



# EDUHEAL FOUNDATION

EDUHEAL FOUNDATION CONDUCTS 8 OLYMPIADS ANNUALLY REACHING OUT TO 3,500 + SCHOOLS  
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IN ENGLISH / MATHS / SCIENCE / BIOTECH / COMPUTER / G.K. / ARTS / CRICKET / FINANCE & 300 REGIONAL COORDINATORS.

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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

**BIFO**  
BSE INTERNATIONAL  
FINANCE OLYMPIAD

**Level - 1** : All Level-1 successful\* participants will get certificate, aptitude report and online subscription, and school toppers will be eligible for school hero medals.

**Level - 2** : 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, medals, educational CDs, laptop, scholarship and other prizes. There is no level 2 in G.K. and Biotech.

**Level - 3** : Toppers 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. Level 3 is in Maths, Science & Cyber only.

\* See prospectus/website for details

1. You are allowed additional 10 minutes to fill the required details in the **RESPONSE SHEET (OMR)**. **STUDENTS OF CLASS 1 & 2 HAVE TO UNDERLINE** THE CORRECT ANSWER IN THE QUESTION PAPER ITSELF. THEY ARE NOT REQUIRED TO USE THE RESPONSE SHEET (OMR). THEY HAVE TO FILL THEIR NAME, ROLL NUMBER, CLASS, SCHOOL NAME IN THE SPACE PROVIDED IN THE QUESTION PAPER.
2. 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 teacher.
3. 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 except for classes 1 and 2.

INTERNATIONAL  
CYBER  
OLYMPIAD

ICO

5  
Class

A1  
Paper  
Code

LEVEL - 1

Academic Partner — [WWW.EDUSYS.IN](http://WWW.EDUSYS.IN)



## MENTAL ABILITY

1. How many triangles are there in the diagram?



- (1) 25                      (2) 13  
(3) 12                      (4) 11
2. Which of the following is a leap year?  
(1) 1402                      (2) 1984  
(3) 2007                      (4) None of these
3. Karen is ordering matching shirts for the debate team. They can get T-Shirts, sweat shirts or

sweaters. Each type of shirt comes in red or yellow. Their logo can be shaped like a star or a sphere. Given these choices, how many different combinations does Karen have to choose from?

- (1) 4                              (2) 9  
(3) 6                              (4) None of these
4. What is the LCM and GCM of 120 and 248  
(1) 8, 3720                      (2) 3720, 8  
(3) 8, 3620                      (4) 3620, 8
5. Meena joined a 3 week cooking class, that got over on July 15th. When did it start?  
(1) 14th June                      (2) 22nd June  
(3) 13th June                      (4) None of these

6. Pentium, Power PC was/were the examples (s) of:
- (1) First Generation Computers
  - (2) Second Generation Computers
  - (3) Third Generation Computers
  - (4) Fourth Generation Computers
7. What is the full form of ATM?
- (1) Auto Tailoring Machine
  - (2) Any Time Money
  - (3) Automated Teller Machine
  - (4) All Time Money
8. A hybrid computer \_\_\_\_\_
- (1) Resembles digital computer
  - (2) Resembles analog computer
  - (3) Resembles both digital and analog
  - (4) Resembles none
9. A disadvantage of the Laser Printer is:
- (1) It is more quiet than an impact printer
  - (2) It is very slow
  - (3) The output is of a lower quality
  - (4) None of these
10. A peripheral device in which the storage medium is used in magnetic tape is:
- (1) Keyboard
  - (2) VDU
  - (3) Punched card
  - (4) Tape deck
11. Secondary memory devices are:
- (1) Floppy Device
  - (2) CD-ROM
  - (3) Hard Disk
  - (4) All of these
12. What are the two kinds of main memory?
- (1) Primary and Secondary
  - (2) RAM and ROM
  - (3) Floppy Disk and Hard Disk
  - (4) Direct and Sequential

13. An error in software or hardware is called a bug. What is the alternative computer jargon for it ?
- (1) Leech
  - (2) Squid
  - (3) Slug
  - (4) Glitch
14. The period during which a computer is inoperable due to mechanical or other failure is known as :
- (1) Access time
  - (2) Down time
  - (3) Seek time
  - (4) Real time
15. What is the name of the display that highlights the screen which requires operator attention?
- (1) Pixel
  - (2) Reverse video
  - (3) Touch screen
  - (4) Nano Seconds
16. Who invented the microprocessor?
- (1) Marcian E Hoff
  - (2) Herman H Goldstein
  - (3) Joseph Jacquard
  - (4) None of these
17. In most IBM PCs, the CPU, device drives, memory expansion slots and active components are mounted on a single board. What is the name of this board?
- (1) Motherboard
  - (2) Breadboard
  - (3) Daughter board
  - (4) None of these
18. The commands used to draw a square having sides of 50 units
- (1) FD 50 RT 90
  - (2) FD 50 LT 90
  - (3) FD 50 RT 90
  - (4) None of these
- FD 50 RT 90      FD 50 RT 90
- FD 50 RT 90      FD 50 LT 90
- FD 50 RT 90      FD 50 RT 90
- (3) FD 50 LT 90      (4) None of these
- BK 50 RT 90
- BK 50 LT 90
- FD 50 RT 90
19. The command used to bring the turtle back to the screen is
- (1) ST
  - (2) PU
  - (3) HT
  - (4) None of these

20. The command 'PR COUNT' is used to
- (1) Display the mathematic calculation
  - (2) Counts numbers, letters or words typed on the screen
  - (3) To apply the mathematical operations
  - (4) None of these

**ETG INTERACTIVE SECTION**

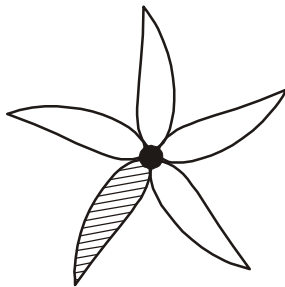
21. Here's given an algorithm as-

- Click the number 2
- Click the '\*' key
- Now click the number 3
- Click the '+' key
- Now click the number 3
- Click the '+' key
- Click the second number 3
- Click the '+' key
- Click the third number 7
- Click on the = key

What is the final output of the given algorithm?

- (1) 30
- (2) 33
- (3) 41
- (4) None of these

22. The algorithm used to draw the given figure is-



- (1) REPEAT 5 [REPEAT 60 [FD 1.4RT 1.2] RT 144]  
PU  
RT 20  
FD 4  
SETFLOOD COLOUR 12.  
FILL

- (2) REPEAT 6 [FD 40 RT 60]  
PU  
RT 30  
FD 30  
SETFLOOD COLOUR 12  
FILL

- (3) REPEAT 7 [FD 30 LT 30]  
PU  
RT 30  
FD 3  
SETFLOOD COLOUR 12  
FILL

(4) None of these

23. A computer program that translates one program instruction at a time into machine language is called a/an

- (1) Interpreter
- (2) CPU
- (3) Compiler
- (4) Simulator

24. A small or intelligent device is so called because it contains within it a

- (1) Computer
- (2) Micro computer
- (3) Programmable
- (4) Sensor

25. Here's given an algorithm as

- \* Select the text with the mouse
- \* Select edit > cut
- \* The selected text is placed on the clipboard
- \* Take the cursor to the place where you want to move the text using cursor keys
- \* Select edit > paste
- \* The selected text is moved to the new location

The algorithm is used for which purpose?

- (1) Edit text
- (2) Copy text
- (3) Move text
- (4) Delete text



**END OF THE EXAM**