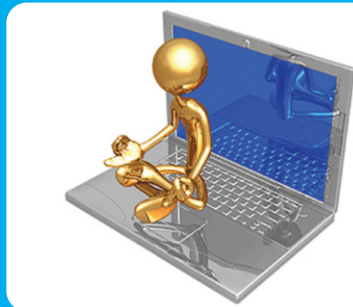


EtG

# OLYMPIAD EXPLORER



Workbook for

International **CYBER** Olympiad  
National/International Olympiads/Talent Search

Based on CBSE, ICSE, GCSE, State Board Syllabus & NCF (NCERT)

100's of Q's with answers

- Chapterwise Practice Q's
- Revision Q's
- Sample Paper



Class

2

## EDUHEAL FOUNDATION

### • LEARNING FOR LIFE

EduHeal Foundation conducts 5 Olympiads annually reaching  
• 4 Lakh + Students • 50,000 Coordinating Teachers and having  
in English / Maths / Science / Biotech / Computer & 300 R

PRIZES



WORKSHOP • TEACHER TRAINING PROG. • MAGAZINE/LAB GRANT • PRINCIPAL LEADERSHIP AWARD.

# Contents

S.No.	Chapters	Page No.
1.	Computers Environment .....	1
2.	Parts of a Computer .....	4
3.	Application of Computers .....	8
4.	Start & Shut down a Computer .....	11
5.	Keyboard .....	15
6.	Input/Output Device .....	21
7.	MS-Paint .....	25
8.	Miscellaneous .....	33
9.	Revision Questions .....	36
10.	ICO Sample Paper .....	43








## SYLLABUS GUIDELINES

**Based on CBSE, ICSE & GCSE Syllabus  
& NCF guidelines revised by NCERT.**

Computers Environment; Parts of a Computer; Application of Computers; Start & Shut down a Computer; Keyboard; Input/Output Device; MS-Paint; Miscellaneous.



**Q.1.** Which of the following is the correct match :

- |   |                                     |
|---|-------------------------------------|
| (a)  | (i) Shows films                     |
| (b)  | (ii) Helps us to conversation       |
| (c)  | (iii) Takes you to different places |
| (d)  | (iv) Plays music                    |
| (e)  | (v) Shows the time                  |

**Q.2.** Can the machines work on their own ?

- |                |                   |
|----------------|-------------------|
| (a) It is True | (b) It is False   |
| (c) Can't say  | (d) None of these |

**Q.3.** Machines do not run on their own. They need energy where do they get their energy from :

- |           |                           |
|-----------|---------------------------|
| (a) Apple | (b) Electricity / battery |
| (c) Gas   | (d) None of these         |

**Q.4.**  is a machine that can the perform only one function.

What it is?

- |                        |                     |
|------------------------|---------------------|
| (a) Shows you the time | (b) Dances with you |
| (c) Sings for you      | (d) Cooks for you   |

**Q.5.** What does the computer need to function ?

- |                 |                   |
|-----------------|-------------------|
| (a) Water       | (b) Food          |
| (c) Electricity | (d) None of these |

**Q.6.** How is a computer different from the other machines ?

- |   |
|---|
| (a) A computer can do several things        |
| (b) You can only print from a computer      |
| (c) You can only type letters on a computer |
| (d) None of these                           |

**Q.7.** True or False.

- (a) A computer can run a marathon
- (b) A computer can solve Math sum
- (c) A computer can check spelling of words
- (d) A computer can cook food for you
- (e) A computer can be used to play games
- (f) A computer can be used to write letters

**Q.8.** A computer does not make mistakes.

- (a) It is True (b) It is False
- (c) Can't say (d) None of the above




**Q.9.** Can a computer get tired ?

- (a) Yes (b) No
- (c) Can't say (d) None of these

**Q.10.** Which of these statement is not correct?

- (a) A computer can work out large sum in seconds
- (b) A computer can search for any information very fast
- (c) A computer can shut it self down when it is tired
- (d) A computer can make our work easier

**Q.11.** Which of following runs on electricity?

- (a)  (b) 
- (c)  (d) All of these

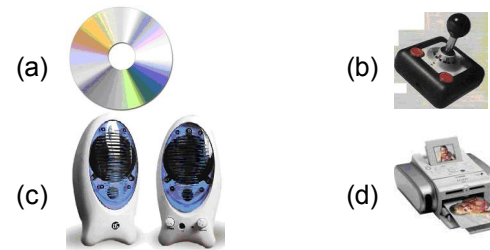
**Q.12.** Can you use your CD to play music on computer?

