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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 prospects/website for details

- 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.
- 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.
- 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.**

EHF
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9
Class

A1
Paper Code

LEVEL - 1

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THE HARVARD - IIT MATHEMATICS TOURNAMENT

ORACLE ThinkQuest
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MENTAL ABILITY

- Twenty four teams are divided into 4 groups of six teams each. Within each group the teams play each other exactly once. The winners of each group then play in the semi-finals. Winners of the semi-finals play in the finals and losers for the 3 place. How many matches are played?
(1) 60 (2) 63
(3) 64 (4) None of these

Take the given statement(s) as true and decide which of the conclusion logically follows from the statements.

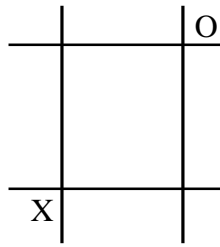
Statement: All Actors are Musicians. No Musician is a Singer. Some Singers are Dancers. Some Dancers are Musicians.

Conclusions :

- I : Some Actors are Singers
- II : Some Dancers are Actors
- III : No Actor is a Singer

- (1) Only conclusion I follows.
 - (2) Only conclusion III follows.
 - (3) Exactly one of conclusion I, III follows.
 - (4) Only conclusion II follows.
- Statement : All Clocks are Alarms. No Clocks are Cuckoos. All Cuckoos are Alarms. Some Cuckoos are Birds.
Conclusion :
I : Some Alarms are Birds.
II : No Clock is a Bird
III : All Birds are Alarms
(1) Only conclusion I follows.
(2) Only conclusion II follows.
(3) Only conclusion III follows.
(4) None of these
- Two players X and O play a game of "noughts and crosses" on a 3×3 grid. The purpose of the game is for a player to get 3 symbols belonging to the player in a straight line

(vertically, horizontally or diagonally). Each player marks one symbol on his or her turn. After two moves (1 turn each), the grid looks as follows with X to play next. Where should X put his symbol next so that he will always win this game regardless of how well O plays?



- (1) Bottom row right corner
- (2) Bottom row middle cell
- (3) Middle row left most cell
- (4) None of these

4. A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting next to E, who is sitting on the left end of the bench. C is on the second position from the right. A is to the right of B and E. Counting from the left, in which position is A sitting?

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

5. I left home for bringing milk between 7am and 8am. The angle between the hour-hand and the minutehand was 90° . I returned home between 7 am and 8 am. Then also the angle between the minute-hand and hour-hand was 90° . At what time (nearest to second) did I leave and return home?

- (1) 7h 18 m 35s & 7h 51m 24s
- (2) 7h 19m 24s & 7h 52m 14s
- (3) 7h 21m 49s & 7h 54m 33s
- (4) None of these

6. I left home at 3:00pm and returned at 3:48pm. The clock was rotated by 45° , so that when I left, the hourhand of a clock was pointing along the south-east direction. In which direction would the hour-hand point when I returned?

- (1) 15° East of South
- (2) 21° East of South
- (3) 63° South of East
- (4) None of these

7. A man has some hens and cows. If the number of heads be 48 and number of feet equals 140, then the number of hens will be

- (1) 22
- (2) 23
- (3) 24
- (4) None of these

8. In a joint family there are father, mother, 3 married sons and one unmarried daughter. Of the sons, 2 have 2 daughters each and one has a son. How many female members are there in the family?

- (1) 6
- (2) 3
- (3) 9
- (4) None of these

9. If F is the brother of A, C is the daughter of A, K is the sister of F and G is the brother of C. Who is the uncle of G?

- (1) A
- (2) C
- (3) F
- (4) None of these

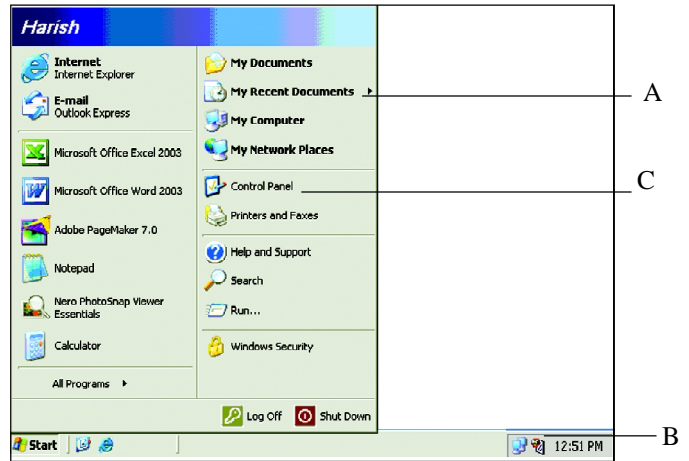
10. Find the odd word in the given options

- (1) Analysis
- (2) Search
- (3) Conclusion
- (4) None of these

COMPUTER

Use the following information to answer question 11 and 12:

Harish is working in MS Word file and saved that file. After working he closed that file.



