1) A1 is correct  
Local Array variables are initialized to their default values.

2) A3)double []arr = new double[10];  
A1 is not valid because (new int[]) array size must be specified unless it is annonymous array declaration.  
A2 is not valid because array declaration must not specify the size of the array.

3) A2) Compiler Error   
non-static(instance) methods or variables are cannot be referenced from static context.Compiler will give the following error while compiling the above code: Test3.java:6: non-static method method() cannot be referenced from a static context method();

4) A1) "Called"   
Static methods canbe called only by referance.Because its not binded with objects.So, in this case "null" value doesn't make sense."method" is called without any problem.

5) A2)"Constructor2"  
Constructors cannot have return types. If its declared with return types then it is consider as methods. So, output wull be "Constructor2".

6) A3)Compiler Error

7) A3)Hai Hi

8) A1)public Test8(){}  
A3)protected Test8(int k){}

9) A3)final void method(){}  
A4)int method(){}

10) A1) class Test10  
A2) public Test10  
A3) final Test10

11) b)variable

12) c)final static class()  
d)public final strictfp class{}

13) b)public className()  
c)private className()

14) c)public  
d)final  
e)abstract

15) b)int arr[][] = new int [10][10];  
d)float arr[] = new float[10];

16) c)Static

17) d)Compiler Error

18) a)Main Method1

19) c)Runtime Exception

20) d)Compiler Error

21) A1)String  
A4)String Buffer

22) A4)None of the Above

23) A3)float f = 1.2;

24)A1) false true

25)A4)Compiler error

26) B) Compile time error while declaring variables

27) A) setBounds(), setVisible(), setFont()

28) A) Window, Applet

29) A) Frame's default layout manager is BorderLayout

30) A) A File class can be used to create files and directories  
 B) A File class has a method mkdir() to create directories