



EDUHEAL FOUNDATION



INTERACTIVE OLYMPIADS

EDUHEAL FOUNDATION CONDUCTS 8 OLYMPIADS ANNUALLY REACHING OUT TO 3,500 + SCHOOLS

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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 |
|---|---|---|--|---|--|

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.

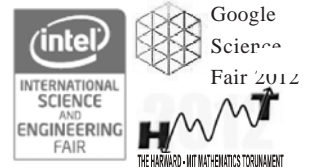
- You are allowed additional 10 minutes to fill the required details in the **RESPONSE SHEET**.
- The question paper is made as per syllabus guidelines & pattern given in the information Booklet. The Question Paper for Classes 1 to 6 contains 25 Questions each to be answered in 40 minutes. The Question 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.

INTERNATIONAL CYBER OLYMPIAD

ICO

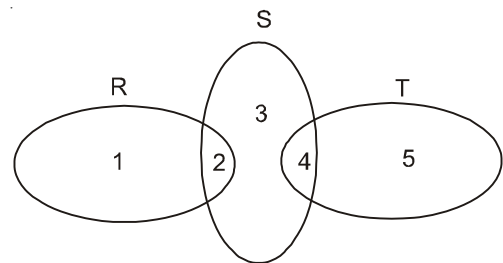


LEVEL - 1



MENTAL ABILITY

- If in a certain code SAND is VDQG and BIRD is ELUG, then what is the Code for LOVE?
 - ORYH
 - ORTG
 - PRYG
 - None of these
- The number of times in a day the hour-hand and the minute-hand of a clock are at right angles is
 - 44
 - 24
 - 48
 - None of these
- The measure of an angle which is four times its supplement is
 - 30°
 - 36°
 - 150°
 - None of these
- In the given diagram, R represents businessmen, S represents rich men and T represents honest men. Which number will represent honest rich men?




- 2
 - 5
 - 4
 - None of these
- A cylinder and a cone have the same height and the same radius of the base. The ratio between the volumes of the cylinder and the cone is.
 - 1 : 3
 - 3 : 1
 - 1 : 2
 - None of these
 - A hunter aims his gun at a point between the eyebrows of a monkey sitting on the branch of a tree. Just as he fires, the monkey jumps down. The bullet will
 - Hit the monkey above the point aimed

- (2) Hit the monkey at the point aimed
 (3) Hit the monkey below the point aimed
 (4) None of these
7. Which number will continue in the given series
 3, 6, 18, 72, _____
 (1) 144 (2) 288
 (3) 360 (4) None of these
8. $8 - \frac{\sqrt{5} - \sqrt{3}}{\sqrt{5} + \sqrt{3}}$ is equal to
 (1) $4 + \sqrt{15}$ (2) $4 - \sqrt{15}$
 (3) $\frac{1}{2}$ (4) None of these
9. Pole is related to magnet in the same way as _____ is related to 'battery'.
 (1) Terminal (2) Energy
 (3) Cell (4) None of these
10. Data systems for planning are often called
 (1) Decision analysis
 (2) Decision support system
 (3) Planning analysis system
 (4) None of these

COMPUTERS

11. The first microprocessor built by the Intel Corporation was called
 (1) 8008 (2) 8080
 (3) 4004 (4) None of these
12. Ascending order of a data hierarchy is
 (1) Bit - byte - record - field - file - database
 (2) Bit - byte - field - record - file - database
 (3) Byte - bit - record - file - database
 (4) None of these
13. Parts of a computer that you can touch are called
 (1) Hardware (2) Software
 (3) CPU (4) None of these
14. A set of instructions that is defined to perform a specific task is called
 (1) Hardware (2) Software
 (3) CPU (4) None of these

