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- 3] Micro-processor 4] Micro-transistor

Directions for Questions 16 to 20: Read the passage and answer the questions that follow on the basis of the information provided in the passage.

Dynamic Link Libraries

Windows provides several files called dynamic link libraries (DLLs) that contain collections of software code that perform common functions such as opening or saving a file. When Windows application wants to use one of those functions or routines, the application sends a message to Windows with the names of the DLL file and the function. This procedure is known as calling a function. One of the most frequently used DLLs is Windows COMMDLG.DLL, which includes among others, the functions to display File Open, File Save, Search, and Print dialog boxes. The application also sends any information that the DLL function will need to complete the operation. For example, a program calling the Open File function in COMMDLG.DLL would pass along a file spec, such as *. * or *.DOC, to be displayed in the dialog box's Filename text box. The application also passes along a specification for the type of information it expects the DLL to return to the application when the DLL's work is done. The application, for example, may expect return information in the form of integers, true/false values, or text. Windows passes the responsibility for program execution to the DLL, along with the parameters and the return information the DLL will need. The specific DLL is loaded into memory, and then executed by the processor. At this point the DLL, rather than the application, runs things. The DLL performs all the operations necessary to communicate with Windows and, through Windows, with the PC's hardware. After the DLL function is complete, the DLL puts the return information into memory, where it can be found by the application, and instructs Windows to remove the DLL routine from memory. The application inspects the return information, which usually tells whether the DLL function was able to execute correctly. If the operation was a success, the application continues from where it left off before issuing the function call. If the operation failed, the application displays an error message.

16. By using DLLs, Windows:
- | | |
|--------------------------|-----------------------------------|
| 1] Saves processing time | 2] Multitasks |
| 3] Shares program code | 4] Communicates with PCs hardware |
17. To use any routine of a DLL, Windows:
- 1] Searches and copies it in the application code and executes it
 - 2] Loads the DLL file and searches and executes the routine
 - 3] Loads just the required routine in memory and executes it
 - 4] Searches the location of the routine and instructs the application to execute it
18. Which information does an application need to pass to Windows to use a DLL routine?
- 1] Just the name of the routine
 - 2] Just the name of the DLL, which finds in turn the routine to be executed in return
 - 3] Both the name of the routine as well as DLL and any parameters
 - 4] Name of the DLL, routine, any parameters and type of information to be returned

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- 1] South 2] North-West 3] West 4] South-West
28. In a row of 60, if Ram is standing at the position 17th from the first, what is his position from the last?
1] 25 2] 43 3] 44 4] 45
29. A man is facing northwest. He turns 90 degrees in anti clockwise direction and then 135 degrees in anti-clockwise direction. Which direction is he facing now?
1] East 2] West 3] North 4] South
30. There are two pipes in a tank. Pipe A is for filling the tank and Pipe B is for emptying the tank. If A can fill the tank in 10 hours and B can empty the tank in 15 hours then find out how many hours it will take to completely fill a half empty tank?
1] 30 hours 2] 15 hours 3] 20 hours 4] 33.33 hours

Directions for Questions 31 to 35: In the following questions mark:

- 1] if the question can be answered with the help of statement I alone.
2] if the question can be answered with the help of statement II alone.
3] if the question can be answered with the help of both I and II.
4] if the question cannot be answered at all.
31. What is the value of P?
I. P and Q are integers II. $PQ = 10, P + Q = 5$
32. Who got the highest score in the Mathematics examination, among Sumit, Amit and Namit? No two students got the same marks.
I. Sumit got more marks than Namit.
II. Amit did not get lesser marks than Sumit, who did not get lesser marks than Namit.
33. How many hours does it take for some boys and girls in a camp to put up the tent?
I. There are 4 boys and 7 girls.
II. A girl can put up the tent in 5 hours and a boy can put up the tent in 3 hours.
34. If p, q, r, s and t are in an Arithmetic Progression, is r the largest among them?
I. $t > 0$ II. $p, q < 0$
35. Is X a whole number, if $X > 0$?
I. $2X$ is an even number. II. $3X$ is an odd number.

