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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 | NIPO NATIONAL IIT-PMT OLYMPIAD |
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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, 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.**

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8
Class

A1
Paper
Code

L E V E L - 1

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THE HARVARD - IIT MATHEMATICS TOURNAMENT

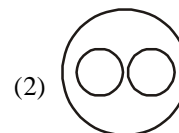
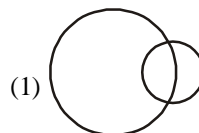
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EDUCATION FOUNDATION

MENTAL ABILITY

1. A sprinter goes off the starting block for 100 m run and at that instant the second-hand of a stopwatch had pointed towards North. He touches the finishing line exactly after 12 seconds. In which direction did the second hand point when he just crossed the finishing line ?
(1) 18° North of East (2) 18° East of North
(3) 72° North of East (4) None of these
2. Mother was asked how many gifts she had in the bag. She replied that there were all dolls but six, all cars but six, and all books but six. How many gifts had she in all ?
(1) 9 (2) 18
(3) 27 (4) None of these
3. Question given below has a problem and two statements I & II. Decide if the information given in the statement is sufficient for answering the problem: K, R, S and T are four players in Indian Cricket team. Who is the oldest amongst them?

I : The total age of K & T together is more than that of S
II : The total age of R & K together is less than that of S.

- (1) Data in statement I alone is sufficient
 - (2) Data in statement II alone is sufficient
 - (3) Data in both statement together is not sufficient
 - (4) None of these
4. Which of the following diagram/sets indicate the relation between women, mothers and parents ?



(4) None of these

5. Amongst five friends, Lata, Alka, Rani, Asha and Sadhana. Lata is older than only three of her friends. Alka is younger to Asha and Lata. Rani is older than only Sadhana. Who amongst them is the eldest ?

- (1) Asha (2) Lata
 (3) Alka (4) None of these

Question nos. 6 to 10 are based on the following information:

$\alpha, \beta, \gamma, \delta, \epsilon, \phi, \psi, \eta$ are sitting on a merry-go-round facing at the centre. δ is second to the left on η who is third to the left of α . β is fourth to the right of γ who is immediate neighbour of η . ψ is not a neighbour of β or γ . ϕ is not a neighbour of β .

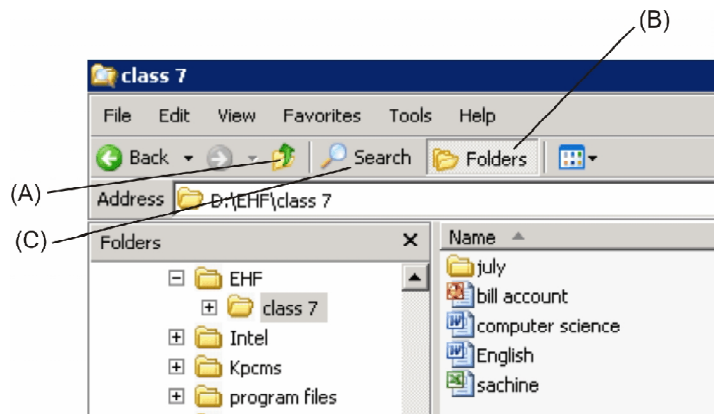
6. Who is third to the left of β ?
 (1) α (2) β
 (3) ϕ (4) None of these
7. In which of the following pairs is the first person sitting to the immediate right of the second person?
 (1) δ, ψ (2) β, ϵ
 (3) η, β (4) None of these
8. What is ϕ 's position with respect to ψ ?
 (1) Third towards right
 (2) Third towards left
 (3) Second towards right
 (4) None of these
9. Who is sitting between α and β ?
 (1) Both ϵ and η
 (2) Both ϕ and γ
 (3) Only ϵ
 (4) None of these
10. How many of them are sitting between γ and β ?
 (1) 0 or 6 (2) 1 or 5
 (3) 3 (4) None of these

COMPUTERS

11. Which one of the following is the High level language?
 (1) C language
 (2) COBOL
 (3) BASIC
 (4) All of these
12. If a computer is on but does not respond to a system reset, what is it said to be?
 (1) Off (2) Hung
 (3) Insensitive (4) None of these
13. By which of this can you connect two computers with each other?
 (1) Networking (2) Hardware
 (3) Terminal (4) None of these

Use the following information to answer questions 14 to 18:

Riddhi organised her class 7 folder and opened the below folder.



