

G.T.N. ARTS COLLEGE (Autonomous), Dindigul EVEN Semester (2021 – 2022) OBE Regulation – 2020

Continuous Internal Assessment Test – I

Programme: BSc IT
Class: I year
Semester:II
Date: 20.4.22

Course Title: Programming in C#.NET Time: 09.30-11.00am
Course Code: 20UITC21 Max. Marks: 30

CO1	Depicts the basic concepts of .net frame work and specify the CLR with it's features.
CO2	Describes the C#.Net with Object Oriented View, it's various loops, and decision making,
CO3	Interpret Inheritance and Polymorphism, Interfaces, Operator overloading
CO4	Discuss the various tools on window controls illustrative applications.
CO5	Handle file, graphics features of .Net and explain how to create user control.

Qn. No.	Section – A Answer ALL the Questions (6 x 1 = 6)	CO(s)	K – Level
1	The are the Graphical User Interface (GUI) components	CO1	K1
	created for web based interactions.		
	A. Web forms B. Window Forms		
	C. Application Forms D. Note forms		
2	Default Type of number without decimal is	CO1	K1
	A Long Int B. Unsigned Long		
	C. Unsigned Int D. Int		
3	are reserved, and cannot be used as identifiers.	CO1	K1
	A. Keywords B. literal		
	C. variables D. Identifiers		
4	parameters are used to pass results back to the calling	CO2	K1
	method. A. Input B. Reference		
	C. Value D. Output		
5	The controls available in the tool box of are used to create	CO3	K1
	the user interface of a web based application.		
	A. Microsoft visual studio IDE B. Application window		
	C. Web forms D. Note forms		
6	In C#, having unreachable code is always a/an	CO3	K1
	A. Method B. Function		
	C. Error D. Iterative		
		<u> </u>	

Qn.	No.	Section – B Answer ALL the Questions (3 x 4 = 12)	CO(s)	K – Level
	A	Recall the Dot Net framework model.	CO1	K1
7		OR	<u> </u>	
	В	Define in detail about CLR and its features in .Net.	CO1	K1
	A	Give a report on decision making and looping.	CO2	K2
8		OR		
	В	Restate conditional operator and give example.	CO2	K2
	A	Observe the characteristics of a class and an object	CO3	K2
9		OR	ı	
	В	Classify Constructor and Destructor.	CO3	K2

Qn. No.	Section – C Answer any two Questions (2 x 6=12)	CO(s)	K – Level
10	State the dot net framework architecture with neat diagram.	CO1	K1
11	Summarize about array and its types.	CO2	K2
12	Report the difference between method overriding and method overloading?	CO3	K2

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G.T.N. ARTS COLLEGE (Autonomous), Dindigul

EVEN Semester (2021 – 2022)

OBE Regulation – 2020

Continuous Internal Assessment Test – I

Programme: BSc IT Semester:IV
Class: II year Date: 20.4.22

Course Title: Advanced Java Programming
Course Code: 20UITC41
Time: 01.00-2.30pm
Max. Marks: 30

	, c === c = === (c = s).	
CO1	Understand the fundamentals of programming.	
CO2	Demonstrate the concepts of packages and String Handling.	
CO3	Apply the concepts of Exception Handling and Multithreading	
CO4	Implement GUI based application using Applet and Swing.	
CO5	Build Servlet programs for web application with JDBC.	

Qn. No.	Section – A Answer ALL the Questions $(6 \times 1 = 6)$	CO(s)	K – Level
1	What is the size of float and double in java? A. 32 and 64 B. 32 and 32 C. 64 and 64 D. 64 and 32	CO1	K1
2	Select the valid statement A. char[] ch=new char(5) B. char[] ch=new char[5] C. char[] ch=new char() D. char[] ch=new char[]	CO1	K1
3	Identify the corrected definition of a package. A. package is a collection of editing tools B. package is a collection of classes C. package is a collection of classes and interfaces D. package is a collection of interfaces	CO2	K1
4	In which of the following is toString() method defined? A. java.lang.object B. java.lang.string C. java.lang.String D. java.lang.Object	CO2	K1
5	Excepted created by try block is caught in which block. A. catch B. throw C. final D. run	CO3	K1
6	Which of the following exception is thrown when divided by zero statement is executed? A. NULL pointer Exception B. Umber format Exception C. Arithmetic Exception D. File not found Exception	CO3	K1

Qn.	No.	Section – B Answer ALL the Questions (3 x 4 = 12)	CO(s)	K – Level
	A	List and explain the features of Java.	CO1	K1
7		OR	<u>I</u>	<u> </u>
	В	Identify the list of operators available in Java.	CO1	K1
	A	Explain Package in detail with example program.	CO2	K2
8		OR		
	В	Illustrate Interface with example program.	CO2	K2
9	A	Identify the need of try-catch block.	CO3	К3
		OR	•	
	В	Utilize the advantages of multiple catch in your Java program.	CO3	K3

