10 ශ්‍රේණිය - (පළමු වාර) විශේෂ ඇගයීම - 2022

தரம் 10 - விசேட மீளாய்வு - 2022

Grade 10- Special Evaluation(First Term) - 2022

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I.C.T I

පැය එකයි

One hour

Instructions:

(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) *Total marks will be Forty (40) for Part I*

1. ....(A)........... can be described as a set of ....(B)........... ....(C)........... .
   The suitable terms for (A) , (B) and (C) respectively,
   (1) Data, Information, Processed
   (2) Information, Processed, Data
   (3) Processed, Data, Information
   (4) None of the Above.

2. The **three main components** of a system are,
   (1) Input, Process, Output
   (2) Input, Process, Storage
   (3) Input, Storage, Output
   (4) Process, Storage, Output

3. Select the **CORRECT STATEMENT** regarding the following code types A and B *(figure 1)*

Figure 1

0112588249

   (1) A is mainly used to store information such as *item names* etc.
   (2) Both **A** and **B** code can be used to store numerical values (1,2,3… etc.)
   (3) Both **A** and **B** can be read by using the same handheld code reader.
   (4) Both **A** and **B** can be used to store a web address.

4. A 'fingerprint attendance system' is used in a certain company to record the daily attendance of employees. First, the employer has to touch the fingerprint scanner, then the system will automatically identify the employer by searching the database and match the current fingerprint with each stored fingerprint. Once it's identify the employer, the system will show a message on the display screen, and it'll record the details of the user in an excel document.
   Identify the *input, process, output* and *storage* respectively,
   (1) Scans the finger, search the database, identify the employer, display a message.
   (2) Scans the finger, search the database, display a message, record the details.
   (3) Identify the user, search the database, match fingerprint, record the details.
   (4) Scans the finder, record the details, search the database, display a message.

5. An example for *'Qualitative Data'*?
   (1) Credit Card Number
   (2) Telephone number
   (3) Price of an item
   (4) Temperature in a city

5. What is **NOT** a *quality of information*?
   (1) Relevancy (2) Timeliness (3) Transparency (4) Accuracy

6. Select the **INCORRECT STATEMENT** of the following,
   (1) The use of ICT to order medicine from a pharmacy via telephone is called, 'Telemedicine'
   (2) LMS can be used to upload assignments for students to do at home.
   (3) Building unsuitable friendships through social media is a demerit of ICT
   (4) Providing the facility to pay utility bills online is a G2C service.

7. An example for *both Data & Information*?
   (1) The name and the price of a pen
   (2) Average income of a household
   (3) Tomorrow's weather forecast, including today's rain shower details.
   (4) Colours of books.

8. An example for *quantitative data*?
   (1) Color of an object
   (2) Telephone Number
   (3) Web address
   (4) Age

9. What are the **negative effects** that ICT could offer if it is used in an *undue manner*?
   (1) Addiction to computers / mobiles
   (2) Negative effects of psychology by visiting improper websites
   (3) Computers could get infected by viruses due to improper use of the internet.
   (4) All of the above.

10. The *First Adding machine* is known as,
    (1) Abacus (2) Pascaline (3) Mark I (4) ENIAC

11. The *Pascaline* is used to calculate?
    (1) Additions and Multiplications
    (2) Multiplication and Division
    (3) Additions and Subtractions
    (4) Additions, Subtractions and Divisions

12. .... Is known as the *Father of computers*.
    (1) Blaise Pascal (2) Charles Babbage (3) Bill Gates (4) Ada Lovelace

13. *Charles Babbage* was able to build,
    (1) The Analytical Engine
    (2) The Pascaline
    (3) The Adding Machine
    (4) The Difference Engine

14. The *World's First Programmer* is known as,
    (1) Joseph Jacquard
    (2) Charles Babbage
    (3) Steve Jobs
    (4) None of the above.

15. What is the Major Hardware Technology used in *first generation computers*?
    (1) Microprocessors
    (2) Transistors
    (3) Vacuum Tubes
    (4) Integrated Circuits

16. This device *(figure 1) is* the Major Technology Component in *(figure 1)*?
    (1) 1st Generation
    (2) 2nd Generation
    (3) 3rd Generation
    (4) 4th Generation
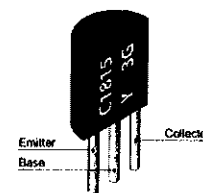
Figure 1

17. Select the **INCORRECT STATEMENT** of the following,
    (1) 'Very Large Scale Integrated Circuits' (VLSIC) was used in the 4th Generation.
    (2) OS with GUIs started to use from the 4th Generation.
    (3) The excessive heat was a significant drawback in transistors
    (4) 'Stored Program Concept' was first used in 1st Generation computers.

