic designing software?

A – An image is edited using layers in a canvas

B – Quality of an image is measured by resolution of that image.

C – Background content of a graphic source file can't be created as transparent.

- (1) A and B
- (2) A and C
- (3) B and C.
- (4) All of them

34. Which is the correct statement/statements about 2D animation software?

- (1) A frame is created in timelines
- (2) Visuals can't be added to 2D animation source file
- (3) A 2D animation source file can be uploaded in to a web page and it can be displayed in a web browser
- (4) Every layer has a time line.

35. Which is the HTML tag that would be included in `<head>...</head>` element?

- (1) `<body>`
- (2) `<a>`
- (3) `<title>`
- (4) `<table>`

36. Which tag is not in HTML?

- (1) `<download>`
- (2) `<th>`
- (3) `<dd>`
- (4) `<caption>`

37. Which is the incorrect statement of followings?

A - First the operating system should be updated to protect the computer system from malicious code/malware software

B - Should be kept a backup of data in a computer system, because unauthorized access.

C - Data encryption is used to protect sensitive data that is transferred via computer networks.

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

38. Prolong use of computer causes eye strain that can lead to blurred vision and headaches. Which of the following will reduce eye strain?
- (A) Setting the brightness and the contrast of the monitor to its maximum value
 - (B) Taking regular breaks during computer usage
 - (C) Using appropriate lighting and window curatins to avoid glare
- (1) A and B (2) A and C (3) B and C (4) All of them
39. Consider the following activities
- A - Software privacy and software piracy are considered as legal.
 - B - Hacking someone's e mail account.
 - C - Creating virus programmes for free sharing and creating Anti-virus software for selling
- What are the unethical activities?
- (1) A and B (2) B and C (3) A and C. (4) All of them
40. Which is the physical issue that **is not** effected to the system?
- (1) dust (2) smoke (3) viruses (4) moisture

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