



Third Term Test - Grade 09 - 2023
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Information and Communication Technology

Time:
1 hour and 30 minutes

Name / Index No:-

01. Underline most suitable answer.

(3 x10=30)

01. Which of the following is an example for output device?

- (1) Speaker (2) Microphone (3) Hard Disk (4) Scanner

02. Binary equivalent to decimal number 134 is?

- (1) 10000111₂ (2) 10000101₂ (3) 10000110₂ (4) 10001001₂

03. What is a non-portable computer among followings?

- (1) Server Computer (2) Laptop Computer
(3) Tablet Computer (4) Notebook Computer

04. What is the disadvantage of networking computers among followings?

- (1) Ability to share resources (2) Security
(3) Ability to create backups easily (4) Ability to use e mail service

05. Name the device that unable to connect using USB port?

- (1) Mouse (2) Web Camera (3) Monitor (4) Scanner

06. Select an incorrect statement about spreadsheet software.

- (1) Calculations can be done using formulas and functions.
(2) Can create different types of charts.
(3) Various videos and animations can be inserted to spreadsheets.
(4) Cell addresses are made by combining column letter and raw number.

07. Most suitable chart type to represent percentage in spreadsheets?

- (1) Bar Charts (2) Pie Charts (3) Line Charts (4) Area Charts

08. What is the control structure that allows selecting flow path according to satisfaction of relevant condition?

- (1) Sequence (2) Selection (3) Repetition (4) Algorithm

09. Name the device that didn't use sensors and microcontrollers?

- (1) Microwave Oven (2) Washing Machine
(3) Blender (4) Solar powered lamps

10.  What is the task of this tool?

- (1) Save a document (2) Check spellings
(3) Search words in a document (4) To show print preview (2 x5=10)

02. Match "A" with "B".

A

- (1) Designs and develops websites
(2) Develops computer programs
(3) Develops software
(4) Manages and maintains networks
(5) Designs information systems

B

- Software Engineer
System Analyst
Web Developer
Programmer
Network Administrator

(2 x5=10)

03. Put \surd for correct sentences and \times for incorrect sentences.

- (1) Dual core computers have two CPUs ()
(2) Measuring unit of processor speed is GB ()
(3) Price of the computer is a technical specification ()
(4) Scanner can be connected to the computer using USB port. ()
(5) Bluetooth technology can be used to create wireless connections. ()

04. Answer the following questions referring worksheet made using spreadsheet software given below.

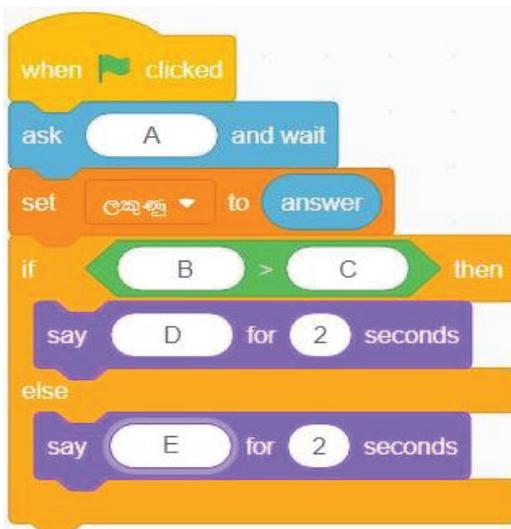
(3x5=15)

	A	B	C	D	E	F	G	H
1	Index No	Name	Maths	Science	English	ICT	Total	Average
2	2345	Ayesha	37	23	42	70		
3	2346	Janadi	36	15	46	ab		
4	2347	Shanuki	50	45	49	54		
5	2348	Nipuni	52	70	90	81		
6	2349	Oshani	45	65	50	63		
7	2350	Sathsarani	ab	40	42	34		
8	2351	Hansi	49	58	78	79		
9								
10	maximum							
11	minimum							

01. Write a function to calculate total marks of Ayesha in cell G2.
.....
02. Write new function appear in cell G5 if you copy above mentioned function to it .
.....
03. What is the function you have to type in cell H2 to fine average marks of Ayesha.
.....
04. Write the function that must enter in cell F10 to find maximum marks for ICT.
.....
05. Write the function that must enter in cell C11 to find minimum marks for maths.
.....

05. Students must obtain more than 50 marks to be selected for a course. When user input marks, if the mark is greater than 50, must display “Selected for course” and if not must display “Not selected for course”. Complete the following scratch program that represents this situation.

(3x5=15)



- A
- B
- C
- D
- E

(Enter Marks / Marks, / Not Selected for course / Selected for course / 50)

1. What are the four basic components of microcontrollers ?

.....
.....
.....
.....

2. Define digital divide.

.....
.....

3. Write two situations where ICT used for education.

.....
.....

4. Write two negative effects of ICT in society.

.....
.....

5. Briefly describe 3R method

.....
.....

6. What are the two basic objectives of networking computers?

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.....

7. Name 3 devices required for establish a computer network.

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8. Name 3 basic control structures use in programming.

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Provincial Department of Education - NWP

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Third Term Test - Grade 09 - 2023

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පිළිතුරු පත්‍රය

01. 1. 1 2. 3 3. 1 4. 2 5. 3
6. 3 7. 2 8. 2 9. 3 10. 4

- 02 1. Web Developer 2. Programmer 3. Software Engineer
4. Network Administrator 5. System Analyst

03. 1. √ 2. × 3. × 4. √ 5. √

04. 1. = SUM(C2:F2) 2. = SUM(C5:F5) 3. = AVERAGE(C2:F2)
4. = MAX(F2:F8) 5. = MIN(C2:C8)

05. A - Enter Marks B - Marks C - 50
- D - Selected for course. E - Not Selected for course.

- 06.
1. CPU, Memory, System Clock, Peripheral devices
 2. The digital divide refers to the gap between individuals or communities that have access to modern information and communication technology (ICT) and those who do not.
 3. Search educational information, online exams, online courses, LMS
 4. Technology Addiction, Exposure to harmful online contents and relationships,
 5. The 3R method, commonly known as Reduce, Reuse, and Recycle, is a set of principles aimed to dispose electronic waste properly.
 6. Share resources and communication
 7. Router, Switch, Hub, Modem, Network Interface Card (NIC), Firewall
 8. Sequence, Selection, Repetition