



EHF

LEARNING FOR LIFE

EDUHEAL FOUNDATION

CLASS 11

LEVEL - 1

Set A1

EHF OLYMPIADS

- 4000 schools • 6 lakh students
- 10 olympiads • Global outreach



EHF

INTERNATIONAL CYBER OLYMPIAD

Name :

Roll No :

Class :

School :



**NATIONAL
BIOTECHNOLOGY
OLYMPIAD**



**NATIONAL
MATHS
OLYMPIAD**



**NATIONAL
SCIENCE
OLYMPIAD**



**INTERNATIONAL
CYBER
OLYMPIAD**



**INTERNATIONAL
ENGLISH
OLYMPIAD**



**INTERNATIONAL
GENERAL KNOWLEDGE
OLYMPIAD**



BSE international finance olympiad (BIFO)



NATIONAL IIT-PMT OLYMPIAD (NIPO)

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 Art and Cricket.

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.

* # See prospectus website for details

Instructions for the Candidate

1. You are allowed additional 10 minutes to fill the required details in the RESPONSE SHEET (OMR).
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.

WEBSITE : WWW.EDUHEALFOUNDATION.ORG
E-MAIL : INFO@EDUHEALFOUNDATION.ORG

ROUGH WORK

MENTAL ABILITY

1. If in a class of 37 students the places of Anuradha and Saroj are 10th and 16th respectively, what are their places from the last?

- (1) 28th and 22nd
- (2) 27th and 21st
- (3) 28th and 20th
- (4) None of these

2. If BINARY is coded as DHPZTK then how will KIDNAP be coded?

- (1) MKFPCQ
- (2) MHFPZQ
- (3) MHFMCO
- (4) None of these

3. Which one of the alternatives will replace the question mark (?) in the given series?

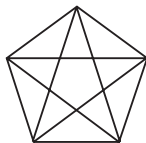
CVD, CTE, DQE, DMF, EHF, ?

- (1) ECG
- (2) FCG
- (3) EBG
- (4) None of these

4. In a birthday party, each child eats at most 5 toffees. No child eats less than three biscuits. Considering all children, there are more toffees than biscuits, more biscuits than chocolates and more chocolates than number of children. Find the minimum number of children present at the party.

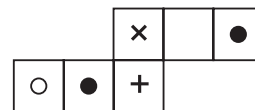
- (1) 2
- (2) 3
- (3) 5
- (4) None of these

5. Find the number of triangles in the given figure.

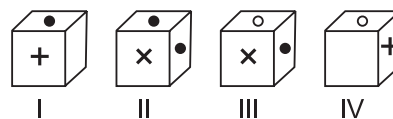


- (1) 32
- (2) 36
- (3) 35
- (4) None of these

6. A dice is given in (Z), when it is folded which of I, II, III and IV will be a possible figure?



(Z)



- (1) I, II and III
- (2) I and III
- (3) II and IV
- (4) None of these

7. P is the brother of Q and R. S is R's mother. T is P's father. Which of the following statements cannot be definitely true?

- (1) T is Q's father
- (2) Q is T's son
- (3) Both (1) and (2)
- (4) None of these

8. Rahul put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9:15 P.M.?

- (1) West
- (2) South
- (3) North
- (4) None of these

9. If in the word 'DISTURBANCE', the first letter is interchanged with the last letter, the second letter is interchanged with the tenth letter and so on, which letter would come after the letter T in the newly formed word?

- (1) S
- (2) N
- (3) T
- (4) None of these

10. If the day before yesterday was thursday, when will sunday be?

- (1) Tomorrow
- (2) Today
- (3) Day after tomorrow
- (4) None of these

COMPUTERS

11. A Virtual Private Network creates a _____ through the internet.
- (1) Tunnel (2) BRI
(3) Connection (4) None of these
12. A piece of icon or image on a web page associated with another web page is called
- (1) url (2) hyperlink
(3) plugin (4) none of these
13. Dynamic web page
- (1) is same every time whenever it displays.
(2) generates on demand by a program or a request from browser.
(3) both (1) and (2)
(4) none of these
14. Lalita can receive her e-mail, but she cannot send e-mail. Which of the following is most likely causing her problem?
- (1) POP3 (2) SMTP
(3) IMAP (4) None of these
15. The tag used in HTML to link it with other URL is
- (1) (2) <A>
(3) <U> (4) None of these
16. The “http” you type at the beginning of any site’s address stands for
- (1) HTML Transfer Technology Process
(2) Hyperspace Techniques and Technology Progress
(3) Hyper Text Transfer Protocol
(4) None of these
17. Jatin walked up to a computer that couldn’t connect to the Internet and immediately opened a command-line window and typed ping 127.0.0.1. Why?
- (1) He wanted to test the connection to the default gateway.
(2) He wanted to test the connection to the nearest Tier 2 router.
(3) He wanted to test the NIC on the local machine.
(4) None of these
18. What is the correct HTML tag for inserting a line break?
- (1)
 (2) <lb>
(3) <break> (4) none of these
19. Which tag creates a check box for a form in HTML?
- (1) <checkbox>
(2) <input type=“checkbox”>
(3) <input=checkbox>
(4) none of these
20. HTML documents are saved in
- (1) Special binary format
(2) Machine language codes
(3) ASCII text
(4) None of these
21. The use of internet or other electronic media to harass a person or group of individuals or an organization is termed as
- (1) Cybernet
(2) Cyber policing
(3) Cyber stalking
(4) None of these
22. An unsolicited mail or message indiscriminately sent to a large number of persons without their consent, is called
- (1) worm (2) spam
(3) trojan (4) none of these
23. A self-replicating computer program which sends copies of itself to other nodes on the computer network without any user intervention is known as
- (1) Computer virus
(2) Computer trojan
(3) Computer worm
(4) None of these

