

# MENTAL ABILITY

1. Rajesh is elder 3 days 10 hours from Vikas. The date of birth of Vikas is 21 Nov. at 7 A.M. then, what will be the date of birth of Rajesh?

- (1) 16 November
- (2) 17 November
- (3) 18 November
- (4) 19 November

2. First day of the month is wednesday and last day of the same month is tuesday then which one will be that month?

- (1) January
- (2) February
- (3) March
- (4) August

3. Write in a correct sequence:

- |              |               |
|--------------|---------------|
| (a) Rainbow  | (b) Rain      |
| (c) Sun      | (d) Happiness |
| (e) Children |               |
- (1) dbcea                      (2) deabc
  - (3) badce                     (4) bcaed

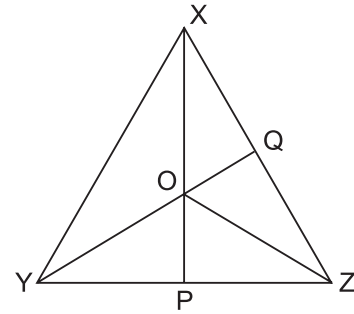
4. In the group of 26 girls Rekha's position is 7<sup>th</sup> from the bottom. What is the position of 'Rekha' from the top of the group?

- (1) 20<sup>th</sup>                        (2) 21<sup>st</sup>
- (3) 22<sup>nd</sup>                      (4) 17<sup>th</sup>

5. In a coded language SHOP = 8256, WORK = 9573 and HOME = 2541 then the code for SMOKE will be

- (1) 84531                      (2) 84562
- (3) 84351                      (4) 85431

6. What will be the number of triangles in the given figure?



- (1) 9                              (2) 11
- (3) 10                            (4) 12

7. Find the wrong number:

11, 5, 20, 12, 40, 26, 74, 54

- (1) 5                                (2) 20
- (3) 40                              (4) 26

8. Arrange the following words according to english dictionary.

- |              |             |
|--------------|-------------|
| (a) Preach   | (b) Praise  |
| (c) Precinct | (d) Precept |
- (1) 2, 1, 4, 3                      (2) 2, 1, 3, 4
  - (3) 1, 2, 3, 4                      (4) 4, 3, 2, 1

9. Select the correct set of symbols which will fit in the given equation:  $5 \ 0 \ 3 \ 5 = 20$ .

- (1) x, x, x                        (2) -, +, x
- (3) x, +, x                        (4) +, -, x

10. Sunita goes 30 km towards North from a fixed point, then after turning to her right she goes 15 km. After this she goes 30 km after turning to her right. How far and in what direction is she from her starting point?

- (1) 45 km, East                      (2) 15 km, East
- (3) 45 km, West                      (4) 45 km, North

# COMPUTERS

11. Write two member function belonging to ofstream class.

- (1) seekp(),tellp()
- (2) seekg(),tellg()
- (3) both (1) and (2)
- (4) none of above

12. #include <iostream>

using namespace std;

int main()

```
{
char* buff;
try {
    buff = new char[1024];
    if (buff == 0)
        throw "Memory allocation failure!";
    else
        cout << sizeof(buff) << "Byte successfully
allocated!"<<endl;
}
catch(char *strg) {
    cout<<"Exception raised: "<<strg<<endl;
}
return 0;
}
```

- (1) 4 bytes allocated successfully.
- (2) 8 bytes allocated successfully.
- (3) memory allocation failure.
- (4) depends on the size of data type.

13. #include<iostream>

using namespace std;

class Test

```
{
private:
    static int count;
public:
```

```
Test& fun();};
int Test::count = 0;
Test& Test::fun()
{
    Test::count++;
    cout<<Test::count<<" ";
    return *this;
}
int main()
{
    Test t;
    t.fun().fun().fun().fun();
    return 0;
}
```

- (1) 1 2 3 4
- (2) 1 2 3 3
- (3) 1 3 3 4
- (4) 2 2 3 4

14. Pick out the correct syntax of operator conversion.

- (1) operator float()const
- (2) operator float()
- (3) operator const
- (4) none of these

15. From where does the template class derived?

- (1) regular non-templated C++ class
- (2) templated class
- (3) (1) or (2)
- (4) none of the mentioned

16. What is the difference between a MESSAGEBOX and an ALERT?

- (1) A messagebox can be used only by the system and cannot be used in user application while an alert can be used in user application also.



