PHYSICS

BOOKS - TARGET PUBLICATION

INFORMATION COMMUNICATION TECHNOLOGY (ICT)

Exercise

1. Choose the correct alternative

_____is the most important device for

information communication.

A. Computer

B. Mobile

C. Television set

D. Radio

Answer: A

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2. Choose the correct alternative

The computer is a type of first generation computer.

A. Macintosh

B. ENIAC

C. IBM 1620

D. Windows

Answer: B

3. Choose the correct alternative

Which is NOT a part of central processing unit?

A. Memory unit

B. Control unit

C. ALU unit

D. Keyboard

Answer: D

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4. Choose the correct alternative

The information stored in_____ can only be read.

A. DOS

B. RAM

C. ROM

D. ALU

Answer: C

5. Choose the correct alternative

The first Indian supercomputer made with the help of C-DAC was _____.

A. ENIAC

B. Param

C. IBM 1401

D. Macintosh

Answer: B

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6. Complete the paragraph

Complete the following paragraph by using the correct alternatives given in bracket.

(Pune, Vijay Bhatkar, Param, research, supercomputer, Advanced Computing)

C-DAC, the well-known Centre for Development of____ Situated in_____. is the leading institute in India which conducts _____in the field of computers. The first Indian was _____made with help from this institute. Valuable guidance for making this computer,

named the computer, was received from the senior scientist _____.

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7. Name the following

What do the followig abbreviation stand for ?

RAM

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8. Name the following

What do the followig abbreviation stand for ?

ROM

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9. Name the following

What do the followig abbreviation stand for ?

DOS

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10. Name the following

What do the followig abbreviation stand for ?

C-DAC

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11. Name the following

What do the followig abbreviation stand for ?

ISCII

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12. Name the following

What do the followig abbreviation stand for ?

PDF

13. True or False

If false, write the correct sentence

The advances in science and technology do not affect the store of information.

14. True or False

If false, write the correct sentence

The computer is considered to have gone through five generations.

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15. True or False

If false, write the correct sentence

We can use computer without its operating system.

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16. True or False

If false, write the correct sentence

In Microsoft Powerpoint, the 'Animation' tab is used to design the slide.

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17. True or False

If false, write the correct sentence

Software consists of all the electronic and mechanical parts used in computers.

18. Odd one out

Printer, monitor, speaker, mouse

19. Odd one out

Microsoft Word, Microsoft Excel, Microsoft

Powerpoint, CPU

20. Complete the analogy

RAM : Random Access Memory:: ROM: _____

21. Complete the analogy

Documents : Microsoft Word: Graphs: _____

22. Matcht the following

Match the names given in Group A with their description in Group B

	Group 'A'		Group 'B'
i.	Read Only Memory	a.	Means of communication between the computer and the user
ii.	Operating System	b.	Group of commands to be given to a computer
iii.	Program	c.	Information in its raw (unprocessed) form
iv.	Data	d.	Changes cannot be made to the original information in this memory

23. Answer the following

What do you mean by Information Communication Technology?

24. Answer the following

Write a note on first generation of computers?

25. Answer the following question:

How does a computer work?

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26. Answer the following

What is an input device?

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27. Answer the following

Give two examples of input device.

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28. Answer the following

What is an output device?

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29. Answer the following

Give two examples of output device.

▶ **Watch Video Solution**

30. Answer the following

What is the difference between an input device and an output device?

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31. Answer the following

What is known as the memory of the computer?

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32. Answer the following

What are the different types of memories in the computer?

> ▶ **Watch Video Solution**

33. Answer the following

What is the difference between RAM and ROM?

> ▶ **Watch Video Solution**

34. Answer the following

What is an operating system?

> ▶ **Watch Video Solution**

35. Answer the following

What do mean by hardware in reference to computers?

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36. Answer the following

What is known as software in a computer?

▶ **Watch Video Solution**

37. Answer the following

What is the difference between hardware and software in a computer?

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38. Answer the following

What precautions should be taken while using various types of software on the computer?

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39. Answer the following

What precautions showing be taken while enterting data in Microsoft Excel?

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40. Answer the following

What is an Internet Explorer?

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41. Answer the following question:

Which are the various devices used in communication of information? How are they used in the context of science?

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42. Answer the following

What devices will you use to share with others the knowledge that you have?

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43. Which technical difficulties did you face while using the computer? What did you do to overcome them?

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44. Answer the following

Explain the role and importance of information communication in science and technology.

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45. Answer the following

What are the different opportunities in the software field of computers?

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46. Give reasons

Justify the following statements.

The first generation computers used to shut down because of excessive heat.

47. Give reasons

A computer will not work unless electricity is supplied to it.

