



வலயக் கல்விய அலுவலகம் - வடமராட்சி  
Zonal Education Office - Vadamaradchy.

மூன்றாம் தவணைப் பரீட்சை - 2019 Third Term Examination - 2019

தகவல் தொடர்புமடல் தொழினுட்பவியல்


Information & Communication Technology






Grade : 9

Time : 2 Hours

Part - I

- Answer all the questions on this paper itself.
- In each question 1 to 20, pick one of the alternatives (1), (2), (3), (4) which is correct or most appropriate.

1. The person who maintains the system and finding & repairing the errors is called as,  
1. Software Engineer 2. Computer Application Assistant  
3. System Analyst 4. Hardware Technician
2. Which of the following is called as brain of the computer?  
1. Mother board 2. CPU 3. Hard disk 4. RAM
3. Which of the following device function as both input and output device?  
1. Microphone 2. Touch screen 3. Monitor 4. Touchpad
4. The Speed of the processor is measured in Hz. Which of the following is equivalent to 1 GHz?  
1. 100 MHz 2. 1024 MHz 3. 1000 MHz 4. 100 KHz
5. Which of the following is **not** a licensed operating system?  
1. Linux 2. DOS 3. Windows 4. iOS
6. Which of the following device cannot be connected through USB port?  
1. Web camera 2. External Hard Disk 3. Mouse 4. Router
7. Which of the following is **can not be considered** as a technical specification of a computer?  
1. Computer Price 2. Monitor Size  
3. Processor Speed 4. Hard Disk Capacity
8. The tool denoted by given figure is,   
1. Save 2. Copy 3. Open 4. Print preview
9. Which of the following symbol is **not** used in to write a formula an electronic spread sheet ?  
1. + 2. \* 3. x 4. /
10. Which of the following device doesn't have the micro controller?  
1. Solar Lamp 2. Washing machine 3. ATM 4. Microwave oven

11. Which of the following is **not** a social issue related with using of ICT?
1. Electronic wastage
  2. Digital Divide
  3. Computer related jobs
  4. Over usage of social Medias
12. Which of the following is considered as a graphic port?
1. VAG
  2. HDMI
  3. RJ 45
  4. USB
13. The father of Internet,
1. Mark
  2. Tim Berners Lee
  3. Charles Babbage
  4. Newton
14. Which of the following is an example for web browser?
1. Google
  2. Google chrome
  3. Bing
  4. Ask
15. The last version of Internet Explorer is,
1. Opera Mini
  2. Google
  3. Microsoft Edge
  4. Mozilla Firefox
16.  The given symbol is used to represent the,
1. Bluetooth
  2. Wi-Fi waves
  3. Infrared waves
  4. Radio waves
17. The expansion of NIC related to computer network is,
1. Network Interface Card
  2. National Identity Card
  3. Network International Card
  4. Network Internet Card
18. Which of the following block tab includes the command blocks pertaining to communicate among the sprites?
1. Control
  2. Looks
  3. Motion
  4. Data
19. The **incorrect** sentence about the Scratch Programming?
1. Scratch programme can be downloaded from internet for free of charge.
  2. Instructions can be connected to each other in order to develop a programme.
  3. Sequence control structure decides the flow direction according to the decision.
  4. Variables are used to store a value in a programme.
20. Which of the following comparison block is not used in Scratch ?
1. 
  2. 
  3. 
  4. 

(20X2= 40 Marks)

**Part –II**

- **First question is compulsory.**
- **Answer First question and any other two questions only.**
- **Each question carries 20 marks.**

**[Q1]**

1. Write down the types of monitor according to the technology used by them? (1.5 Marks)

.....

.....

2. Give three examples for personal computer.

.....

.....

.....(1.5 Marks)

3. By using the spreadsheet given below, write down the correct answers for the fomulas given in the table.

	G	H	I
1	12	9	2
2	6	3	
3	8	5	

Formula	Answer
=H1/H2*I1	
=G1+H3/H3	
=G1*I2-H3	
=H2+G3-I1*H3	

(4 Marks)

4. Write down one example for each type of processors given in the table below.

Type	Example
Single Core	
Dual Core	
Quad Core	

(1.5 Marks)

5. What do you mean by ‘Digital Divide’ ?

.....

.....

.....(1.5 Marks)

6. Write the difference between algorithm and flow chart? (1 Marks)

.....

7. Write the following scratch array name and its number of elements?



Name of the array :.....

Number of elements :.....

(2X 0.5 = 1 Mark)

8. Write the name of the following devices? (4 Marks)


9. Write the expansion for given abbreviation. (3X0.5 = 1.5 Marks)

i. WWW:.....

ii. ISP:.....

iii. CLI:.....

10. i) Name the concept of disposal of e-waste without any threats to the environment ? (1 Mark)

.....

ii) Write down those methods? (3 X 0.5 = 1.5 Marks)

.....

.....

.....

**Q2.**

1. Write the names of the computer devices labeled as A to H in the following figure.



A: .....

B: .....

C: .....

D: .....

E: .....

