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ICO INTERNATIONAL CYBER OLYMPIAD	NISO NATIONAL INTERACTIVE SCIENCE OLYMPIAD	NIMO NATIONAL INTERACTIVE MATHS OLYMPIAD	NBTO NATIONAL BIOTECHNOLOGY OLYMPIAD	IEO INTERNATIONAL ENGLISH OLYMPIAD	IGO INTERNATIONAL G.K. OLYMPIAD
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INTERNATIONAL CYBER OLYMPIAD

ICO

8

Class

A1

Paper Code

LEVEL - 1

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Creating SUCCESS Stories

EDUSYS LEARNING MEDIA

AIEEE • IIT • PMT • OLYMPIADS

INTERNATIONAL SCIENCE AND ENGINEERING FAIR

THE HARVARD - MIT MATHEMATICS TOURNAMENT

Level - 1 : Level-1 winners will get certificate, aptitude report, medals for the school toppers and online subscription.

Level - 2 : Top 10 % including school toppers will be selected for level-2-National level - online computer based interactive test held at exam centres all over India. Besides selection for level-3, winner will get merit certificate, aptitude report, medals, Mp3 player, watches, educational CDs, laptop, scholarship, online subscription etc.

Level - 3 : Top 1% will qualify for level 3-International level-where you will compete with students globally. Get selected for EHF's International Olympiad training camp. Only Indian organization giving students exposure to global competitions. Represent India & win laurels. Guidance by top scientists.

Prizes ranges from cash (millions of \$), gadgets, foreign trips, publicity, fame, scholarships, Internships, conference participation and more.

- You are allowed additional 10 minutes to fill the required details in the **RESPONSE SHEET**.
- The question paper is made as per syllabus guidelines & pattern given in the information Booklet. The Question Paper for Classes 1 to 6 contains 25 Questions each to be answered in 40 minutes. The Question paper for classes 7 to 12 contains 50 Questions each to be answered in 60 minutes. All questions are compulsory. Further instructions are given in the instruction letter to the coordinator teacher.
- Use the response sheet to mark your responses by darkening the required circle. The response sheet has to be returned to the foundation, duly filled in. The student can retain the Question Paper.

MENTAL ABILITY

1. Study the given diagram carefully and answer the question.



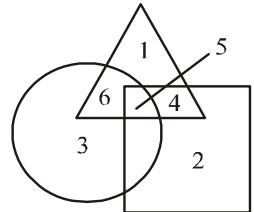
Youths in villages



Unemployed youths



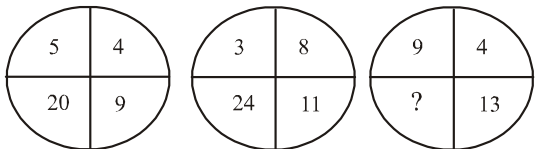
Educated



Uneducated, unemployed youth in villages are represented by ?

- (1) 5 (2) 4
(3) 6 (4) None of these

2. Which number should come in place of question mark (?)



- (1) 36 (2) 52
(3) 26 (4) None of these

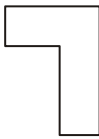
3. On a number line which number has the same distance from 0 as 11 ?

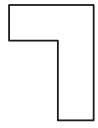
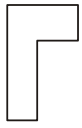

- (1) 0 (2) 9
(3) -11 (4) None of these

4. One of the factor of

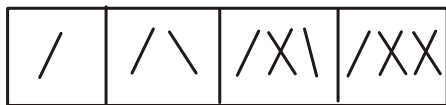
$$a^3(b-c)^3 + b^3(c-a)^3 + c^3(a-b)^3$$




- (1) a - b (2) b - c
(3) c - a (4) None of these

5. Mirror image of  is

- (1)  (2) 
 (3)  (4) None of these

6. Find out the next figure that follows the given series



- (1)  (2) 
 (3)  (4) None of these

7. Ram is the brother of Shyam and Mahesh is the father of Ram. Jagat is the brother of Priya and Priya is the daughter of Shyam. Who is the uncle of Jagat ?

- (1) Shyam (2) Mahesh
 (3) Ram (4) None of these

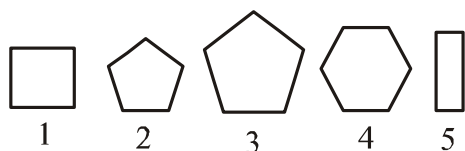
8. Find the odd one out?

