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Third Term Test - Grade 9 - 2019

Name: Information and Communication Technology Time: 1.30hours

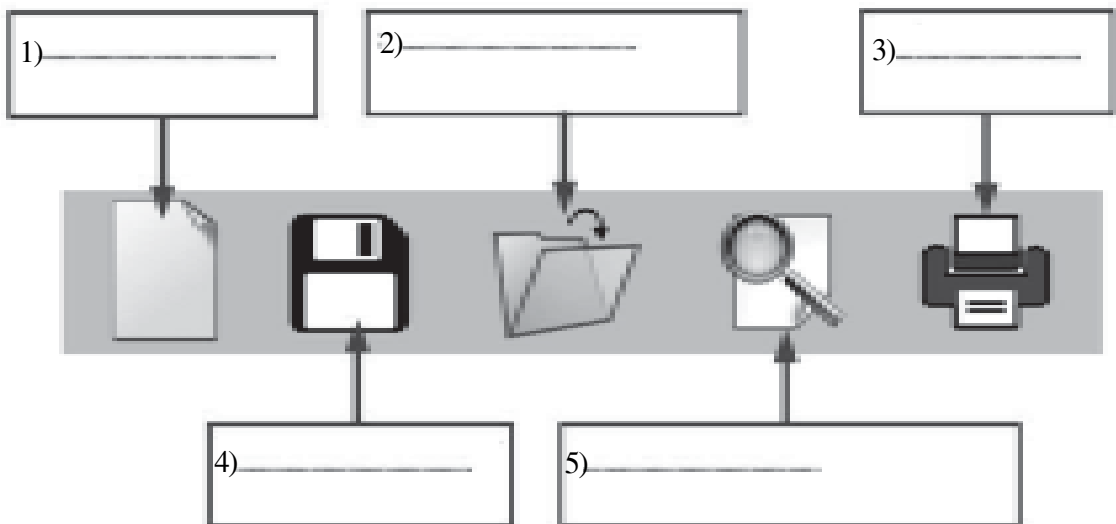
Answer all questions.

01) Match with the suitable words.

- 01. Programmer
02. Network Administrator
03. System Analyst
04. Web Developer
05. Computer Application Assistant

- A. Develops and maintains websites
B. Designs information systems
C. Uses office application packages for office related tasks
D. Develops computer programs
E. Manages and maintains computer networks

02) Select the most appropriate label relevant to the blank from the following figure and write the relevant English letter in the blank.



- A - Printing documents
B - Saving a document
C - Opening a document
D - Viewing the print preview
E - Getting a new workbook

03. Write the suitable answers for the following questions.

(i) Write two fields that have socially been changed with the development of Information and Communication Technology.

(1) (2)

(ii) Write two equipment that diagnose diseases in the field of health with the development of Information and Communication Technology

(1) (2)

(iii) E-waste can be minimized through 3R technique. What are the three concepts of 3R technique?

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04. Following spreadsheet segment shows the total expenditure of a week of five students in a certain school. Answer the following questions based on it.

| | A | B | C | D | E | F | G | H | I | J |
|----|----|---------|---------|---------|-----------|----------|---------|-------------------|---------|---------------------|
| 1 | No | Name | Monday | Tuesday | Wednesday | Thursday | Friday | Total expenditure | Average | Minimum expenditure |
| 2 | 1 | Ranidu | Rs25.00 | Rs32.00 | Rs18.00 | Rs20.00 | Rs15.00 | | | |
| 3 | 2 | Kaveen | Rs12.00 | Rs15.00 | Rs20.00 | Rs13.00 | Rs14.00 | | | |
| 4 | 3 | Thisari | Rs35.00 | Rs30.00 | Rs15.00 | Rs14.00 | Rs18.00 | | | |
| 5 | 4 | Sumudu | Rs41.00 | Rs24.00 | Rs11.00 | Rs16.00 | Rs20.00 | | | |
| 6 | 5 | Dasun | Rs21.00 | Rs16.00 | Rs13.00 | Rs13.00 | Rs18.00 | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |

(i) Write the function that should be written in cell H2 to find the total expenditure obtained by Ranidu within five days in the week

(ii) Write the function that should be written in cell I2 to find the average of total expenditure obtained by Ranidu

(iii) Write the function that should be written in cell J2 to find the minimum expenditure obtained by Ranidu

(iv) What is the value in A7 after inserting the function =COUNT(A1:A6) on it.

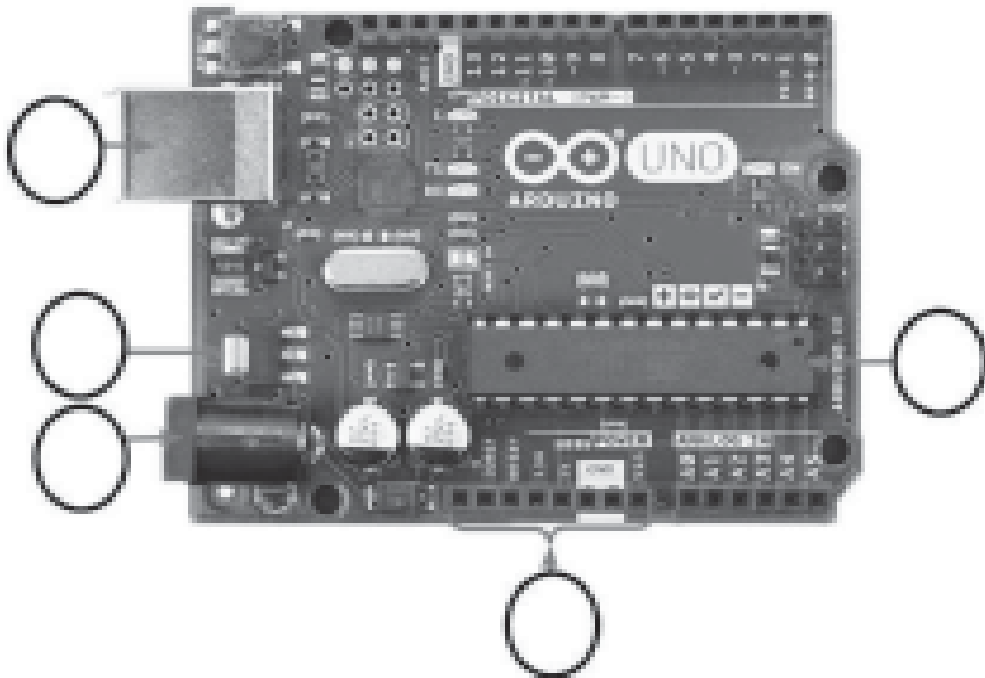
(v) Name two appropriate chart types to represent the total expenditure of all students within five days