14. She clicks on "computer science". Which path will be displayed in the address bar?
 (1) D:\EHF\class 7
 (2) D:\EHF\class 7\computer science
 (3) D:\EHF
 (4) None of these
15. Which MS Word file has minimum data?
 (1) Computer science
 (2) Sachine
 (3) July
 (4) English
16. She wants to go back to her class 7 folder. On which icon would she click?
 (1) A (2) B
 (3) C (4) None of these
17. The folder CLASS 7 is found inside of
 (1) EHF (2) Intel
 (3) Kpcms (4) None of these
18. We can copy the location of any file or folder from
 (1) Title bar
 (2) Menu bar
 (3) Address bar
 (4) None of these
19. Control units are often called
 (1) Nerve centre
 (2) Master dispatcher
 (3) Clock
 (4) None of these

Use the following information to answer question nos. 20 to 24:

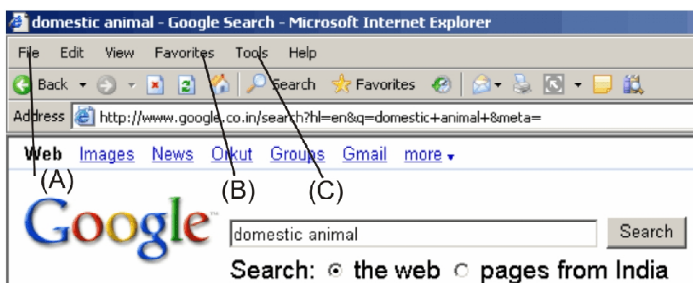
David is working with MS Word.



20. Which dialog box he has opened?
 (1) Word count (2) Statistics
 (3) View menu (4) None of these
21. He can insert the clip art through:
 (1) A (2) B
 (3) C (4) None of these
22. How many pages are there in the above shown document?
 (1) 1 (2) 2
 (3) 3 (4) None of these
23. What is the percentile size of this document?
 (1) 80% (2) 100%
 (3) 120% (4) None of these
24. On which page is he working?
 (1) First page (2) Second page
 (3) Third page (4) Data not available





Use the following information to answer questions 25 to 28.

Archita connects to internet for collecting information about domestic animals.



25. Which Web browser has been used for collecting the above information?
 (1) Opera (2) Netscape Navigator
 (3) Internet Explorer (4) None of these

26. She clicks on pages from India. Now
 (1) It will search only pages from India
 (2) It will search on the whole web
 (3) It will search only the google website
 (4) None of these
27. Which Search Engine did she use?
 (1) Yahoo (2) Google
 (3) MSN (4) None of these
28. She wants to connect to Eduheal website daily. Where should she save it?
 (1) A (2) C (3) B (4) None of these
29. Communication between computers using standard telephone service.
 (1) Requires a change to an analog signal
 (2) Is most efficient
 (3) Produce little noise and few disturbances
 (4) All of these
30. Http stands for
 (1) Hyper Text Transfer Protocol
 (2) Hypermedia Text Transfer Protocol
 (3) Hyperlink Text Transfer Protocol
 (4) None of these
31. Which of the following device is used to read bar coded data?
 (1) Magnetic Ink Character Recognition
 (2) Card Reader
 (3) Bar-code Reader
 (4) Optical Mark Reader
32. A CD – ROM is
 (1) An optical ROM (2) A magnetic ROM
 (3) An erasable ROM (4) None of these
33. Which one of the following covers broad geographical areas?
 (1) LAN (2) WAN (3) MAN (4) None of these
34. Which of the following is essential when we are going to search using a search engine?
 (1) Word must be in capital letter.
 (2) Use of 'and' word
 (3) Use of verbs
 (4) None of these
35. Multimedia includes
 (1) Video (2) Text (3) Animation (4) All of these
36. To view the received message in the mail box, one needs to click
 (1) Draft (2) Sent mail