Directions for Questions 36 to 39:

In a certain code, the symbol for 0 (zero) is * and that for 1 is \$. The numbers greater than 1 are to be written only by using the two symbols given above. The value of the symbol for 1 doubles itself every time it shifts one place to the left. (For example, 4 is written as \$**\$; and; 3 is written as \$\$)

36. $11 \times 17 / 10 + 2 \times 5 + 3 / 10$ can also be represented as:
1] \$*\$\$* 2] \$**\$\$ 3] \$\$\$*\$ 4] \$**\$\$

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37. 260 can be represented as:
1] \$****\$** 2] \$\$*\$\$\$\$\$ 3] \$\$*\$\$\$\$** 4] \$*****\$**
38. 60 / 17 can also be represented as:
1] \$\$\$*\$** / \$\$**\$\$ 2] \$\$\$***** / \$\$**\$\$
3] \$*\$*\$** / \$\$**\$\$ 4] \$\$*\$*\$** / \$\$**\$\$
39. \$**\$ can be represented as:
1] \$\$\$ / \$* 2] \$*\$** - \$\$
3] \$*\$*\$ - \$\$ 4] \$\$\$**\$ - \$\$
40. At what time are the hands of a clock together between 2 and 3 p.m.?
1] 2/11 hours past 2 p.m. 2] 2/9 hours past 2 p.m.
3] 2/9 hours past 2 p.m. 4] 2 : 10 p.m.

Section 3: Logical Reasoning (15 questions)

Directions for Questions 41 to 45: Follow the directions given below to answer the questions that follow. Your answer for each question below would be:

- 1] if ALL THREE items given in the question are exactly ALIKE.
2] if only the FIRST and SECOND items are exactly ALIKE.
3] if only the FIRST and THIRD items are exactly ALIKE.
4] if only the SECOND and THIRD items are exactly ALIKE.
41. LLMLLLKLMPUU, LLMLLLKLMPUU, LLMLLLKLMPUU
42. 0452-9858762, 0452-9858762, 0452-9858762
43. NIINIININN, NIININNINN, NIINIININN
44. 4665.8009291, 4665.7999291, 4665.8009291
45. 808088080.8080, 808008080.8080, 808088080.8080
46. If * stands for /, / stands for -, + stands for * and - stands for +, then $9 / 8 * 7 + 5 - 10 = ?$
1] 13.3 2] 10.8 3] 10.7 4] 11.4
47. If * stands for /, / stands for -, + stands for * and - stands for +, then $9 / 15 * 9 + 2 - 9 = ?$
1] 14.7 2] 15.3 3] 14.1 4] 16.2
48. If * stands for /, / stands for -, + stands for * and - stands for +, then which of the following is TRUE?
1] $36 / 12 * 4 + 50 - 8 = -106$ 2] $12 * 8 / 4 + 50 - 8 = 45.5$
3] $36 * 4 / 12 + 36 - 8 = 4.7$ 4] $8 * 36 / 4 + 50 - 8 = 300$

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54. Soma has 2 years of experience in Welsh Inc. and 2 years of experience in Franc Inc., both leading call centers abroad, as a manager. She has a management degree from a premier management institution. She turned 30 this December (2002). She is a B.Com Graduate from St. Xavier's, Calcutta. If she applies for the post, she will:
- | | |
|---|----------------------|
| 1] Be interviewed directly by the VP Operations | 2] Not be considered |
| 3] Be interviewed by the HR | 4] Recruited |
55. Salina has over 4 years of experience in Care Touch, a leading call center, as a manager. She completed her MBA from Ranchi and worked in Singapore for UNO for 2 years before joining Care Touch. She will be:
- | | |
|-------------------------------------|----------------------|
| 1] Recruited | 2] Rejected |
| 3] Interviewed by the VP Operations | D) Data insufficient |

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