- (a) Yes (b) No
- (c) Can't say (d) None of these

**Q.13.** Fill in the blank :


- (a) A computer runs on \_\_\_\_\_ (Electricity / Coal)
- (b) A computer \_\_\_\_\_ (gets / does not get tired)
- (c) A computer can work out sums \_\_\_\_\_ (slower / faster) than you
- (d) A computer \_\_\_\_\_ (does / does not) make any mistake

**Q.14.** Identify the device used to listen music and sound through computer —



**Q.15.** What a computer cannot do ?

- (a) A computer cannot count
- (b) A computer cannot play Game
- (c) A computer cannot paint pictures
- (d) Self-decision

**Q.16.** What is this  ?

- (a) Telephone (b) Computer
- (c) Car (d) Fridge

**Q.17.** Are all machines man made?

- (a) True (b) False
- (c) Can't say (d) None of these

**Q.18.** What are the machines called that work on electricity ?

- (a) Thermal machines (b) Electronic machines
- (c) Wires (d) None of these

**Q.19.** A computer comes in several sizes. A computer which is for your personal use and bigger in size than a laptop is called :

- (a) Laptop (b) Calculator
- (c) Personal Computer (PC)
- (d) None of these

**Q.20.** A laptop is a computer that can be carried around by a person

- (a) It is True (b) False
- (c) Can't say (d) None of these







## ANSWERS

1. (c) 2. (b) 3. (b) 4. (a) 5. (c) 6. (a)
7. (a) False, (b) True (c) True, (d) False (e) True (f) True
8. (a) 9. (b) 10. (c) 11. (a) 12. (a)
13. (a) electricity, (b) does not get tired, (c) faster (d) does not
14. (c) 15. (d) 16. (b) 17. (a) 18. (b) 19. (c) 20. (a)



# CHAPTER 2 Parts of a Computer

**Q.1. Match the following :**

- |              |   |
|--------------|---|
| (A) CPU      | (i)    |
| (B) Keyboard | (ii)   |
| (C) Monitor  | (iii)  |
| (D) Mouse    | (iv)   |
- (a) A-iv, B-iii, C-i, D-ii      (b) A-ii, B-iii, C-iv, D-i  
 (c) A-iv, B-i, C-iii, D-ii      (d) A-i, B-ii, C-iv, D-iii

**Q.2. What is the full form of CPU ?**

- (a) Control Processing Unit  
 (b) Central Programming Unit  
 (c) Central Processing Unit  
 (d) None of these

**Q.3. The brain of the computer lies in the :**


- |  |  |
|--|--|
| (a)   | (b)   |
| (c)  | (d)  |

**Q.4. The monitor is connected to the CPU through a \_\_\_\_\_**

- (a) String                      (b) Cloth  
 (c) Wire                        (d) None of these

**Q.5. The CPU is the most important part of a computer because**

- (a) It makes all the parts of the computer work together  
 (b) It helps the computer to remember things  
 (c) All the parts of the computer are connected to the CPU by wires  
 (d) All of the above

**Q.6.  looks like a TV on which you can watch**

- (a) Cartoons                      (b) Movies  
 (c) Words & Pictures          (d) All of the above

**Q.7. \_\_\_\_\_ has different kinds of keys by which information is entered into the CPU of a computer.**

- |   |   |
|---|---|
| (a)  | (b)  |
| (c)  | (d)  |




**Q.8. If Mohan is using Number keys, Alphabet keys, Space bar and Enter key, what is he doing ?**

- (a) He is typing on the computer  
 (b) He is drawing on the computer  
 (c) He is reading on the computer  
 (d) None of the above

**Q.9. How many keys are there approximately on the keyboard ?**

- (a) 1                                      (b) 50  
 (c) 100                                  (d) 1000