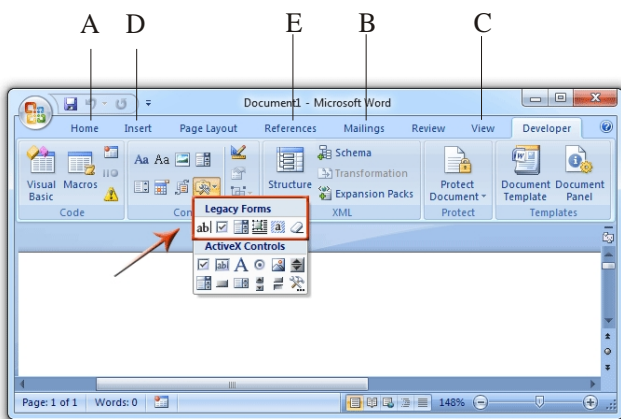
- (3) Inbox (4) None of these
37. Which of the following is the pencil tool of Paint software?
- (1)  (2)  (3)  (4) None of these
38. Which is a unit of measurement used with computer systems?
- (1) Byte (2) Kilobyte
(3) Megabyte (4) All of these
39. Which of the following is not possible in a word processor program?
- (1) View the document before printing
(2) Move parts of the text to other location
(3) Format the document
(4) None of these
40. Within the Windows Explorer, what is the function of this icon? 
- (1) Displays the Desktop
(2) Displays the contents of the floppy disk drive
(3) Displays a folder one level down
(4) None of these

INTERACTIVE SECTION

Use the following information to answer question nos. 41 to 45.

Riti wants to send greeting cards to all her teachers on the occasion of Teacher's day. So she is making the labels of teacher's addresses.

41. Which of the following is the mail merge toolbar?
- (1) A (2) B (3) C (4) None of these

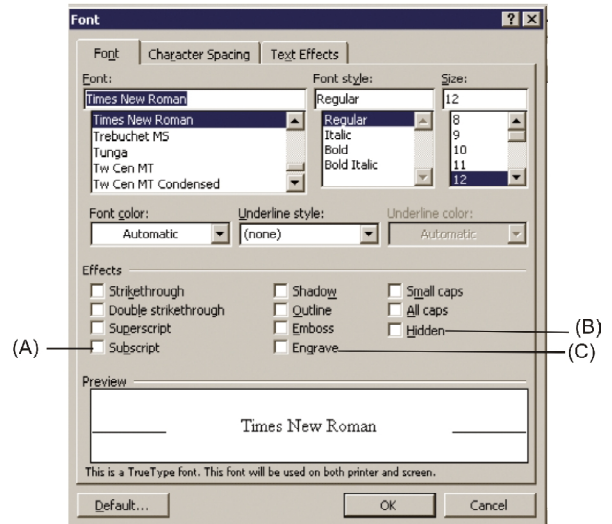


42. 'Ruler and Gridline' can be obtained by clicking
- (1) C (2) B (3) A (4) None of these
43. When she merged the data
- (1) All addresses gets automatically deleted from all the labels.
(2) There is no change in the addresses in the labels.

- (3) Half of Riti's addresses remain and another half hide in all the labels.
(4) None of these
44. 'Insert footnote' can be obtained by clicking
- (1) Left (2) Right
(3) Center (4) None of these
45. ClipArt, AutoShapes and WordArt all are found by clicking
- (1) B (2) C (3) D (4) None of these
46. To select several cells or ranges that are not touching each other, you would ... while selecting
- (1) hold down the Ctrl key (2) hold down the Shift key
(3) hold down the Alt key (4) hold down Ctrl + Shift key

Use the following information to answer the question nos. 47 to 50.

Ratan modifies his text as given in the Font dialog box.



47. Which font size has he chosen?
- (1) 12 (2) 8 (3) 11 (4) 10
48. Which of the following can be used to hide the text?
- (1) A (2) B (3) C (4) None of these
49. The above dialog box appears when you click on _____ in the menu bar.
- (1) Format (2) Insert
(3) View (4) None of these
50. What happens if he presses the default button?
- (1) The original MS Word settings will be used
(2) The application will show fault and shut down
(3) A new dialog box will appear showing your file name
(4) None of these



END OF THE EXAM