F: .....

G: .....

H: .....

(8 X 0.5 = 4 Marks)

2. The ports of a sound cards use standard colour scheme for identification purpose. write an appropriate activity or connecting device for these colours?

i. Light green : .....

ii. Light pink : .....

iii. Light blue: .....

(3 X 0.5 = 1.5 Marks)

3. Write down 5 peripherals which can be connected through USB port?

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

(5 X 0.5 = 2.5 Marks)

4. Given below are technical specifications about two computers A and B. Compare them and answer the questions.

Specification	Computer A	Computer B
Type of Processor	Intel <sup>R</sup> Core <sup>TM</sup> i3 2.40 GHz	AMD <sup>R</sup> Core 2.0 GHz
Capacity of main memory	4 GB	2 GB
Capacity of Hard Disk	1 TB	500 GB
Operating System	Windows 10	Ubuntu
Size and type of monitor	17" LED	19" CRT
Period of warranty	1 Year	3 Years

i. Name the manufacturer of the processor of computer A?

.....(2 Marks)

ii. Which computer has a main memory with a high capacity?

.....(2 Marks)

iii. Which computer has a hard disk with a less storage capacity?

.....(2 Marks)

iv. Which computer may have high cost?

.....(2 Marks)

v. Give three possible reasons for the your answer in (iv)

.....  
 .....  
 .....(3 Marks)

vi. Write a non-technical specifications given in table?

.....  
 .....(1 Marks)

**Q3.**

The following spreadsheet contains information about the marks obtained by Grade 9A students in the second term.

	A	B	C	D	E	F	G	H	I	J	K
1	<b>Second Term marks 2019</b>										
2			N	NAME	Maths	Tamil	English	Science	Religion	Total	Average
3			1	Peter	76	45	66	85	43	315	63
4			2	Ruwan	45	76	43	65	67	296	59.2
5			3	Geetha	47	94	AB	43	74	258	51.6
6			4	Jothy	AB	69	41	75	76	261	52.2
7			5	Laxmi	63	58	32	89	67	309	61.8
8			6	John	76	93	54	64	53	340	68
9			7	Pritha	37	77	49	45	68	276	55.2
10			8	Rithvika	87	64	77	56	74	358	71.6
11			9	Kavin	65	82	86	76	73	382	76.4
12			10	Ganesh	89	64	78	34	93	358	71.6
13				Heigst marks	89	94	86	89	93		
14				lowest marks	37	45	32	34	43		
15				Total number of student	10	10	10	10	10		
16				No of present students	9	10	9	10	10		
17											

- Write a spreadsheet function to be written in column J3 to calculate the total marks of Peter?  
..... (2 Marks)
- Write a spreadsheet function to be written in column K8 to calculate the average marks of John?  
..... (2 Marks)
- Write a spreadsheet function to be written in column E13 to find calculate the highest marks in Maths subject?  
..... (2 Marks)
- Write a spreadsheet function to be written in column G14 to find the minimum marks in English subject.  
..... (2 Marks)
- Write a spreadsheet function to be written in column I16 to calculate the number of students sat for the Religion exam?  
..... (2 Marks)
- Write a spreadsheet function to be written in column E15 to calculate number of students in the class.  
..... (2 Marks)
- Write the steps to find the total marks of other students by using the function written in column J3.  
..... (2 Marks)

8. Write the steps to arrange the total marks in ascending order.

.....  
.....  
..... (3 Marks)