**Q.10. Which of the following is a mouse which is used to point to things on a computer monitor?**

- |  |   |
|--|---|
| (a)   | (b)  |
| (c)  | (d) None of the above   |

**Q.11.  helps us to \_\_\_\_\_**

- (a) Click things on the computer monitor  
 (b) Drag things on the computer monitor  
 (c) Draw things on the computer monitor  
 (d) All of the above


**Q.12. Identify the object which is used to print document**

- |   |   |
|---|---|
| (a)  | (b)  |
| (c)  | (d)  |

**Q.13. What can we print through a printer ?**






- (a) Words (b) Picture  
(c) Graphics (d) All of the above

**Q.14.** What is use of this  peripheral ?

- (a) To listen to music  
(b) To draw things on a computer  
(c) To throw light on the computer  
(d) None of the above




**Q.15.** What is the instrument used to record different sounds?

- (a)  (b)   
(c)  (d) None of the above



**Q.16.** How can the computer function even when the electricity has gone off while working on the computer?

- (a) CPU (b) Mouse  
(c) UPS (d) None of the above

**Q.17.** Permanent information can be stored on which of the following devices?

- (a)  (b)   
(c)  (d) None of the above

**Q.18.** Which picture correctly shows the way to run our CD-ROM's ?

- (a)  (b)   
(c) Both (a) and (b) (d) None of these

**Q.19.** Fill in the blanks from the words given in the box below





1. Displays, 2. Remember, 3. Type, 4. Listening,  
5. Printing, 6. Moves.  
(a) The CPU can \_\_\_\_\_ spellings and names.  
(b) A monitor \_\_\_\_\_ pictures and words.  
(c) A printer is used for \_\_\_\_\_ numbers, words and pictures.  
(d) Speaker are used for \_\_\_\_\_ music.

- (e) A mouse pointer \_\_\_\_\_ on the monitor screen.  
(f) You can use a keyboard to \_\_\_\_\_ words, numbers and symbols.

**Q.20.** Choose one device that looks like T.V but it is a part of a computer:

- (a)  (b)   
(c)  (d) 

**Q.21.** Mark a tick [✓] for the pictures with the right name and a cross [x] for the ones with the wrong name :

- (a)  Monitor   
(b)  Speaker   
(c)  CD   
(d)  Printer

**Q.22.** This is a computer lab. What are these children doing in the lab ?

- (a) Collecting print outs from the printer  
(b) Using computers  
(c) Switching on the CPU  
(d) All of the above



## ANSWERS

1. (c) 2. (c) 3. (d) 4. (c) 5. (d) 6. (d) 7. (c) 8. (a)  
9. (c) 10. (b) 11. (d) 12. (c) 13. (d) 14. (a) 15. (b) 16. (c)  
17. (c) 18. (c) 19. (a)-2, (b)-1, (c)-5, (d)-4, (e)-6, (f)-3, 20. (c)  
21. (a)×, (b)✓(c)×(b)✓ 22. (b)



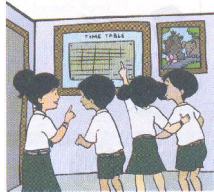


# Application of Computers

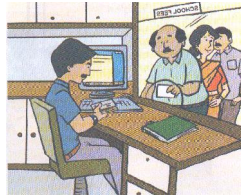
**Q.1.** A computer is used widely to maintain records in Schools, Railway Stations, Airports, Banks, Hospitals and Offices.

- (a) It is true                      (b) It is false  
(c) Can't say                      (d) None of these

**Q.2.** Tick mark the activity (✓) which is done with the help of computers in schools.



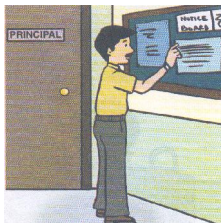
Making Time Tables



Maintaining Free Records



Maintaining Student Record



Writing Circulars

**Q.3.** Are the computers helpful in providing us information regarding booking of tickets, timing of arrival and departure of Trains and Aeroplanes etc?