11. He wants to reopen that file but he has forgotten the right path of the file. He can open it with the help of

- (1) A
- (2) B
- (3) C
- (4) None of these

12. He wants to reset the timing. How it will be done?

- (1) Double clicking on B and then reset the timing
- (2) Click on C and then reset the time
- (3) Click on A to get the clock folder
- (4) None of these

13. Madhav wants to hide the toolbars. With the help of which menu he can do so?

- (1) Edit
- (2) View
- (3) Insert
- (4) Format

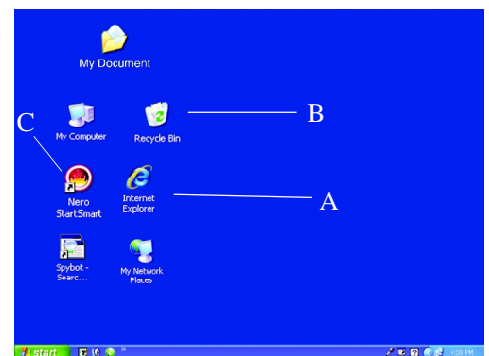
14. An integrated circuit is

- (1) A simple circuit
- (2) An integrating device
- (3) Fabricated on a tiny silicon chip
- (4) None of these

Use the following Window to answer question 15 and 16:

15. Dinesh by mistake deleted his excel file which was saved in C:\. From where he would be able to restore it?

- (1) A
- (2) B
- (3) C
- (4) None of these



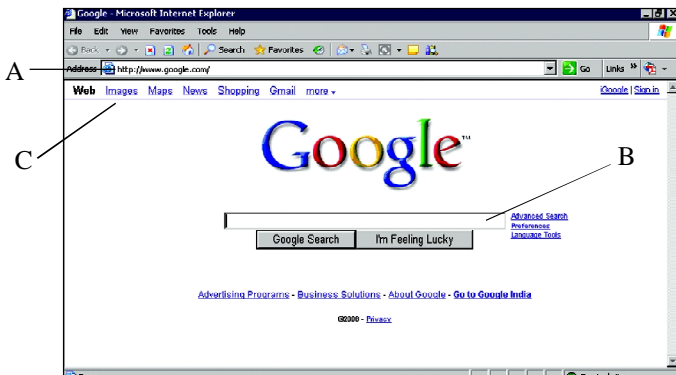
16. What is displayed on the Monitor?
 (1) Desktop (2) MS Word
 (3) MS Excel (4) None of these
17. What will be the formula to be put in cell H3 to get the total of the marks scored by students in all subjects?

MARKSHEET						
Name of the student	Eng.	Hindi	Math	Com.	Science	Total
Lalit	75	60	80	55	56	326
Pooja	85	55	50	60	86	316
Aman	55	65	60	70	71	321
Ravi	45	60	70	64	80	319
Rakhi	60	55	50	54	75	294
Ritu	70	45	55	68	80	318

- (1) = Sum (C3 : G3) (2) = Sum (C3 : G4)
 (3) = Sum (C4 : F4) (4) = Sum (C4 : H4)

18. In which toolbar spelling and grammar icon appears?
 (1) Standard toolbar (2) Formatting toolbar
 (3) Table toolbar (4) None of these

Use the following Window to answer question nos. 19 to 22:

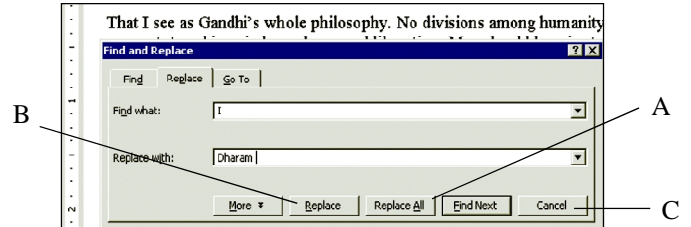


19. The website shown in the window is a
 (1) Search engine
 (2) Web browser
 (3) Uniform resource locator
 (4) None of these
20. 'Ankit can search information in English language only.'
 The statement is
 (1) True (2) False
 (3) Data incomplete (4) None of these
21. By using which link he will be able to search pictures?
 (1) A (2) B
 (3) C (4) None of these