24. What is the use of extent in Oracle?
- (1) Stores user data within the database.
  - (2) Stores rollback information used when data must be rolled back.
  - (3) Minimize the amount of wasted (empty) storage.
  - (4) None of the mentioned.

25. Gaurav said: Oracle-supplied package called DBMS\_LOB is used to manipulate the LOB objects.  
Rohan said: Oracle-supplied class called DBMS\_LOB is used to manipulate the LOB objects.
- (1) Gaurva is correct.
  - (2) Rohan is correct.
  - (3) Both are wrong.
  - (4) Both are correct.

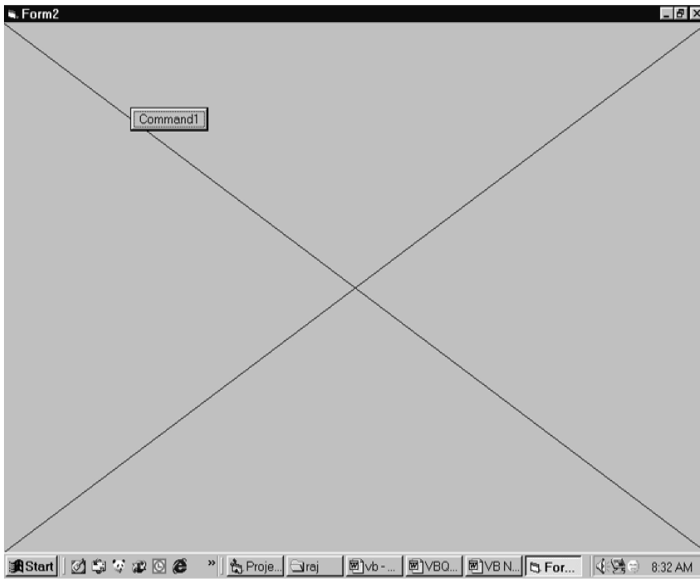
26. A text box can hold as many as ..... characters for a multi-line text.
- (1) 42000
  - (2) 48000
  - (3) 23000
  - (4) 32000

27. What is displayed when the button is clicked?
- ```
Private Sub btnDisplay_Click() Handles btnDisplay.
Click
Dim a, b as String
Dim x as Integer
a = "How now brown cow."
b = "brown"
x = FindIt(a, b)
txtBox.Text = CStr(x)
End Sub
Function FindIt(ByVal z1 as String, ByVal z2 as
String) As Integer
```

```
Dim x as Integer
x = z1.IndexOf(z2)
```

- (1) 8
  - (2) 0
  - (3) An error
  - (4) None of the above
28. The statement Const TAX\_RATE As Doubleface =Calibri size=2> is not valid.
- (1) True
  - (2) False
  - (3) Can not say
  - (4) None of these
29. What will be the output of the following program when the button is clicked?
- ```
Private Sub btnDisplay_Click() Handles btnDisplay.
Click
Dim word, result As String
word = "Benjamin"
result = Rotate(word)
result = Rotate(result & word)
result = Rotate(result)
txtBox.Text = result
End Sub
Function Rotate(ByVal var As String) As String
Dim varlength As Integer
varlength = var.Length
Return var.Substring(1) & var.Substring(0, 1)
End Function
```
- (1) jaminBBenjaminen
  - (2) BenjaminBenjamin
  - (3) njaminBe
  - (4) none of above

30. What will be the VB code in a click event of a button to draw “X” across a form by using line function?



- (1) Private Sub Command1\_Click()  
Me.Line (Me.ScaleLeft, Me.ScaleTop)-(Me.  
ScaleWidth, Me.ScaleHeight)  
Me.Line (Me.ScaleWidth, Me.ScaleTop)-(Me.  
ScaleLeft, Me.ScaleHeight)
- (2) Private Sub Command1\_Click()  
Me.Line (Me.ScaleLeft, Me.ScaleTop)-(Me.  
ScaleWidth, Me.ScaleHeight)  
Me.Line (Me.ScaleWidth, Me.ScaleTop)-(Me.  
ScaleHeight, Me.ScaleHeight)
- (3) Private Sub Command1\_Click()  
Me.Line (Me.ScaleLeft, Me.ScaleTop)-(Me.  
ScaleWidth, Me.ScaleWidth)  
Me.Line (Me.ScaleWidth, Me.ScaleTop)-(Me.  
ScaleLeft, Me.ScaleHeight)
- (4) None of these