18. The major technology component of the *ENIAC Computer* was,
    (1) Transistors
    (2) Vacuum Tubes
    (3) Integrated Circuits (IC)
    (4) None of the above.

19. Keyboard and mouse were started to use in,
    (1) 1st Generation computers
    (2) 2nd Generation computers
    (3) 3rd Generation Computers
    (4) 4th Generation Computers

20. Which is **NOT** considered as a *medical diagnosis device*?
    (1) MRI   (2) EEG   (3) MCR   (4) CAT

21. Select the **INCORRECT** statement regarding *using Robots in manufacturing industrial technology*?
    (1) Helps to manufacture high-quality products at a low price.
    (2) Minimizing the use of human labour.
    (3) Higher efficiency & accuracy.
    (4) Providing more job opportunities for people.

22. What is the **INCORRECT** statement regarding *online shopping*?
    (1) The ability to withdraw money at anytime using ATMs.
    (2) A buyer can order goods and services from a single place and pay online.
    (3) Less risk when paying online for goods.
    (4) Opens 24 hours a day.

23. *MARK I* was invented by,
    (1) Howard Aiken
    (2) Joseph Jaquard
    (3) Charles Babbage
    (4) Ada Lovelace

24. *UNIVAC* computer mainly consists,
    (1) Vacuum Tubes
    (2) Transistors
    (3) Mechanical Relays
    (4) Integrated Circuits

26. What are the **shortcut key combinations** use in a Word Processing Software to *Copy & Paste a text* respectively?
(1) Ctrl + X, Ctrl + C
(2) Ctrl + C, Ctrl + P
(3) Ctrl + C, Ctrl + V
(4) Ctrl + X, Ctrl + P

25. Which of the following format **IS NOT** a supportive file extension for *Word Processing Software*?
(1) .rtf
(2) .ppt
(3) .odt
(4) .docx

26. Which of the following **IS NOT** an example of a *Smartphone Word Processing app*?
(1) Polaris Office
(2) Google Docs
(3) AbiWord
(4) Keynote

27. Select the **INCORRECT STATEMENT** below regarding *methods of selection* in *Word Processing Software*?
(1) To select a sentence, double-click the first word of the sentence.
(2) To select a paragraph, triple-click a word in the paragraph.
(3) To select a paragraph, click the first word of the paragraph and drag till the last word.
(4) To select content in the entire document, Drag the mouse pointer till you see a right arrow which is white. Then click it thrice.

28. The use of the below button in a *Word Processing Software* is *(figure 2)*?
(1) Increase Indent
(2) Add a new paragraph
(3) Decrease Indent
(4) Add a new line

Figure 2

29. Which of the following will be the result if you hit **(Ctrl+Backspace)** keys while typing a document in *Word processing software*?
(1) It deletes the letter to the left of the cursor.
(2) It deletes the letter to the right of the cursor.
(3) It deletes the word portion to the left of the cursor.
(4) It deletes the word portion to the right of the cursor.

30. Consider the following facilities available in a **Word Processing package**.
A – Landscape   B – Layout   C – Portrait
Which of the above are used to *set paper orientation*?
(1) A and B only
(2) A and C only
(3) B and C only
(4) All A, B and C

31. Which of the following contains the features of third-generation computers?
(1) Transistor, Assembly Language, Low Electricity usage
(2) Vacuum tubes, Machine Language, High Heat generation
(3) Microprocessor, Graphical User Interface, Portability
(4) Integrated Circuits, Use of High-Level languages for coding, Low Electricity consumption

32. A computer with high calculating power, large in size, expensive and rare, and used for scientific research and to solve complex arithmetic operations is known as?
(1) Mainframe Computer
(2) Supercomputer
(3) Minicomputer
(4) Micro Computer

33. Which of the following devices can be used respectively to **input drawings and characters?**
    (1) Keyboard, Mouse   (3) Digitizer, Microphone
    (2) Mouse, Keyboard   (4) Mouse, Light Pen

34. Select the **INCORRECT STATEMENT** below regarding *Mail Merge* in *Word Processing Software.*
    (1) Mail merge facility in word processing software can create the same greeting card for different people.
    (2) The document of a few pages that were created using Word Processing can be orientated only in one direction.
    (3) Word processing software can insert the page number.
    (4) The file extension of the new word processing software is .docx

35. The word 'sum" in a *Word Processing document* has been typed as "some" in numerous places. What is the facility for correcting the error?
    (1) Delete and Re-type   (3) Auto correct
    (2) Find and replace   (4) Change Case

36. **'MICR'** stands for
    (1) Magnetic Ink Character Reader   (3) Magnetic Ink Character Recognition
    (2) Magnetic Ink Code Reader   (4) Microphone

37. Consider the following statement and identify the *feature* applied to **'th'** in it.
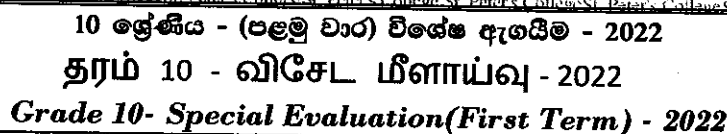
We went on the first day of the last weekend, which was 17th of October.