24. A _____ is a program that protects websites against bots by generating and grading tests that humans can pass but current computer programs cannot.
- (1) Captcha
 - (2) Human Intelligence Test
 - (3) Firewall
 - (4) None of these
25. _____ are a list of emails, users that can share information among each other.
- (1) A groups
 - (2) B groups
 - (3) E groups
 - (4) None of these
26. The following is not the name of e-shopping portal:
- (1) Amazon
 - (2) E-bay
 - (3) Twitter
 - (4) None of these
27. The regional networks are connected to the corporate networks. This is also called as _____
- (1) Backbone
 - (2) LAN COM
 - (3) WAN COM
 - (4) None of these
28. Once the email is sent, the message is broken into pieces called _____
- (1) Packets
 - (2) Process
 - (3) Digits
 - (4) None of these
29. Which is the best search tool for finding websites that have been handpicked and recommended by someone else?
- (1) Subject directories
 - (2) Search engines
 - (3) Meta-search engines
 - (4) None of these
30. <http://www.classzone.com> is an example of what?
- (1) A URL
 - (2) An access code
 - (3) A directory
 - (4) None of these
31. The most common HTML lists are
- (1) Ordered lists
 - (2) Unordered lists
 - (3) Both (1) and (2)
 - (4) None of these
32. In HTML how many headings are defined?
- (1) `<h1>` to `<h4>`
 - (2) `<h1>` to `<h5>`
 - (3) `<h1>` to `<h6>`
 - (4) none of these
33. One of the following is not essential as a technique used for the interaction between browser and web server.
- (1) URL
 - (2) WWW
 - (3) HTTP
 - (4) None of these
34. To access the mail server a mail client has a choice of two protocols:
- (1) PGP
 - (2) IMAP
 - (3) MIME
 - (4) None of these
35. Which HTML tag would be used to display power in expression $(A + B)^2$?
- (1) `<SUP>`
 - (2) `<SUB>`
 - (3) ``
 - (4) None of these
36. Which tag is used to lists the items with bullets?
- (1) `<bullet> ... </bullet>`
 - (2) `<list> ... </list>`
 - (3) ` ... `
 - (4) none of these
37. Its main purpose is to prohibit unauthorized access to your computer via the Internet.
- (1) Popup blocker
 - (2) Firewall
 - (3) Spyware blocker
 - (4) None of these
38. The capacity of your hard drive is measured in
- (1) MHz
 - (2) Mbps
 - (3) Gigabytes
 - (4) None of these
39. What does a escape code represent?
- (1) Alert
 - (2) Backspace
 - (3) Tab
 - (4) None of these
40. From what location are the 1st computer instructions available on boot up?
- (1) ROM BIOS
 - (2) CPU
 - (3) Boot.ini
 - (4) None of these

INTERACTIVE SECTION

41. Sharvan Joshi is a student of Political Science and is a keen researcher of Political issues related to various countries and states. He wants to share his research and his own opinion on the issues on day-to-day basis with everyone on World Wide Web. He is also interested in collecting views of others to enhance his research and knowledge related to his area of interest. He belongs to a middle class family and can't afford his own website. Also being a non-technical person he can't create a dynamic website to deal with day-to-day inputs. Name popularly used free services that can help Sharvan in this regard.

- (1) Twitter (2) Google Blogger
(3) Both (1) and (2) (4) None of these

42. Laleema Chakradhar wants a broadband connection for accessing her mails and staying informed about the latest happenings in the field of Biotechnology. Can you suggest two Internet Service Providers of India to be approached for the same?

- (1) VSNL (2) Airtel
(3) Both (1) and (2) (4) None of these

43. Identify domain name from the following options:

- (1) yoga@yoga.com
(2) doYogaEveryday.com
(3) www.doYogaEveryday.com/old/index.html
(4) none of these

44. Anita works in a Multinational Company and needs to work online from home also. She therefore requires fast Internet connection. Which type of Internet connection in your view would be best suited for her?

- (1) ADSL connection (2) Dial-up
(3) Both (1) and (2) (4) None of these

45. Which is the correct HTML statement?

- (1) <BODY BACKGROUND="Red">
(2)
(3)
(4) None of these

46. Look at the table called "Item" given below and answer the question.

Item Id	Item Name	Item Stock
Item DOP	Quantity Purchased	

Which two fields can act as the Primary Key from the above table?

- (1) Item Id and Item Stock
(2) Item Stock and Item Name
(3) Item ID and Item Name
(4) None of these

47. Sanchita is working for a nationalized bank and is in the process of creating a table to store the details of customers of the bank. Find out which of the following fields of table Bank can be selected as an Alternate Key.

Bank

Account No	Customer Name	Date of Birth
PAN Number	Opening Balance	

- (1) Account No (2) Date of Birth
(3) PAN Number (4) None of these

48. Which of these is not a computer?

- (1) Aptiva (2) Acorn
(3) Paseo (4) None of these

49. Cisco's Unified Wireless Solution provides a mesh solution. What devices do you absolutely need to purchase to run a Cisco solution?

- I. WCS II. Controller
III. Access point IV. Bridge

- (1) I and II (2) II and III
(3) I and IV (4) None of these

50. Which of the following services use TCP?

- I. DHCP II. SMTP
III. HTTP IV. TFTP
V. FTP

- (1) I, II and V (2) II, III and V
(3) I, II and IV (4) None of these



END OF THE EXAM