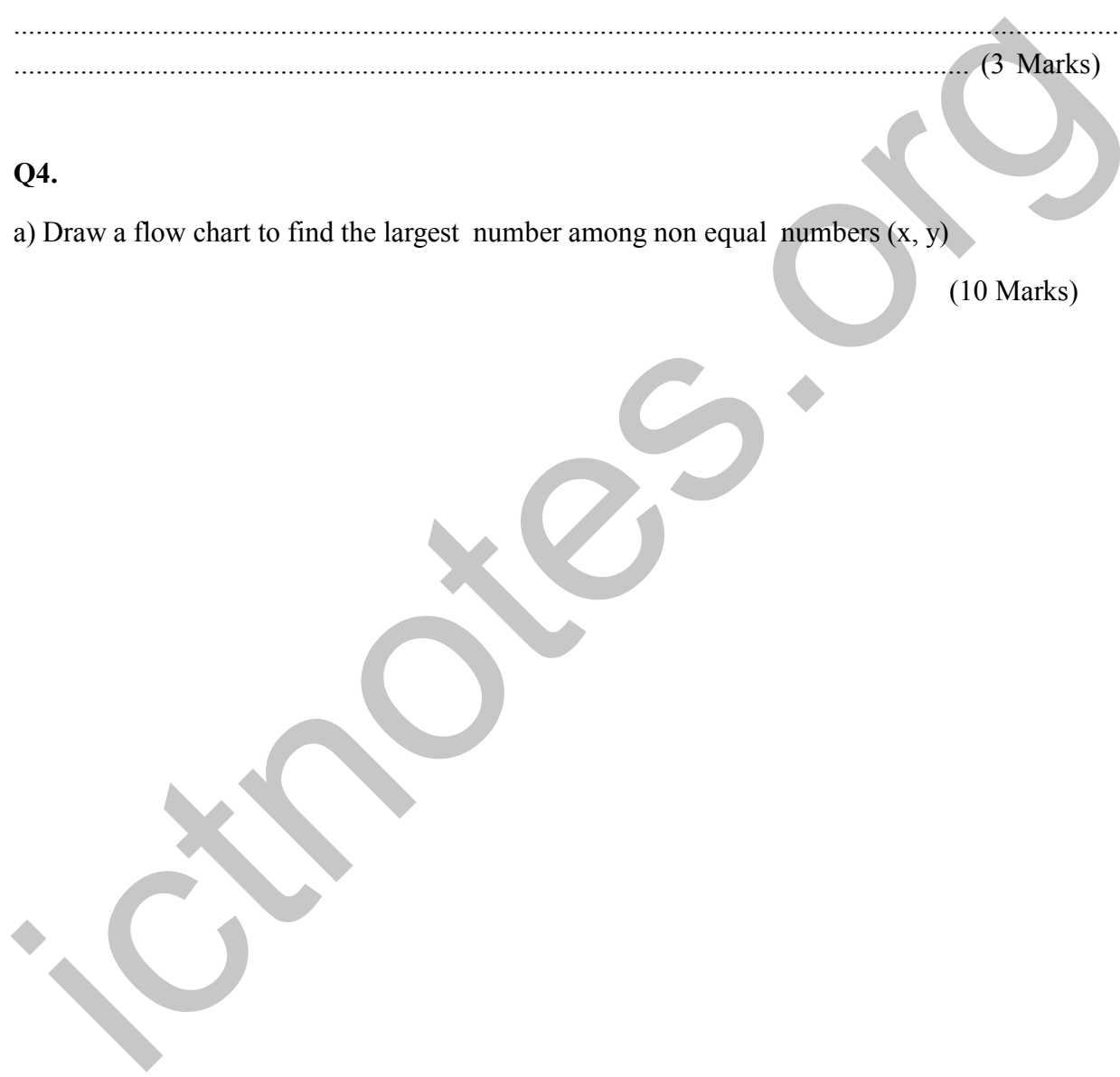
9. Write the steps to save the spreadsheet with “Grade 9” on the folder of “second term” in desktop ?

.....  
.....  
..... (3 Marks)

**Q4.**

a) Draw a flow chart to find the largest number among non equal numbers (x, y)

(10 Marks)





b) A scratch programme is given to find the largest number among non equal numbers (x, y). write the appropriate items labeled as 1 to 5 ?

```

when clicked
ask 1 and wait
set x to answer
ask 2 and wait
set y to 3
if x > y then
say 4
else
say 5
    
```

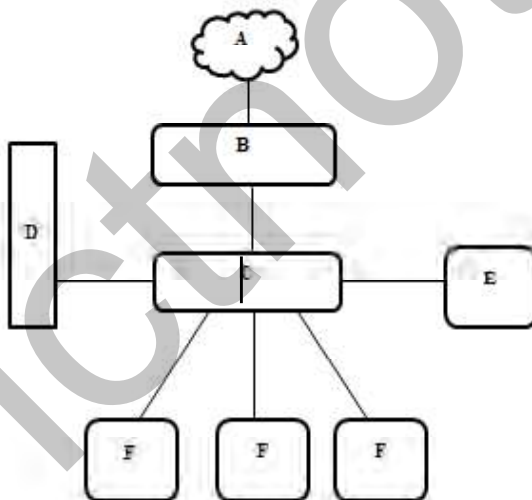
1	
2	
3	
4	
5	

(5 x 2 = 10 Marks)

**Q5.**

i) Given below is a block diagram of a computer network. Write the names of the devices labeled as A to F by using given list.

Switch, Internet, Printer, Router, Server Computer



- A:.....
- B:.....
- C:.....
- D:.....
- E:.....
- F:.....

(6x1 = 6 Marks)

ii) What do you mean by 'telemedicine'?

.....  
.....  
..... (3 Marks)

iii) Write 3 job opportunities that are available in the field of ICT.

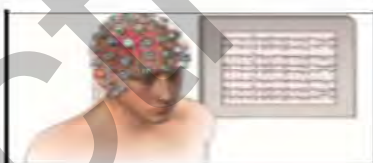
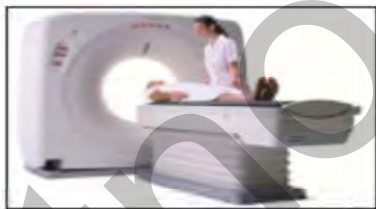
.....  
..... (3 Marks)

iv) Write 3 advantages of computer network.

.....  
..... (3 Marks)

v) Given below are some machines used to diagnose diseases. Match them according to the uses. . (5 Marks)

**Machine**



**Use**

Blood pressure testing machine

ECG

CAT

EEG

Blood sugar testing machine