    (1) Superscript   (2) Subscript   (3) Change Case   (4) Upper Case

38. **Ctrl+H** shortcut is used in *Word Processing* for?
    (1) Replace Words   (3) Find a word
    (2) Open a document   (4) Highlight a word

✳   ✳   ✳

| | | E | II |

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தரம் 10 - விசேட மீளாய்வு - 2022

Grade 10- Special Evaluation(First Term) - 2022

තොරතුරු හා සන්නිවේදන තාක්ෂණය **II**

I.C.T II

පැය එකයි

One hour

Instructions:
(i) Answer **all** Questions.
(ii) Each question carries twenty **20** marks.
(iii) Use **one new page** for each new question.
(iv) Show your work **on the paper itself.**
(v) Total marks will be Sixty **60** for Part II

1.

(i) Write **two (02) qualities of Information** and give *one (01) example* for each.

(ii) Classify computers **according to the technology** and give *one (01) example* for each.

(iii) Give *two (02) examples* on how **ICT serves as a teaching aid for the teacher.**

(iv) Name *four (04) services* where *Learning Management System* provide services for the management, and for the student. (two services for management and two services for students)

(v) Write *two (02) features* of **Distance Learning**?

(vi) Explain the use of **Magnetic Resonance Imaging Machine** *(MRI)* and **Electrocardiogram** *(ECG)* **machine** in medicine.

(vii) Name *two machines/devices* which are used in **Agricultural field** related to ICT?

(viii) Name an **input device** which can be used to *mark attendance of the employees of a company*?

(ix) Choose the **MOST SUITABLE** example for the labelled items below. *Write only the label name and the example.*

A – Pointing Device   B – Output Device
C – Text Recognition Device   D – Biometric Device
(List – BluRay Disc, Multimedia projector, RAM, OCR, Barcode Reader, Light Pen, Magnetic Tape, Digital Camera, Iris Scanner, OMR)

[see page two

(x)   State whether the following statements given A, B, C, and D are TRUE or FALSE. *Write only the letter (A,B,C or D) and True or False.*
A - ALU provide instructions/commands to all the devices of the computer system.
B – All the software is stored in the Primary Memory, and when it executes, it will move to the Secondary Memory.
C - Analogue computers can identify environmental parameters such as temperature and voltage.
D – The capacity of the Memory Register is higher than the Primary Memory.

2. Study the following picture of the functioning computer system *(figure 1)* and answer the questions given below.
    (i)   Write the relevant names for the labels given as letters (ABCDEFGH).
    (ii)   Which component is used to store data temporarily which are required by the CPU?
    (iii) Briefly Explain the functionality of G and F?
    (iv)   Write two examples(devices) each for C, B and D?
    (v)   Write an advantage of using the component E in a Computer system?
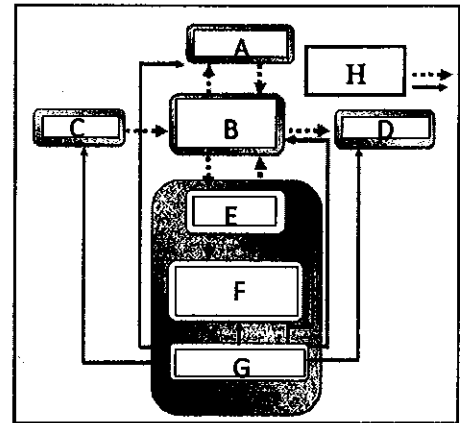   (vi)   Briefly describe one (01) feature of a computer.

Figure 1

3. The following are some icons can be found in Word Processing software *(figure 2)*.

A.	B.	C.	D.	E.	F.
A A	Aa ▾		ABC ✓		

Figure 2

(i)   Name these icons and write the functionality of each icon with the relevant letter.
(ii)   Write four (04) advantages of *Cloud Computing Software*?
(iii) Name two examples of Word Processing software.
(iv)   Write two (02) advantages of using *Mail Merge*.

✳   ✳   ✳