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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
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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

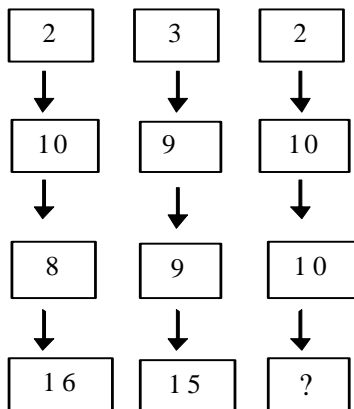


LEVEL - 1



MENTAL ABILITY

- Which number comes in the blank box ?

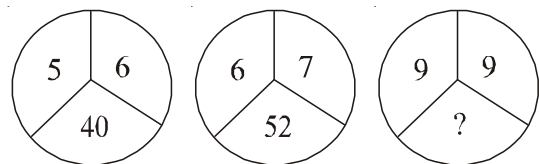


- 16
- 15
- 18
- None of these

- A student was asked to add 16 and subtract 10 from a number. By mistake he subtracted 16 and added 10 and found the answer 14. What is the right answer?

- 20
- 26
- 30
- None of these

- Which number comes in the blank segment ?



- 91
- 81
- 71
- None of these

- If '×' stands for addition; '+' stands for subtraction; '÷' stands for multiplication and '-' stands for division, then $(20 - 6 \div 6 \times 4)$ is equal to

- 5
- 24
- 25
- None of these

5. Pointing out to a girl a man said, "My uncle is the uncle of this girl's uncle". How is the man related with that girl ?
 (1) Brother (2) Father
 (3) Father in law (4) None of these
6. Select the correct figure in which question figure X is hidden.



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

7. Which of the alternatives indicates the correct relationship between the three given words ?
 Engineers, Human beings, Rats,

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

8. Choose the odd one out
 (1) Nun (2) Knight
 (3) Monk (4) None of these
9. Choose the group of letters which is different from others.
 (1) BD (2) PN
 (3) SV (4) None of these
10. Complete the series
 1, 4, 9, 16, 25, _____
 (1) 38 (2) 37
 (3) 36 (4) None of these

COMPUTERS

11. A program that translates high level language program to a machine language is called
 (1) Assembler (2) Compiler
 (3) Processor (4) None of these
12. Mnemonics are used in which language?
 (1) Machine language (2) Assembly language
 (3) High level language (4) None of these

13. The program designed to give instructions to a computer about what to do and how to do is called
 (1) Applications (2) Firmware
 (3) Software (4) None of these
14. A computer that is not connected to a network is called a _____
 (1) Computer without network
 (2) Network less computer
 (3) Stand alone computer
 (4) None of these
15. All your deleted files and folders reside in which of the following folders?
 (1) Spam (2) Trash
 (3) Temp (4) None of these
16. The short cut key combination for pasting a copied text is
 (1) Ctrl+A (2) Ctrl+V
 (3) Ctrl+C (4) None of these
17. Which one of the following controls and processes logical and mathematical operations ?
 (1) Memory unit (2) Control unit
 (3) Arithmetic Logical unit (4) None of these
18. Mobile phones with additional features that are required for performing day-to-day tasks are called
 (1) PDA (2) Smart phones
 (3) Tablet PC (4) None of these
19. OCR stands for
 (1) Optical Character Reader
 (2) Only Character Reader
 (3) Optical Character Recognition
 (4) None of these
20. Dot matrix is a type of
 (1) Tape (2) Printer
 (3) Disk (4) None of these
21. USB stands for _____.
 (1) Universal Serial Bus (2) Uniform Serial Bus
 (3) Specific Binary Unit (4) None of these
22. Which of the following are not examples of non-impact printer ?
 (1) Inkjet (2) Laser
 (3) Dot matrix (4) None of these
23. What is the function of Bar Code reader ?
 (1) Reads the Code number, which is encoded as a series of black and white lines on the product.
 (2) Processes the cheque number and bank code.
 (3) Inputs the account number, bank code and amount while shopping.
 (4) None of these