- (1) Sister-in-law (2) Mother
 (3) Father (4) None of these

9. In a certain code ALPACA is written as ACAPLA . How will ANIMAL be written in that code?

- (1) LAMINA (2) ALAMIN
 (3) LAMNIA (4) None of these

10. Which shapes in this group are not similar ?



- (1) 1 and 5 (2) 2 and 3
 (3) 2 and 4 (4) None of these

COMPUTERS

11. Which of the following is not an operating system?
 (1) Dos (2) Unix
 (3) C++ (4) None of these
12. Web pages you recently visited can be listed through ____
 (1) History (2) Favorites
 (3) View (4) None of these
13. We use Custom Animation Option to make the items appear 'one by one' during the slide show.
 (1) False (2) True
 (3) Can't Say (4) None of these
14. _____ 'generates' an electric response which goes to the processor and forms a mark on the monitor.
 (1) Bar Code Reader (2) Joystick
 (3) Light Pen (4) None of these
15. Which of the following is not a language?
 (1) C+ (2) C++
 (3) C (4) None of these
16. The main computer that has CPU and memory and controls all the terminals is called a ____
 (1) Memory (2) Server
 (3) Monitor (4) None of these
17. We give commands or instructions to the computer using a
 (1) High level language (2) English language
 (3) Symbolic language (4) None of these
18. The set of buttons shown in the figure are



- (1) Cut, print, copy, redo (2) Cut, copy, paste, undo
 (3) Cut, copy, print, redo (4) None of these
19. Presentations are made in
 (1) MS Word (2) MS Excel
 (3) MS Powerpoint (4) None of these
20. You cannot delete a file if it is
 (1) In use by some user (2) Blank
 (3) Corrupt (4) None of these
21. _____ is a combination of text, image, sound and animation.
 (1) Multimedia (2) MPEG
 (3) JPEG (4) None of these
22. Organised collection of _____ is known as database.
 (1) Files (2) Icons
 (3) Data (4) None of these

23. DBMS stands for
 (1) Data by Management System.
 (2) Database Management System.
 (3) Binary Management System
 (4) None of these
24. What is the combined form of hardware and software called?
 (1) Firmware (2) Skinware
 (3) Liveware (4) None of these
25. Bar code reader is used to ____ the bar code lines given on different items.
 (1) Read (2) Write
 (3) Make (4) None of these
26. If we draw the sequence of steps required to solve a 'problem' in boxes connected by lines, we make a diagram which is called ____
 (1) Algorithm (2) Tables
 (3) Flowchart (4) None of these
27. If we want to insert a picture in our document then we will select which option?
 (1) Clipart (2) Paint
 (3) Documents (4) None of these
28. Binary number system has only two digits ____ and ____
 (1) 1 and 2 (2) 0 and 1
 (3) 0 and 2 (4) None of these
29. What is a virus?
 (1) A program (2) A game
 (3) A hardware (4) None of these
30. RAM is ____ in nature.
 (1) Non-volatile (2) Read only
 (3) Volatile (4) None of these
31. The screen that takes input by 'touch' is
 (1) Monitor (2) Touch Screen
 (3) Desktop (4) None of these
32. DVD stands for
 (1) Digital Versatile Disk (2) Digital Video Risk
 (3) Digital Versatile Drive (4) None of these
33. ____ programs are the files or programs that are installed on the computer to remove or clean corrupted files.
 (1) Software (2) Virus
 (3) Anti-virus (4) None of these
34. The application that is being currently used in computer is called the _____ application.
 (1) Passive (2) Active
 (3) Positive (4) None of these
35. Norton, McAfee, Doctor Solomon are
 (1) Viruses (2) Anti Viruses
 (3) Compilers (4) None of these
36. Which of the following command is used to find some word on a web page?
 (1) Ctrl + A (2) Shift + F
 (3) Ctrl + F (4) None of these
37. 'Orkut' was a social networking service which was run by
 (1) Yahoo (2) Hotmail
 (3) Google (4) None of these
38. Byte is equal to
 (1) 16 bits (2) 4 bits
 (3) 32 bits (4) None of these
39. Which option is used to change the 'position' of the text?
 (1) Alignment (2) Slide layout
 (3) Background (4) None of these
40. What is the keyboard shortcut to display 'Help'?
 (1) F1 (2) F3
 (3) F2 (4) None of these

ETG INTERACTIVE SECTION

41. The illegal copying of a program is known as
 (1) Piracy (2) Internet
 (3) Software (4) None of these
42. What is shown in the given figure?



- (1) Floppy disk (2) Hard disk
 (3) CD-Rom (4) None of these
43. How will you display the popup menu ?
 (1) Click on the start icon.

- (2) Double click on the start menu.
(3) Right click on the start menu
(4) None of these
44. Monika saved her file in D:\. Where is this file saved in CPU?
- (1) CD drive (2) Floppy drive
(3) Hard disk (4) None of these
45. URL stands for
- (1) Uniform Resource Location
(2) Uniform Resource Locator
(3) Unique Resource Locator
(4) None of these
46. What is CC?
- (1) Complete Copy (2) Computer Copy
(3) Carbon Copy (4) None of these
47. What is BCC?
- (1) Blind Carbon Copy (2) Blind Computer
(3) Blind Complete Copy (4) None of these
48. To send a MS-Word file through e-mail we will go for which option?
- (1) Check Spelling (2) Attach a file
(3) Plain text (4) None of these
49. If you don't want to send this email then which option will you select?
- (1) Discard (2) Send
(3) Save Now (4) None of these
50. To write any word in bold letter we will go for the option
- (1) *I* (2) **B**
(3) U (4) None of these



END OF THE EXAM