22. Which one of the following is called address box?
 (1) A (2) C
 (3) B (4) None of these
23. Web is
 (1) Part of internet (2) Different from internet
 (3) Same as internet (4) None of these

Use the following information to answer questions 24 and 25:

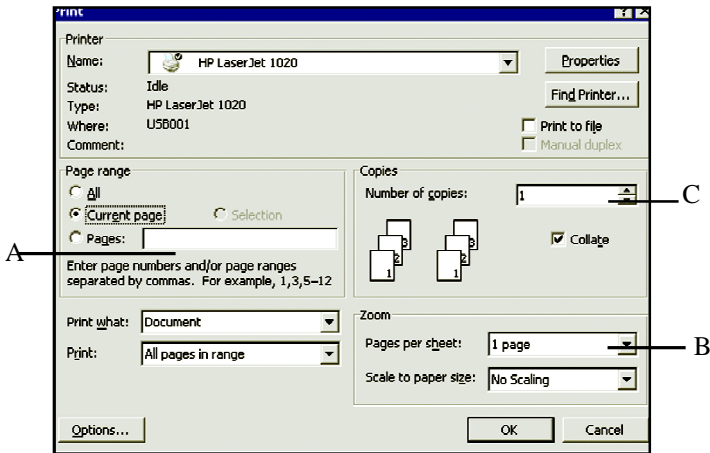
Dharam is typing an article on 'Mahatma Gandhi' in MS Word.



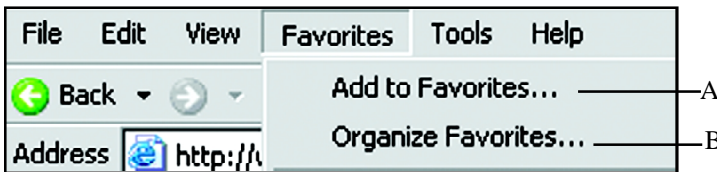
24. Which box he would click so that changes appear in whole document?
 (1) A (2) B
 (3) C (4) None of these
25. Which one of the following is shortcut for above given dialog box?
 (1) Ctrl +H (2) Ctrl +G
 (3) Ctrl + R (4) None of these
26. The desktop is found in which drive of computer
 (1) A:\ (2) C:\
 (3) D:\ (4) None of these
27. E-mail stands for
 (1) Electrical mail (2) Electronic mail
 (3) Energetic mail (4) None of these
28. The information on a computer is stored in
 (1) Windows and desktop
 (2) Menus and dialog boxes
 (3) Files and folders
 (4) None of these
29. The option of writing subscript characters is found in the
 (1) Table menu (2) Format menu
 (3) View menu (4) Insert menu
30. Radha renames her folder named as "FF" into "Radha/Sudha". If she presses 'enter',
 (1) Computer shows error message
 (2) No message is displayed
 (3) Folder is renamed
 (4) None of these

Use the following Window to answer questions 31 to 33:

Praveen is working in MS Word and typing an article on football.



31. He clicked on OK button (as shown in above figure). Which one of the following would be printed?
- All pages of the document
 - Current page of the document
 - Page number 3
 - None of these
32. He wants to print 2 copies of his document. Where he should he type for the desired result?
- A
 - B
 - C
 - None of these
33. Which printer is he using?
- HP Laser Jet 1020
 - HP Laser Jet 1320
 - HP Laser Jet 3005
 - None of these
34. Johnny wants to change the name of the website which is already added up in favorite list. Which one of the following he has to choose?



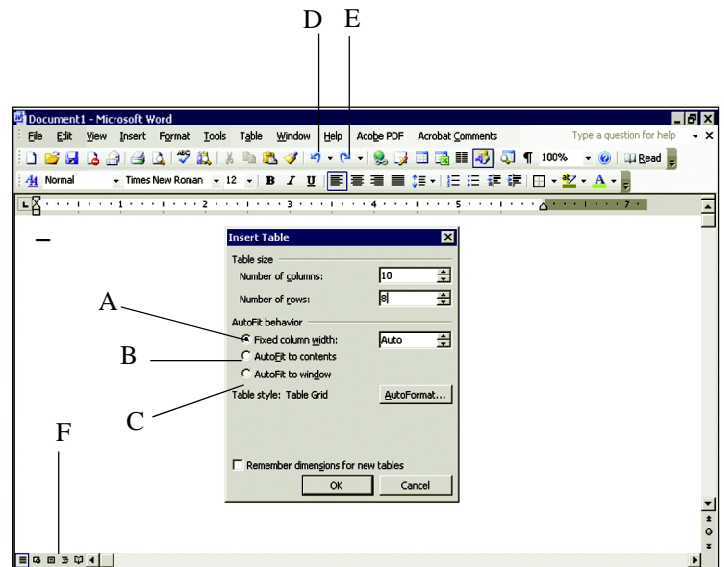
- A
 - B
 - Both (1) and (2)
 - None of these
35. What is the name of the list that stores the URL's of Web pages and links visited in the past few days?
- Link list
 - Page list
 - History list
 - None of these
36. The operating system is a type of
- System software
 - Application software
 - Language processor
 - None of these