Qn. No.	Section – C Answer any two Questions (2 x 6=12)	CO(s)	K – Level
10	Describe Control and Looping structure in Java Programming.	CO1	K1
11	Construct a java program to implement the concept of Interface and package.	CO2	K2
12	Write a Java program to apply exception handing.	CO3	K2

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G.T.N. ARTS COLLEGE (Autonomous), Dindigul EVEN Semester (2021 – 2022)

OBE Regulation – 2020

Continuous Internal Assessment Test – I

Programme: BS.c IT

Class: II year

Course Title: Operating System Concepts

Course Code: 20UITC42

Semester: IV

Date: 21.04.2022

Time: 1.00-2.30 pm

Max. Marks: 30

CO1	Explain the operating system concepts, and its components.
CO2	Understand process management, concurrent processes and CPU scheduling.
CO3	Detect and Solve deadlock problems.
CO4	Identify memory management Techniques.
CO5	Implement Disk scheduling Methods.

Qn. No.	Section – A Answer ALL the Questions $(6 \times 1 = 6)$	CO(s)	K – Level
1	of the following is not an operating system	CO1	K1
	A) Windows C) Linux		
	B) Oracle D) DOS		
	Network operating system runs on A) Every system in the network B) Server C) Both server and every system in the network D) None of the above	CO1	K1
3	The number of processes completed per unit time is known as A) Output B) Throughput C) Efficiency D) Capacity	CO2	K1
4	system call creates the new process A) create B) fork C) new D) init	CO2	K1
	provides the interface to access the services of the operating system? A) API B) System call C) Library D) Assembly instruction	CO1	K1
6	number of child process will be created if fork system call is initiated twice. A) one B) two C) three D) four	CO2	K1

Qn.	No.	Section – B Answer ALL the Questions (3 x 4 = 12)	CO(s)	K – Level
		State the diagram for abstract view of the components of	G 0.1	
	Α	a computer system and also define Operating system.	CO1	K1
_		OR		
7		List any four significant differences between		
	В	Batchprocessing system and Multi	CO1	K1
		Programming system		
	A	Explain in detail about different states of process.	CO2	K2
8		OR		
	В	Differentiate co-operating process and independent process.	CO2	K2
		Identify the Process creation using the fork() system call.		
	A		CO2	K2
		OR		
9		Discuss in detail about Synchronization		
	В		CO2	K2

Qn. No.	Section – C Answer any two Questions (2 x 6=12)	CO(s)	K – Level
10	Examine the types of system call in operating system	CO1	K1
11	Explain in detail about process scheduling.	CO2	K2
12	Discuss in detail about IPC.	CO2	K2



G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2021-22] INTERNAL ASSESSMENT TEST – I

Class : ALL UG Date: 21-04-22 Paper Code : 20UITN21 Time: 11.30-10.00AM Title of the Paper :E-COMMERCE Max Marks: 20

Course Outcomes (COs):

No	Course Outcome
CO1	State the basic concepts of E-commerce
CO2	Explain the E business Strategies
CO3	Develop the payment system
CO4	Develop selling and marketing on web
CO5	Construct E business model

Q.NO	Section – B Answer ALL the Questions (5 x 2= 10)	CO(s)	K – Level
1.	Define the term E-Commerce.	CO1	K1
2.	Describe Metropolitan Area Network(MAN)	CO1	K1
3.	Write a note on Satellite Networks.	CO1	K1
4.	Explain Internet and WWW tools which aid e-commerce.	CO2	K1
5.	Write a note on Router	CO2	K1

Qn. No.	Section – C Answer any one Question (1 x 10=10)	CO(s)	K – Level
10	Describe the types of Networks.	CO1	K1
11	Define Electronic commerce frameworks.	CO2	K2

Reg. No:				



G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2021-22]

INTERNAL ASSESSMENT TEST - I						
Class : III IT			Date:20-04-22			
Paper Code : 17UI'			Time: 09.30-10.30AM			
±	•					
The of the Paper . And C	nu i rogi amming		Max Marks: 30			
	Section A		$[6 \times 1 = 6]$			
		swer ALL the questi	ions]			
1 is used by the Andr						
a) JVM	b) Dalvik virtua	I machine				
c) Simple virtual machine		0				
2. Android is based on which	th of the following lang	•				
a) Java		b) C				
c) C++		d) .net				
3. APK stands for		h) Andreid Deser V	714			
a) Android Phon		b) Android Page K				
c) Android Package Kit d) Android Point Kit						
4 converts Java byte code into Dalvik byte code? a) Dalvik converter b) Dex compiler						
· · · · · · · · · · · · · · · · · · ·			NVO.			
	by the developers to tes					
android applications?	by the developers to tes	at the application, du	ring developing the			
a) Third-party em	ulators	h) Emulator includ	ed in Android SDK			
c) Physical androi		d) All of the above				
6 use of content		,	,			
	data in the database					
	data between application	ns				
	data from an application		ion			
d) None of the abo		or to unouner approve				
2, 2	Section B		$[2 \times 7 = 14]$			
	[Answer ALL the ques	stions]	. ,			
7. a) Describe in detail abou						
b) Explain about an open						
8. a) What makes an androic		•				
b) Write about application	n manifest file?					
	Section C		$[1 \times 10 = 10]$			
.]	Answer ANY ONE que	estion]				
9. Describe in details on a	ndroid application life c	cycle.				
10. Explain the fundamenta	ls of android UI Design	l .				



