Mid + Terminal Exam Object Oriented Programming BSIT- 2021-25 Max Marks: 70

Note: Question 1 is of 30 marks, Question No 2 and 3 are of 20 marks each.

47	lowing english alphabe		W			
1 Which of the fol	Which of the following types is not primitive					
boolean	Array	String	float			
2 If access level is	not specified for a data	member than it is	1			
default	public	malanta	protected			
Mhich access mo	odifier should be used t	o make data members acce	ssible in sub class			
private	protected	public	none			
4 A method whose	name is exactly the sai	me as that of the class				
constructor	getter	setter	destructor			
5 Default construct	or takes how many arg					
0	1	2	3			
6 To make a private	data member accessib	ple outside class which of the	ne following is provided			
constructor	getter	setter	Both getter & setter			
7 Which keyword is	Which keyword is used to inherit a class from another class					
inherit	abstract	super	extend			
8 Objects are create	d in a special memory	area called				
stack	array	heap	RAM			
9 Objects are passed	l by					
Value	reference	pointer	address			
10 Two methods with	the same name but di	fferent signatures are said t	o be			
Over ridden	Over loaded	Over burdened	None of them			
11 When calling cons	tructor of the base clas	s which keyword is used				
toString	vextend	super	base			
12 Which of the follow	Which of the following is the base class of all classes					
Base	JDK	Object	Class			
13 Which package is a	available by default to					
java.util	java.main	java.lang	java.default			
1	Abstract class doesnot provide implementation of at least how many methods					
0		2 .	-3			
15 A collection of metl	nods with no implemen					
✓ Abstract class	Data hiding	Interface	Exception			
6 The value 14.5 is by		Micriace	Exception			
float	single	U double	1.40.011			
			both float & double			
Over ridden			in sub class Student it is			
o rei riddeli	Over loaded	Over burdened	None of them			



8	Ability to perform same action in many different ways is called						
	Abstraction	Encapsulatio		10	D. L. marchism		
9	Which of the fol	lowing block is used	n Generalization to contain statements that car	-	Polymorphism		
-	throw	catch		1 cause	an error		
20	Which of the fol		try		finally		
1	throw	and court	is executed when an exception	on occu	rs		
21		- catch	ltry		finally		
1	Which of the following block of code executes whether an exception occurs or not						
22	A STATE OF THE PARTY OF THE PAR	catch	try	4,0	finally		
4	5 / 0 will through which type of exception						
-	div / 0	div / zero	ArithmeticException		Arithmetic Exception		
23	Which of the following concept is similar to the words template, blueprint						
	object	4-class	constructor		API		
24	Which of the fol	lowing are the advan-	tages of object oriented progra	mming			
V	Modularity	Code reuse	✓ Information hiding	14	Easy debugging		
25	An object stores	its state in					
/	Variables	fields	methods		All of them		
26	An object exposes its behavior through						
A	fields	methods	functions		All of them		
27	PI is needed in calculation of area of a circle which of the following provides most accurate value						
1	3.14	22/7	✓ Math.PI		Math.pi		
28	Which of the following keyword is used to refer to the current object in a mothod or constructor						
-		which	this	100	eturn		
29	Exception class is the subclass of which of the following						
	Object	Throwable	Serializable	10	ang		
30	Which statement is used to create a custom error message						
	throw	✓ catch	try	6	nally		

## **Subjective Questions**

Question No 2: Create a class Person, with two string data members first\_name and last\_name, a default constructor which initialize them with empty strings " ", and a two argument constructor. Provide getter and setter methods for both first\_name and last\_name. Override the toString() method so that it prints first\_name and last\_name on separate lines.

(20 marks)

**Question No 3:** Create a class **Student** which inherits from the **Person** class. Create a new data member **grade** which can store one of the letters {A, B, C, D}. Define a default constructor which initializes grade with empty character '', and a 3 argument constructor. Provide getter and setters for grade. Override the toString() method so that it prints first\_name, last\_name and grade of the student on separate lines.

(20 marks)