05. (i) Write three sensors and controller equipment that you know.

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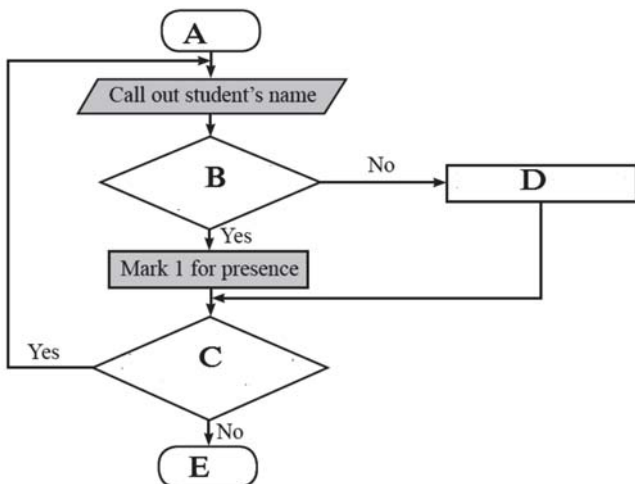
(ii) Name the parts of the Arduino board of the following figure. Use the number of the given list.

- | | |
|----------------|--------------------|
| 1. ATMEGA 328p | 4. Power Points |
| 2. MINI USB | 5. Power Regulator |
| 3. DC Power | |



06. Consider the marking attendance of students register. If the student is present, the register is marked with 1. If student is absent it is marked with 0. Find the suitable words to fill in the blanks of the flow chart from the list given below.

(End, Any more names to be called?, Begin, Mark 0 for absence, Is the student present?)



- A
- B
- C
- D
- E

07. Match A with B.

A

- (i) Router
- (ii) Switch
- (iii) RJ 45 Cable
- (iv) Server
- (v) Network Interface Card (NIC)

B



08. Fill in the blanks using the most appropriate words given below.

Hard Disk, Monitor, Warranty, Capacity, Secondary Storage, Ports, Speed

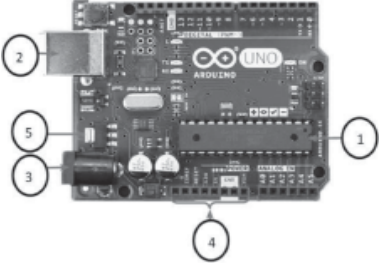
- (i) The of the processor is measured by the number of instructions executed per second.
- (ii) The main output device of a computer is
- (iii) The of the main memory is measured in units of Mega Byte (MB) or Giga Byte (GB).
- (iv) is an important factor to be considered when purchasing a computer.
- (v) are used to connect the peripheral devices to a computer.

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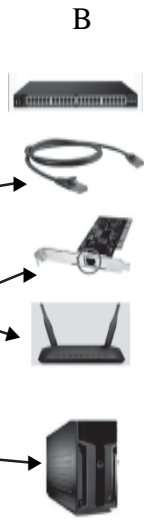
Third Term Test - Grade 9 - 2019

Information and Communication Technology

- 01. D E B A C (2 X5 =10)
- 02. 1-E 2-C 3-A 4-B 5-D (2 X5 =10)
- 03. (i) Education, Health, Bank ect. Give marks for any other relevant answers (2x2=4)
 (ii) ECG, EEG, CAT,Blood Pressure Measuring Machine etc(2x2=4)
 (iii) Reduce –Minimize purchase or collection of unnecessary goods
 Reuse –Use again and again after repairing it wherever possible
 Recycle - Handover to suitable agencies for recycling purposes (2 X3=6)
- 04. (i) SUM (ii) AVERAGE (iii) MIN (iv) 5
 (v) Column Chart, Bar Chart (3 X5=15)
- 05. (i) Washing Machine, Micro Wave Oven, Solar lamp (2 X3=6) (ii) (2 X5=10)



- 06. A – Begin
 B – Is the student No present?
 C – Any more names to be called?
 D – Mark 0 for absence
 E - End (2 X5 =10)
- 07. A



- (i) Router → [Wireless Router]
 - (ii) Switch → [Network Switch]
 - (iii) RJ 45 Cable → [RJ45 Cable]
 - (iv) Server → [Server Tower]
 - (v) Network Interface Card → [Wireless Network Card]
- (2 X5=10)

- 08. (i) Speed (ii) Monitor (iii) Capacity (iv) Warranty
 (v) Ports (3X5 =15)