24. To set a register or counter to the all zero state is
 (1) Rerun (2) Reset
 (3) Remote (4) None of these
25. Which of the following program is not a utility ?
 (1) Debugger (2) Editor
 (3) Spooler (4) None of these
26. Identify the odd term amongst the following group
 (1) Coaxial cable (2) Twisted pair wire
 (3) Microwaves (4) None of these
27. A system built around the open standards and protocols of the Internet
 (1) Intranet (2) Internet
 (3) Client (4) None of these
28. Pulling a wedge away from a pie chart is known as
 (1) Shuffling (2) Animating
 (3) Pulling (4) None of these
29. The multiplication arithmetic operator is represented by which of the following symbols?
 (1) ^ (2) *
 (3) / (4) None of these
30. ISP stands for
 (1) Integrated Service Provider
 (2) Internet Service Provider
 (3) Internet Security Protocol
 (4) None of these
31. Truncation means
 (1) Packing to go on vacation
 (2) Shortening a word for search purposes.
 (3) Selecting a search engine.
 (4) None of these
32. In MS-Word which of these toolbars allows checking of spelling and grammar?
 (1) Format (2) Insert
 (3) Tools (4) None of these
33. In memory systems, boundary registers
 (1) Are used for temporary program variable storage
 (2) Are only necessary with fixed partitions
 (3) Track the beginning and ending of programs
 (4) None of these
34. The type of computer used for weather predictions.
 (1) Embedded Computer (2) PDA
 (3) Super Computer (4) None of these
35. CAD stands for
 (1) Computer Aided Design
 (2) Computer Aided Developed
 (3) Computer Aided Display
 (4) None of these

36. A half byte is known as
 (1) Data (2) Half byte
 (3) Nibble (4) None of these
37. Wide area networks (WANs) always require
 (1) High bandwidth communication
 (2) High speed processors
 (3) Same type of processors
 (4) None of these
38. When you use *Save as Web Page*, the presentation is turned into ____
 (1) An animated gif image
 (2) A framed HTML page
 (3) A video (4) None of these
39. Identify the odd one.
 (1) Access (2) Oracle
 (3) SQL (4) None of these
40. To create a link in a document to a section in the same document, you would use an _____.
 (1) Suspender (2) Anchor
 (3) Extra rollover (4) None of these

EtG INTERACTIVE SECTION

41. Identify the computer.



- (1) PDA (2) PC
 (3) Tablet PC (4) None of these
42. Identify the name of the emerging technology ?
- IT

+

Biotechnology

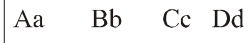
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- (1) Bio-informatics (2) Material Convergence
 (3) Intelligent Bioscience (4) None of these
43. Identify the Alignment.

A computer performs a task in the same manner as we do our day-to-day activities.

- (1) Justified (2) Right
 (3) Center (4) None of these

44. Identify the character fonts.



- (1) Arial (2) Times New Roman
 (3) Verdana (4) None of these

The following is the worksheet of a school promotional event. Look at the window and answer the questions 45 to 47

45. Give the cell reference of the selected cell.

- (1) A 11 (2) A 12
 (3) A 00 (4) None of these

46. Give the formula that is used to compute the cost per student in D 16.

- (1) D14/200 (2) D14/200
 (3) D14 (4) None of these

47. Name two cells that are dependent on the value of the other cells.

- (1) D9 and D6 (2) D14 and D6
 (3) D7 and D6 (4) None of these



48. This key is used for

- (1) Hiding the slide show
 (2) Drawing on your slide
 (3) Getting out of your slide show
 (4) None of these

49. In a File-Server arrangement, the PC

- (1) Does none of the processing of data into information
 (2) Searches the server for data
 (3) Does the processing of the data into information
 (4) None of these

50. Marks scored by students in a class are entered in a spreadsheet along with their names as follows:

Name	Marks	Name	Marks	Name	Marks
Aman	445	Anita	456	Gorge	442
Roshan	432	Amisha	421	Fatima	487

If we want to have a merit list of these students (such as student's marks appearing in descending order with corresponding names) which one of the following options will accomplish this task in one go:

- (1) Copy and Paste (2) Search
 (3) Sort (4) None of these



END OF THE EXAM