31. Define the right output.

```
text1.text="hello"  
text2.text=left(text1.text,3)
```

- (1) hel
- (2) lo
- (3) llo
- (4) elo

32. Which symbol creates an access key in the text of a menu item?

- (1) @
- (2) #
- (3) \$
- (4) &

33. The cancel button property belongs to which object?

- (1) Button
- (2) Form
- (3) Label
- (4) Text box

34. Which is not true about forms and controls in visual basic?

- (1) They are pre-built.
- (2) They are graphical objects.
- (3) New versions of the classes must be created with each project.
- (4) Buttons can be created with the drag and drop method.

35. Which of the following statements is guaranteed to pass the variable numVar by value to the Sub procedure fun?

- (1) fun(numVar)
- (2) fun(ByVal numVar)
- (3) fun((numVar))
- (4) fun(ByVal numVar As Double)

36. Suppose the variable my name is declared in a value statement in two different sub procedures. Which statement is true?

- (1) The program will malfunction when it is executed.
- (2) When the value of my name is changed in one sub procedure, it will also be changed in the other sub procedure.
- (3) Visual Basic's smart editor will alert you that this is an error before the program is executed.
- (4) The two variables will be local to their respective sub procedures.

37. What will be the output of the following program when the button is clicked?

```
Private Sub btnDisplay_Click(...) Handles btnDisplay.Click
```

```
Dim number As Double = 3
```

```
DoubleAndSquare(number)
```

```
txtBox.Text = CStr(number)
```

```
End Sub
```

```
Sub DoubleAndSquare(ByRef myVar As Double)
```

```
myVar = myVar + myVar
```

```
myVar = myVar * myVar
```

- (1) 3
- (2) 36
- (3) 6
- (4) 0

38. Suppose a variable is passed by value to a parameter of a sub procedure, and the parameter has its value changed inside the sub procedure. What will the value of the variable be after the sub procedure has executed?

- (1) It will have the newly modified value from inside the sub procedure.
- (2) Its value can't be determined without more information.
- (3) It will retain the value it had before the call to the sub procedure.
- (4) None of above.

39. Which case clause will be true whenever the value of the selector in a select case block is between 1 and 5 or is 8?

- (1) Case 1 To 8
- (2) Case 1 To 5, 8
- (3) Case 1 To 8, 5
- (4) Case 1 To 5; 8

40. Constructs in which an If block is contained inside another If block are called:

- (1) multi-If blocks
- (2) nested If blocks
- (3) sequential If blocks
- (4) none of above

## INTERACTIVE SECTION

41. The complexity of the average case of an algorithm is

- (1) Much more complicated to analyze than that of worst case.
- (2) Much more simpler to analyze than that of worst case.
- (3) Sometimes more complicated and some other times simpler than that of worst case.
- (4) None of above

42. The minimum number of arithmetic operations required to evaluate the polynomial  $P(X) = X^5 +$

$4X^3 + 6X + 5$  for a given value of X using only one temporary variable.

- (1) 6
- (2) 7
- (3) 8
- (4) 9

43. If the values of a variable in one module is indirectly changed by another module, this situation is called

- (1) internal change
- (2) inter-module change
- (3) side effect
- (4) side-module update

