Third Term Test - Grade 08 - 2023
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Information and Communication Technology

Time:
1 hour and 30 minutes

Name / Index No:-

01. Underline the correct answer.

   01. The main components of a computer system are,
      1. Processing, storage, communication
      2. Processing, output, storage
      3. Input, processing, output
      4. Input, output, communication

   02. 173_{10} The binary equivalent of the decimal number 173_{10} is
      1. 11101101_2
      2. 10101101_2
      3. 10111101_2
      4. 10101111_2

   03. The decimal equivalent of the binary number 1011011_2 is
      1. 93_{10}
      2. 89_{10}
      3. 91_{10}
      4. 90_{10}

   04. Where can you see the date and time on the computer screen?
      1. Task Bar.
      2. My Documents
      3. My Computer
      4. Recycle Bin

   05. The number system used to represent data in the computer is
      1. Decimal
      2. Binary
      3. Hexa Decimal
      4. Octal

   (2x5=10 marks)

02. Read the list of terms below and fill in the blanks.

   1. When connecting the printer to the computer, the .... port is used.

   2. The .... port cannot be connected to a computer monitor.

   3. File extension of the file "Sportsmeet.docx" is ....

   4. .... is an example for an application software.

   5. .... is used to create web pages using HTML.

   (USB, parallel , word, docx. HDMI, Ubuntu, Notepad)   (2x5=10 marks)

03.   i.   Match the given symbols with the suitable function for the tools available in the word processing software.

   1. Word Art
   2. Undo
   3. Pictures
   4. Open
   5. Save

   (1x5=5 marks)

ii. Consider finding the area of a rectangle as a problem and write its input, process, output.
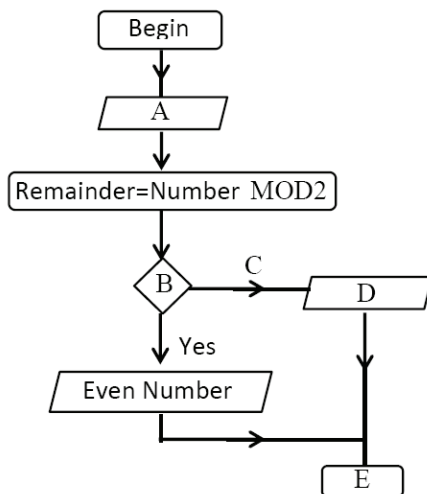
Input   :   ....

Process   :   ....

Output   :   ....

(1x3=3 marks)

iii. Name the 3 control structures used to construct an algorithm.

....

....

....

(1x3=3 marks)

04. i. Choose and write the appropriate words in brackets for the spaces in the flowchart to determine whether the input number is odd or even.

(end , no , an Odd Number , remainder=0 , input number)

A ....

B ....

C ....

D ....

E ....

(2x5=10 marks)

ii. Write   the final result **True or False** of the given Scratch statements below. Assume that A isa variable and it's value is 15.
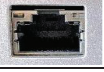
1.   ....

2.   ....

3   ....

4.   ....

(2.5x4=10 marks)

05. Identify the Ports given in the table and select their names from the list below. Write each device that can be connected to the computer using the appropriate port.

(HDMI, VGA, USB, Parallel, eSata, Audio Port, RJ/45,)

	Port	Connected Device

(2x5=10 marks)

06. Answer all the questions.

   i. Write two hardware problems?

   ....

   ....

   ii. Write two file attributes?

   ....

   ....

   iii. Write two application softwares?

   ....

   ....

   iv. Write two examples for operating systems?

   ....

   ....

   v. Write two smart devices?

   ....

   ....

   ....

(2x5=10 marks)

07. i. Name the logic gates corresponding to the following symbols.

(5 marks)

(a)   (b)   (c)

....

   ii. Complete the Truth Table that represents to AND Gate

ආදාන		ප්‍රතිදානය
A	B	A.B

(5 marks)

03

08. i. Name 2 search engines used to search information on the Internet.

....

....

<div align="right">(2 x 2 = 4 marks)</div>

ii. Select and write the correct HTML Tags used to create the web page shown below.

(<p> , <u> , <img src=" "> , <h> , <b> , <ul> , <ol>)

Adam's Peak ← ①

③ ➤ **Adam's Peak** is a 2,243 m (7,359 ft) tall conical sacred mountain located in central Sri Lanka. It is well known for the *Sri Pada* (*sacred footprint*), rock formation near the summit whose name is also used for the mountain itself.

④ ➤ In Buddhist tradition the print is held to be the footprint of the Buddha, in Hindu tradition that of Hanuman or Shiva and in some Islamic and Christian traditions that of Adam or St. Thomas.

⑤ ➤ <u>Special Features</u> **–**

⑥
- The mountain is located in the southern reaches of the Central Highlands in the Ratnapura District and Nuwara Eliya District of the Sabaragamuwa Province and Central Province
- Adam's Peak is the source of three major rivers in Sri Lanka: Kelani River, Walawe River, and the Kalu Ganga
- Sri Pada is mentioned in the 5th century chronicle Mahawamsa, where it is stated that the Buddha visited the mountain peak.

1. ………………………………   4. ………………………………

2. ………………………………   5. ………………………………

3. ………………………………   6. ………………………………

<div align="right">(2.5x6=15 marks)</div>

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Information and Communication Technology

Answer Paper

01	01	3			02.	01.	Parallel	
	02	2				02.	USB	
	03	3				03.	docx	
	04	1				04.	word	
	05	2	(2x5=10 marks)			05.	Notepad	(2x5=10 marks)

03. i.

1. Word Art
2. Undo
3. Pictures
4. Open
5. Save

(1x5=5 marks)

ii.
Input — Length and width of the rectangle
Process — Area=lengthxWidth
Output — Area of the rectangle

(1x3=3 marks)

iii.
1. Sequence
2. Selection
3. Repetition

(1x3=3 marks)

04. i.

A — Input Number
B — Remainder=0
C — No
D — An Odd Number
E — End

(2x5=10 marks)

ii.
1 — True
2 — False
3 — True
4 — False

(2.5x4=10 marks)

05.

	Port	Connected Device
	VGA	Monitor
	RJ45	RJ45 cable
	HDMI	Monitor , Digital TV
	Parrellel	Printer
	Audio port	Speaker , Head Phone

(2x5=10 marks)

06.   i.   Computer doesn't function , mouse/keyboard doesn't function

ii.   File Type , File size , File Extension

iii.   Word processing , powerpoint , Excel , Web Browser , Computer Games

iv.   Windows , Ubuntu , Macos , Linux

v.   Smart TV , Tablet , Smart phone , Laptop , Drona Camera   (2x5=10 marks)

07.   i.   (a)   AND Gate   (b)   OR Gate   (c)   NOT Gate   (5 marks)

ii.

ආදාන		ප්‍රතිදානය
A	B	A.B
0	0	0
0	1	0
1	0	0
1	1	1

(5 marks)

08.   i.   Google , Yahoo ,Ask , Bing , msn   (2x2=4 marks)

ii.   1.   <h>

2.   <img src=" ">

3.   <b>

4.   <p>

5.   <u>

6.   (2.5x6=15 marks)