37. Word wrap means
- Inserting spaces between words.
 - Aligning text with the right margin.
 - Moving text automatically to the next line.
 - None of these
38. Which one of the following is not available in format menu of Notepad Window?
- Word wrap
 - Font
 - Paragraph
 - None of these
39. Which one of the following is dangerous for computers?
- Worms
 - Virus
 - Both (1) and (2)
 - None of these
40. Which is the first commercial computer used for vacuum tubes?
- UNIVAC
 - ABACUS
 - MARK I
 - None of these

INTERACTIVE SECTION

Use the following information to answer question nos. 41 to 44:

Piyush wants to make a table in MS Word.



41. Which of the following he can use for undo?
- D
 - E
 - Both (1) and (2)
 - None of these
42. He wants rows and columns to adjust according to the content. Which one he should choose?
- A
 - B
 - C
 - None of these
43. The file will be saved in :
- .doc extension
 - .xls extension
 - .txt extension
 - None of these

44. He wants to see document in Print Layout View. What should he select?

- (1) E (2) F
 (3) Both (1) and (2) (4) None of these

45. Which one of the following icon is used for font colour?

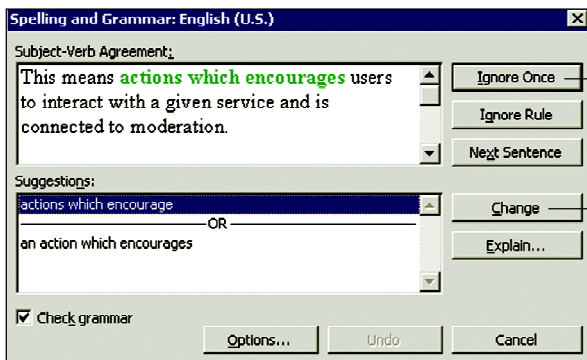
- (1)  (2) 
 (3)  (4) none of these

46. Which one of the following statement is not true?

- (1) Ctrl +down key will move cursor to the end of the current paragraph.
 (2) Grammar check can be performed in MS Word.
 (3) Assembler translates high level language to machine language.
 (4) None of these

Use the following information to answer questions 47 and 48:

Himanshu is working in the MS Word. He use the spelling and grammar option for checking his grammar and spelling.



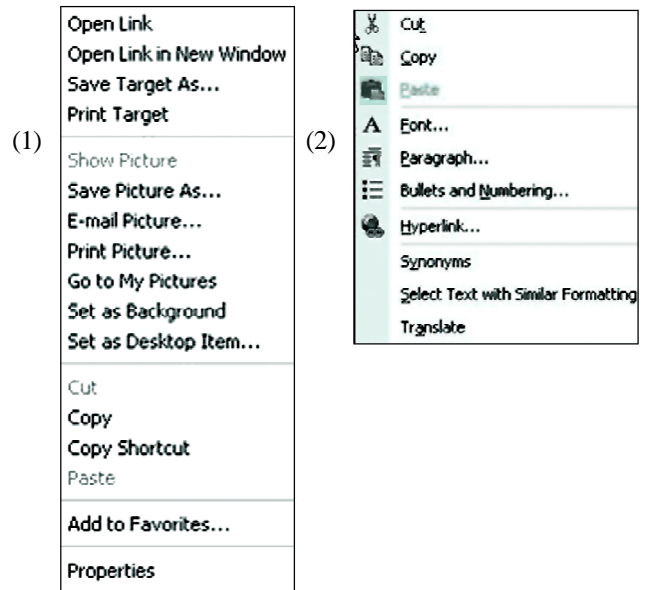
47. Which shortcut key is used for the above dialog box?

- (1) F7 (2) F6
 (3) F5 (4) None of these

48. He doesn't want to make any changes in the document. Which option he would click ?

- (1) A (2) B
 (3) C (4) None of these

49. Which of the following short cut menu will appear when you right click on the desktop?



- (3) (4) None of these

50. Monika saved her file in D:\. Where is this file saved in CPU?

- (1) Hard disk (2) Floppy drive
 (3) CD drive (4) None of these



END OF THE EXAM