- (a) No  
(b) Yes  
(c) Cant's say                      (d) None of these



**Q.4.** Which kind of movies are made with the help of computers ?

- (a) Thriller                      (b) Action  
(c) Animation                      (d) None of these

**Q.5.** Bank Accounts in Banks are maintained with the help of \_\_\_\_\_

- (a) Calculator                      (b) Mouse  
(c) Computer                      (d) None of these

**Q.6.** Computers can save us a lot of storage space and we can store this information in the \_\_\_\_\_.

- (a) CD-ROM                      (b) Transistor  
(c) Printer                      (d) Calculator

**Q.7.** Do doctors and nurses use computers to record information about a patient in a modern hospital / clinics etc?

- (a) No                      (b) Yes  
(c) Can't say                      (d) Computer isn't used there

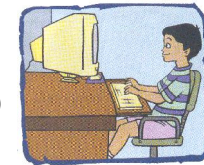
**Q.8.** Is E-mail also known as electronic mail ?

- (a) Yes                      (b) No  
(c) Can't say                      (d) None of these

**Q.9.** An E-mail is sent a message through a \_\_\_\_\_.

- (a) Calculator                      (b) Printer  
(c) Computer                      (d) Radio

**Q.10.** Which of the following picture shows the correct position of working on the computer.



(d) None of these

**Q.11.** Computers are useful for sending message to the other people by \_\_\_\_\_

- (a) E-mail                      (b) E-male  
(c) E-nail                      (d) E-Rail

Write True (T) for statement which is correct and (F) False for which is incorrect.

Q.12. Computer are used in banks for printing books

Q.13. Computer can be used for matching finger prints

Q.14. Computer can be used in schools for maintaining school records.

Q.15. You can watch a movie on a computer

Q.16. Computers are in booking tickets on the Airport and Railway stations.

Q.17. Computer can not be used for storing information

Q.18. Computer can be used to play video game.

Q.19. Computer is not used to draw a picture

Q.20. Computer is an electronic Machine



## ANSWERS

1. (a) 2. (c) 3. (b) 4. (c) 5. (c) 6. (a) 7. (b) 8. (a)  
9. (c) 10. (b) 11. (a) 12. (F) 13. (T) 14. (T) 15. (T) 16. (F)  
17. (F) 18. (T) 19. (F) 20. (T)






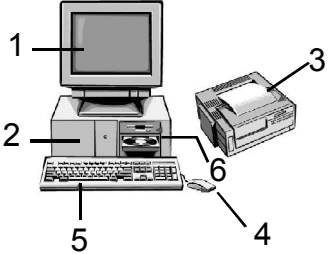








# INTERNATIONAL CYBER OLYMPIAD (ICO) SAMPLE PAPER

Total duration : 40 Minutes

Total Marks : 25

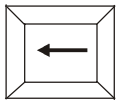
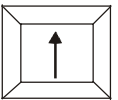
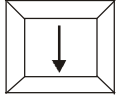
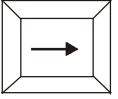
1.  helps us to :
- (a) Point                      (b) Click  
(c) Drag                      (d) All of these
2.  &  are \_\_\_\_\_ and \_\_\_\_\_ devices respectively.
- (a) Input, input              (b) Input, output  
(c) Output, output          (d) Output, input



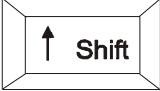

3. 
- What is indicated by **2** in the diagram?
- (a) CPU                      (b) Laser Printer  
(c) Mouse                      (d) Keyboard

4. Which key should you use to write your name?
- (a) Alphabet keys  
- (b) Number keys  
- (c) Arrow keys  
- (d) None of these

5. What you SHOULD NOT DO in the computer room?
- (a) Sit straight              (b) Eat food  
(c) Keep room clean      (d) Help your partner
6. Sneha wants to write a poem in computer. Which of the following devices would she use?