44. Two main measures for the efficiency of an algorithm are
- (1) processor and memory
  - (2) complexity and capacity
  - (3) time and space
  - (4) data and space
45. When determining the efficiency of algorithm the time factor is measured by
- (1) counting microseconds.
  - (2) counting the number of key operations.
  - (3) counting the number of statements.
  - (4) counting the kilobytes of algorithm.
46. An algorithm is
- (1) a piece of code to be executed.
  - (2) a loosely written code to make final code.
  - (3) a step by step procedure to solve problem.
  - (4) all of the above.
47. Arrays are best data structures
- (1) for relatively permanent collections of data.
  - (2) for the size of the structure and the data in the structure are constantly changing.
  - (3) for both of above situation.
  - (4) for none of above situation.
48. Each array declaration need not give, implicitly or explicitly, the information about
- (1) the name of array.
  - (2) the data type of array.
  - (3) the first data from the set to be stored.
  - (4) the index set of the array.
49. EduSys Publication has a windows 2000 network serving 200 users. A server named user\_srv is used to hold users' files. User\_srv is configured with a single large NTFS volume. Every user has a home folder on User\_srv. Users can also use a shared folder named
- (1) Move some of the files from her home folder to the IN\_PROGRESS shared folder.
  - (2) Compress the files in her home folder to save disk space.
  - (3) Remove files from her home folder until the total uncompressed file size is less than 100 MB.
  - (4) Change the security settings of some of the files in her home folder to grant Full Control permissions to a user who has not reached the quota level.
50. Amongst the computer files there is one which is mostly used for maintaining such status information as balances in bank account records, stock on hand balances in inventory records and year to date earning amounts in payroll records .Can you tell the name of the file?
- (1) Transaction file
  - (2) Index file
  - (3) Backup file
  - (4) Master file
51. \_\_\_\_\_ is a defragment tool in all version of windows server.
- (1) LDIFDE
  - (2) LCIFDE
  - (3) LDDFDE
  - (4) LDDDFD
52. What is the basic syntax for Dsrms?
- (1) dsrm ObjectND.,,(subtree-(+exclude)) (+yesprompt) (\*c)
  - (2) dsrm ObjectDN. noprompt – c
  - (3) dsrm ObjectND...[-subtree [-exclude]] [-noprompt] [\*c]
  - (4) dsrm ObjectN....[-subtree [-exclude]] [noprompt] [c-]
53. The right to use a domain name is delegated by domain name registers which are accredited by
- (1) internet architecture board.
  - (2) internet society.
  - (3) internet research task force.
  - (4) internet corporation for assigned names and numbers.

54. Time synchronization is critical for the proper operation of many Windows services and line-of-business applications. The \_\_\_ uses the Network Time Protocol (NTP) to synchronize computer clocks on the network so that an accurate clock value, or time stamp, can be assigned to network validation requests and resource access requests.
- (1) Network Services Shell (Netsh)
  - (2) Windows Time service (W32time)
  - (3) Listsvc
  - (4) Fixmbr
55. Which of the following features is available when Windows Server 2012 is installed using the GUI option but without the desktop experience feature installed?
- (1) Metro-style start screen.
  - (2) Built-in help system.
  - (3) All of these.
  - (4) Windows Media Player.
56. In Windows Server 2012, you can remove the server graphical shell, resulting in the “Minimal Server Interface.” This is similar to a server with a GUI installation except that some features are not installed. Which of the following features is not installed in this scenario?
- (1) MMC
  - (2) Windows Explorer
  - (3) Control Panel (subset)
  - (4) Server Manager
57. You have just finished installing Windows Server 2012 on a new server. Your colleague has informed you that its essential that you must activate windows server. Which of the following command line tools can be used to activate windows server?
- (1) Cscript C:\windows\system32\slmgr.vbs -ato
  - (2) Netdom C:\windows\system32\slmgr.vbs -ato
  - (3) Ocsetup C:\windows\system32\slmgr.vbs -ato
  - (4) Netsh C:\windows\system32\slmgr.vbs -ato
58. Which of the following local groups is added on a file server to enable a user at a remote site to take manual backups of a file server once a week to a removable USB 2.0 device, that will be then transported by courier to your organization’s head office location?
- (1) Remote desktop users
  - (2) Administrators
  - (3) Backup operators
  - (4) Power users
59. Mukesh works in a company that has an ADDS forest that consists of a forest root domain plus five domains. He should create a group that contains 70 users who require access to resources in all six domains. All the user accounts are located in the forest root domain. Which of the following group scope he should use?
- (1) Universal
  - (2) Domain local
  - (3) Local
  - (4) Global
60. Which terminology is being described below:  
This trust is a manually created trust that shortens the trust path to improve the speed at which authentications, which occur between domain trees, are processed.
- (1) Quick trust
  - (2) Simple trust
  - (3) Easy trust
  - (4) Shortcut trust



**END OF THE EXAM**