41	WAYGROUND formerly Quizizz	Name
Ja	va Test2	
	tal questions: 50	Class
	orksheet time: 25mins structor name: Prof. Harish T. Gwalani	Date
1110	Made Tiane. From Transmir. Gwalam	
1.	What is the default value of an object reference in Java?	va?
	a) empty	b) undefined
	c) 0	d) null
		,
2.	Which keyword is used to create an object in Java?	
	a) object	b) new
	c) create	d) class
3.	What does a constructor do in Java?	
	a) Destroys an object	b) Allocates memory
	c) Calls methods	d) Initializes an object
4.	Which keyword is used to define a class in Java?	
	a) struct	b) object
	c) class	d) define
5.	What is the return type of a constructor?	
	a) int	b) class type
	c) void	d) None
6.	Which method is called automatically when an object is	is created?
	a) constructor	b) finalize()
	c) init()	d) main()
7.	How many constructors can a class have?	
	a) Only one	b) Unlimited
	c) Two	d) None
	-,	

8.	Static methods belong to:		
	a) Class	b)	Package
	c) Object	d)	Variable
9.	Which of the following can access static variables?		
9.			
	a) Constructors only		Both static and instance methods
	c) Instance methods only	d)	Static methods only
10.	Can we overload constructors in Java?		
	a) No	b)	Only one is allowed
	c) Yes	d)	Only with different return types
44			
11.	Can a static method access non-static variables?		
	a) No	Í	Yes
	c) Only public variables	d)	Only final variables
12.	What is the default access modifier of class members?		
	a) public	b)	private
	c) package-private	d)	protected
13.	Can we make constructor static?		
	a) Yes	b)	Only in inner class
	c) Only in abstract class	d)	No
14.	Which of the following is true about static variables?		
	a) They are object-specific	b)	They must be final
	c) They are shared across all objects	d)	They cannot be initialized
15.	A constructor that takes no arguments is called:		
	a) Static constructor	b)	Null constructor
	c) Default constructor		Empty constructor
16.	Which keyword is used to access static members?		
	a) object name	b)	super
	c) class name	d)	this

17.	When is a static block executed?		
	a) After object creation	b)	Before main method
	c) After constructor	d)	Inside constructor
18.	Which of the following is true for static methods?		
	a) Must return int	h)	Can use this keyword
	c) Can access instance variables		Can be called without object
	-,	,	
19.	What happens if no constructor is defined in a class?		
	a) Java provides a default constructor	b)	Program doesn't compile
	c) Object cannot be created	d)	Error occurs
20.	Which of these is not a type of constructor?		
	a) Parameterized	h)	Сору
	c) Default		Static
		·	
21.	What will `new MyClass();` do?		
	a) Call destructor	b)	Make class static
	c) Create an object	d)	Declare class
22.	The `this` keyword refers to:		
	a) Current object	b)	Parent class
	c) Static variable	d)	Constructor
23.	Which keyword is used to prevent inheritance of a class	?	
	a) private		final
	c) static	d)	const
24.	Can we declare a static variable inside a method?		
	a) Only if final	b)	No
	c) Yes	d)	Only with class name
0E	Static veriables are started in		
25.	Static variables are stored in:		
	a) Usan mamani	·	Stack Method grad
	c) Heap memory	d)	Method area

26.	Constructor overloading is done by:		
	a) Changing return type	b)	Changing access modifier
	c) Changing method name	d)	Changing number/type of parameters
27.	Which of the following cannot be static?		
27.		1. \	Divide
	a) Constructorc) Variable		Block Method
	o) variable	u)	Wedied
28.	Can we call static method from non-static method?		
	a) No	b)	Yes
00			
29.	Can constructor be private?		
	a) No	b)	Yes
30.	Which of the following is not allowed with static methods?		
	a) Overloading	b)	Calling without object
	c) Calling from main		Overriding
31.	What is printed? class A $\{$ static int $x = 10$; public static void main(String[] args) $\{$ System.out.println(x); $\} \}$		
	a) 10	b)	Compilation error
	c) Runtime error	d)	0
32.	Which method is called when an object is garbage collected?		
	a) delete()	b)	finalize()
	c) destroy()	d)	close()
33.	Can static methods be abstract?		
	a) Yes	b)	No
34.	When is constructor called?		
	a) When object is created	b)	When method is called
	c) When object is deleted		When class is loaded
35.	Which statement is true about static blocks?		
	a) Multiple static blocks not allowed	b)	Only one per class
	c) Executes only once	d)	Executes after constructor