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48. Give reasons

While working with a computer we can read the information stored in its memory and perform other actions in internal memory.

49. Give reasons

To draw graphs based on the quantitative information obtained in an experiment, one uses Microsoft Excel.

50. Give reasons

While presenting pictures and videos about

the work of scientists, we can use Microsoft Powerpoint.

51. Questions based on paragraph

The important parts of computer include the Input unit, the Central Processing Unit (CPU) or the processor and the Output unit. The Input unit is used to enter information or data into the computer. Some of the devices used for input include the keyboard and the

scanner. On the other hand, the Output device is used for Providing the result / solution / answer to the user. Generally a monitor or printer is used as an output unit. The Processing unit consists of a memory unit, control unit and ALU i.e. arithmetic logic unit. The Processing unit receives the input in form of instructions, executes each instruction in a specific order and provides the output to the user.

What are the important parts of a computer?

52. Questions based on paragraph

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control unit and ALU i.e. arithmetic logic unit.

The Processing unit receives the input in form of instructions, executes each instruction in a specific order and provides the output to the user.

What is the main function of the input unit?

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53. Questions based on paragraph

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or the processor and the Output unit. The Input unit is used to enter information or data into the computer. Some of the devices used for input include the keyboard and the scanner. On the other hand, the Output device is used for Providing the result / solution / answer to the user. Generally a monitor or printer is used as an output unit. The Processing unit consists of a memory unit, control unit and ALU i.e. arithmetic logic unit. The Processing unit receives the input in form of instructions, executes each instruction in a specific order and provides the output to the

user.

What is the main function of the output unit?

54. Questions based on paragraph

The important parts of computer include the Input unit, the Central Processing Unit (CPU) or the processor and the Output unit. The Input unit is used to enter information or data into the computer. Some of the devices used for input include the keyboard and the

scanner. On the other hand, the Output device is used for Providing the result / solution / answer to the user. Generally a monitor or printer is used as an output unit. The Processing unit consists of a memory unit, control unit and ALU i.e. arithmetic logic unit. The Processing unit receives the input in form of instructions, executes each instruction in a specific order and provides the output to the user.

What is the main function of the Processing unit? What are its important parts?

55. Which devices do we use directly or indirectly for collecting, sharing, processing and communicating information?

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56. How is information communication technology important for dealing with the explosion of information?

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57. Complete the table.

The following table has names of some ICT devices. Complete the table based on the questions asked. Also, enter the names of any additional devices that you know of.

Name of the device	What is it used for?	Where is it used?	Benefits from its use.
Computer / laptop			
Mobile			
Radio			
Television set			

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58. The entry of computers in all fields in this age of technology has been possible only due to the increased speed of computers. In which fields of work do we see computers being used?

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59. Answer the following question:

How does a computer work?

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60. Make a list of the various hardware and software items of a computer and discuss their working in the class.

61. Choose the correct alternative

Which of the following parts were used in the construction of first generation computers?

A. Integrated circuits

B. Transistors

C. Valves

D. Microprocessors

Answer:

62. Choose the correct alternative

Which of the following is most essential for

the functioning of a computer?

A. Scanner

B. External memory

C. Mouse

D. Operating system

Answer:

63. Choose the correct alternative

In which of the following programs the

formula function can be used calculations by typing '=' first in the cell?

A. Microsoft Word

B. Microsoft Excel

C. Microsoft Powerpoint

D. Portable Document Format file

Answer:

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64. Choose the correct alternative

The information stored in_____ can only be read.

A. DOS

B. RAM

C. ROM

D. ALU

Answer:

65. Answer the following.

State true or false. I false, write the correct sentence.

Data is the information in its processed form.

66. Answer the following.

Mateh the following.

	Type of device		Name of device
a.	Input device	1.	Monitor
b.	Output device	2.	CPU
		3.	Scanner

67. Answer the following.

Name the first Indian supercomputer made with the help of C-DAC

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68. Answer the following.

Find the odd man out.

RAM, ROM, External memory, ALU

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69. Answer the following.

What do you mean by PDF? What are its uses?

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70. Answer the following.

How will you open a new blank slide to prepare a presentation in Microsoft Powerpoint?

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71. Answer the following

What devices will you use to share with others

the knowledge that you have?

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72. Answer the following.

Write important features of Microsoft Word.

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73. Answer the following.

Write important features of Microsoft Excel.

> ▶ **Watch Video Solution**

74. Answer the following.

Mention precautions to be taken while entering data in Microsoft Excel.

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75. Answer the following.

What are the parts of the computer? Explain.

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76. Answer the following.

Write about the different types of memories in

the computer?

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