15. Identify the non-feature of the computer
 (1) Speed (2) Reliability
 (3) Decision making (4) None of these
16. Mainframe Computers are
 (1) Large-sized computers which occupy a large air-conditioned roomful space.
 (2) Kind of micro-computer
 (3) Portable Computer
 (4) None of these
17. Raw facts and figures that are not processed yet are known as
 (1) CPU (2) Data
 (3) Information (4) None of these
18. 1024 bytes represent a :
 (1) Mega byte (2) Giga byte
 (3) Kilo byte (4) None of these
19. What is this icon called ?
 (1) Recycle Bin
 (2) Control Panel
 (3) Microsoft outlook
 (4) None of these
- 
20. The process that happens, when we switch on the computer is known as
 (1) Loading (2) Booting
 (3) Saving (4) None of these
21. Keyboard is an optional component of computer?
 (1) True (2) False
 (3) Can't Say (4) None of these
22. A computer stores data internally in the form of _____ numbers.
 (1) Binary (2) Data
 (3) MICR (4) None of these
23. _____ stores data that is required by CPU.
 (1) IAS (2) Printer
 (3) ALU (4) None of these
24. The name _____ comes from the first six letters of the top-left alphabet row (that one just below the numbers) of a keyboard.
 (1) QWERTY (2) Mechanical
 (3) Function (4) None of these
25. Which of the following is not an OS?
 (1) Windows (2) Linux

- (3) Microsoft - Power Point
(4) None of these
26. Which one of the following acts as an interface between operating system and hardware?
(1) Utility Software (2) OS
(3) Application software (4) None of these
27. From the following list, identify which is not an anti-virus software :
(1) Norton (2) Mozilla
(3) McAfee (4) None of these
28. Which among the following is an operating system?
(1) Google (2) Chrome
(3) Linux (4) None of these
29. Which one of the following buttons enables you to restore the actual or original size of the application window?
(1) Minimize (2) Maximize
(3) Restore (4) None of these
30. Which of the following options will you select from the System menu to shut down your computer?
(1) Lock Screen (2) Log Out Boss
(3) Shut Down (4) None of these
31. The combination of the Alt and F4 keys (ALT + F4) is used for closing an application.
(1) True (2) False
(3) Can't Say (4) None of these
32. To save a document, you need to press the Shortcut combination of
(1) Ctrl + A Keys (2) Ctrl + C Keys
(3) Ctrl + S Keys (4) None of these
33. Which of the following is a shortcut for changing your text in italic form?
(1) Ctrl + B (2) Ctrl + C
(3) Ctrl + I (4) None of these
34. The intersection of a row and column is called a _____.
(1) Column (2) Worksheet
(3) Cell (4) None of these
35. If you press, the cell accepts your typing as its contents.
(1) Enter (2) Tab
(3) Insert (4) None of these
36. TCP/IP stands for _____.
(1) Transaction Control Protocol / IP

- (2) Transmission Control Protocol / IP
(3) Transfer communication Protocol / IP
(4) None of these
37. A quick way to return to a specific area of a worksheet is to type in the
(1) Name box (2) Formula bar
(3) Zoom box (4) None of these
38. The process of identifying specific rows and columns so that certain columns and rows are always visible on the screen is called
(1) Freezing (2) Locking
(3) Selecting (4) None of these
39. Which of the following component displays the contents of active cell?
(1) Name box
(2) Formula bar
(3) Menu bar
(4) None of these
40. The Insert mode replaces the previous text by the new text typed by you
(1) False (2) True
(3) Can't say (4) None of these

INTERACTIVE SECTION

41. HTML is a programming language used to format a web page.
(1) True (2) False
(3) Can't Say (4) None of these
42. Data or information used to run the computer is
(1) Peripheral (2) Hardware
(3) Software (4) None of these
43. Bug means:
(1) A logical error in a program
(2) A difficult Syntax error in a program
(3) Documenting programs using an efficient documentation too
(4) None of these
44. Junk email means
(1) Phishing (2) Spam
(3) Cookies (4) None of these
45. To select a single word in your text you can _____.
(1) Click on it (2) Double click on it
(3) Click in the margin (4) None of these

46. When you rehearse timings, you are _____

- (1) Just viewing the slide show with automatic times for effects. You cannot make changes.
- (2) Can adjust animation timings but not slide transition timings
- (3) Able to set the time interval for each transition and animation
- (4) None of these

47. To select an object that is underneath another object, like an image or text box, first select an object on the slide and then press _____ until the desired object is selected.

- (1) The F5 key (2) The TAB key
- (3) Esc key (4) None of these

48. "Com" is known as an _____

- (1) Internet Domain (2) Internet System
- (3) Internet Security (4) None of these

49. What do you mean by HLL?

- (1) High Level Language
- (2) Huge Level Language
- (3) High Label Language
- (4) None of these

50. An _____ is a program which translates statements of a high level language program into machine code.

- (1) System (2) Virus
- (3) Interpreter (4) None of these



END OF THE EXAM