36.	What is the output? class Demo { static int count = 0; Demo() { count++; } public static void main(String[] args) { Demo d1 = new Demo(); Demo d2 = new Demo(); System.out.println(Demo.count); } }		
	a) 1	b) 0	
	c) 2	d) Compilation Error	
37.	Can we overload a static method?		
	a) No	b) Yes	
38.	What is the output? class A { static { System.out.println("Static block"); } public static void main(String[] args) { System.out.println("Main method"); } }		
	a) Main method	b) Static block	
	c) Static block Main method	d) Compilation error	
39.	Which of the following will not compile? class Test { static int x; static void show() { System.out.println(x); } pub static void main(String[] args) { show(); } }		
	a) None of the above	b) Runtime error	
	c) Compilation error	d) Compiles and prints 0	
40.	What is true about static block and static method?		
	a) None	b) Static method runs first	
	c) Static block runs before static method	d) Both run after main()	
41.	Can we use `this` inside a static method?		
	a) Yes	b) No	
42.	What happens if we remove constructor from class?		
	a) Java inserts default constructor	b) Object cannot be created	
	c) Code won't compile	d) Error	
43.	Which of these modifies all objects of the class?		
	a) static variable	b) final variable	
	c) Instance variable	d) private variable	

44.	What is the output? class A { int a = 5; static int b = 10; public static void main(String[] args) { A obj = new A System.out.println(obj.a + " " + b); } }		
	a) Compilation error	b) 5 10	
	c) 00	d) 50	
45. Choose the correct combination: - Static methods: ✓ - Can be inherited: ✓ - Can be ov		- Can be inherited: 💟 - Can be overridden: 🗶	
	a) Only static method is true	b) Only inheritance is false	
	c) All true	d) All false	
46.	46. Which is true for constructor?		
	a) Can be final	b) Must return object	
	c) Can be static	d) Cannot be abstract	
47.	7. What is the output? class Demo { static int a = 100; static { a = 200; } public static void main(String[] args System.out.println(a); } }		
	a) 200	b) Compilation error	
	c) 100	d) Runtime error	
48.	. Can you have both static and non-static methods with the same name?		
	a) No	b) Yes	
49.	Which of the following is not true?		
	a) Constructor name = class name	b) Constructor has no return type	
	c) Constructor returns object	d) Constructor is called with `new` keyword	
50.	When are static variables initialized?		
	a) At class loading	b) On object creation	
	c) At compile time	d) Inside constructor	

Answer Keys		
1. d) null	2. b) new	3. d) Initializes an object
4. c) class	5. d) None	6. a) constructor
7. b) Unlimited	8. a) Class	b) Both static and instance methods
10. c) Yes	11. a) No	12. c) package-private
13. d) No	14. c) They are shared across all objects	15. c) Default constructor
16. c) class name	17. b) Before main method	18. d) Can be called without object
19. a) Java provides a default constructor	20. d) Static	21. c) Create an object
22. a) Current object	23. b) final	24. b) No
25. d) Method area	26. d) Changing number/type of parameters	27. a) Constructor
28. b) Yes	29. b) Yes	30. d) Overriding
31. a) 10	32. b) finalize()	33. b) No
34. a) When object is created	35. c) Executes only once	36. c) 2
37. b) Yes	38. c) Static block Main method	39. d) Compiles and prints 0
40. c) Static block runs before static method	41. b) No	42. a) Java inserts default constructor
43. a) static variable	44. b) 5 10	45. c) All true
46. d) Cannot be abstract	47. a) 200	48. b) Yes
49. c) Constructor returns object	50. a) At class loading	