- (a)               (b) 
- (c)               (d) None of these

7. The cursor can be moved down with?
- (a)               (b) 
- (c)               (d) 

8. To correct 'GAMME' to 'GAME'.  What you will use :
- (a)               (b) 
- (c)               (d) None of these



9. The \_\_\_\_\_ can \_\_\_\_\_ spellings and names.

- (a) Write
- (b) Remember
- (c) Forget
- (d) None of these

10. What is used to record sound?

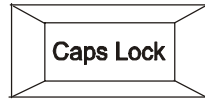
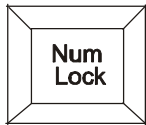


- (a)
- (b)

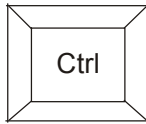


- (c)
- (d)

11. To write capital Alphabets you will press



- (a)
- (b)



(d) None of these

- (c)



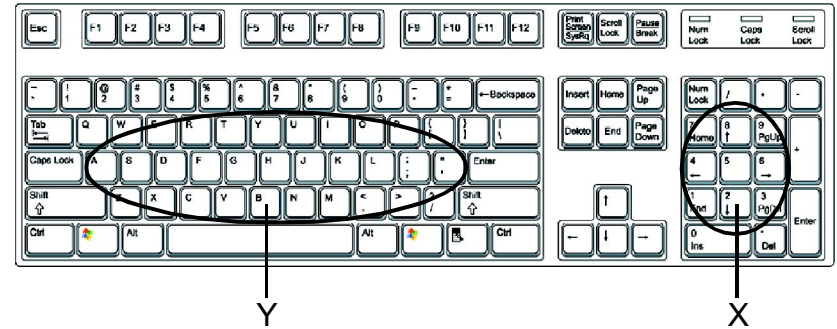
12. A \_\_\_\_\_ pictures and words.

- (a) Displays
- (b) Types
- (c) Stores
- (d) Prints.

13. Anything that is printed on paper is called a

- (a) Layout
- (b) Print out
- (c) Take out
- (d) Give out

See the picture given below and answer questions (14-15):



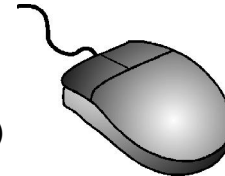
14. Which kind of keys are shown by 'X' ?

- (a) Alphabet Keys
- (b) Functions Keys
- (c) Enter Key
- (d) Number keys

15. 'Y' shows :

- (a) Functions Keys
- (b) Arrow Keys
- (c) Alphabet Keys
- (d) Space Bar

16. Which name is as same as an animal's name?



- (a)
- (b)



- (c)
- (d)

17. The data is stored in \_\_\_\_\_

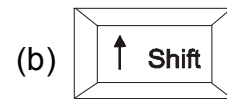


- (a)
- (b)



(d) None of these

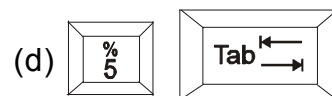
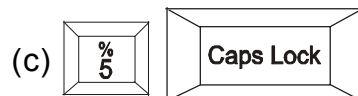
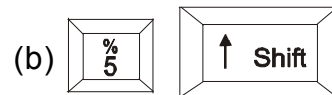
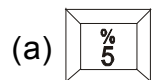
18. If you want to type \* which key along with you need to press?



19. Which device will you use to put your photo in the computer?



20. To get 5 on screen what do we need to press?



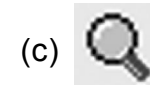
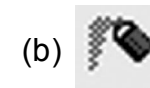
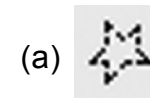
### INTERACTIVE SECTION



What kind of these devices are?

- (a) Input devices      (b) Output devices  
(c) Both input and output devices  
(d) None of these

22. Which of the following tool is used to make this picture?

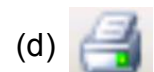
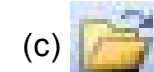
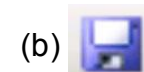
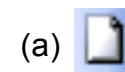


(d) None of these

23. PC stands for :

- (a) Performance Computer (b) Pocket Calculator  
(c) Public Computer      (d) Personal Computer

24. Icon to SAVE a file is :



25. To start a computer the first thing you do is

- (a) Switch ON the power button  
(b) Click ON the mouse  
(c) Click on shut down button  
(d) None of these



**ANSWERS**

1. (d) 2. (b) 3. (a) 4. (a) 5. (b) 6. (a) 7. (c) 8. (a)  
9. (b) 10. (b) 11. (b) 12. (a) 13. (b) 14. (d) 15. (c) 16. (a)  
17. (a) 18. (b) 19. (a) 20. (a) 21. (b) 22. (b) 23. (d) 24. (b)  
25. (a)