G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade)

EVEN SEMESTER [2021-22]						
		IAL ASSESSMEN	T TEST - I			
Class		Date: 21-04-22				
Paper Code	Time: 09.30-10.30AM					
Title of the Paper		Max Marks: 30				
	Section A		$[6 \times 1 = 6]$			
		[Answer ALL the ques				
1	is a program used to trans		to another language.			
a) Compile		b) Software				
c) Hardwa		d) Translator				
2. The lexical	l analysis is also called as					
a) tokens		b) scanning				
c) lexemes		d) parsing				
	analysis is also called as	·				
a) tokens		b) scanning				
c) lexemes		d) parsing				
	ic analysis determines the		ring.			
a) parsing		b)scanning				
c) checking		d) meaning				
	free grammar G is a collection					
a) $G=\{V,S\}$		b) $G=\{V,T,S,P\}$				
c) $G=\{M,F\}$		d) $G=\{S,P,M,T\}$				
	nalysis is the pl					
a) First		b) Third				
c) Second		d) Four				
	Section B		$[2 \times 7 = 14]$			
	[Answer ALL the					
	Compilers and Translators?[
	nort notes on the structure of					
	context free grammar conce		[Or]			
b)Construc	et a CFG for the language L=	a^nb^{2n} where $n>=1$?				
	Section C		$[1 \times 10 = 10]$			
	[Answer ANY ONE					
9. How will you	u minimize the number of sta	ates of a DFA? Explain	with example.			
10. Discuss abou	it derivations and parse trees	with example?	_			

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	TER [2021-22]	2 31
Class : III IT	NAL ASSESSMEN	T TEST – I Date: 21-04-22
		Time: 09.30-10.30 AM
Paper Code : 17UITE61 Title of the Paper : UNIFIED MODELING	CLANCHACE	Max Marks: 30
The of the Paper . UNIFIED MODELING	J LANGUAGE	Wax Warks. 30
Section A		$[6 \times 1 = 6]$
	[Answer ALL the ques	tions]
1. What is an object?		
a) Instance of a class	b) encapsulation	
c) Data hiding	d) data abstractio	n
2is a valid relationship in U	_	
a) Generalization	b) include	
c) Extends	d) all	
3. In DFD arrow(→) is used to indic		
a) process	b) datastore	
c) data flow	d) external entity	1
c) start	s symbol used to indicate b)store) end indicate Generalization.	·
c) (a)	d) 📄	
6is a notation to represent cla	sses in Booch object mod	leling
a) C		
b) d		
Section B		$[2 \times 7 = 14]$
[Answer ALL th	e questions]	
7. a) Explain patterns in detail.[Or]		
b) Write short notes on Frameworks?		
8. a) Describe the class diagram.	[Or]	
b) Write a note on model managemen		
Section C		$[1 \times 10 = 10]$
[Answer ANY ON		. 1 .
9 Write about object-oriented modeling	Explain all the 3 modelin	g techniques

- 9. Write about object-oriented modeling. Explain all the 3 modeling techniques.
- 10. Explain in detail about UML diagram with suitable example diagrams.

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INTERNAL ASSESSMENT TEST - I

Class : III IT (A&b) Date:20-04-22

Paper Code : 17UITC62 Time: 09.30-10.30AM

Title of the Paper : Software Testing Max Marks: 30

Section A

 $[6 \times 1 = 6]$

 $[2 \times 7 = 14]$

[Answer **ALL** the questions]

1. Which methodology is used to perform Maintenance testing?

a) Breadth test and depth test

b) Confirmation Testing

c) Retesting

d) Sanity Testing

2. Which term is used to define testing?

a) Evaluating deliverable to find errors

b) Finding broken code

c) A stage of all projects

d) testing scripts

3. Which of the following is not a valid phase of SDLC (Software Development Life Cycle)?

a) Testing Phase c) Deployment Phase b) Requirement Phase d) Testing Closure

4. Which of the following testing is also known as white-box testing?

a) Structural Testing

b) Error guessing Techniques

c) Design based testing d) Development based Testing

5. Which of the following testing is related to the boundary value analysis? a) White box and black box testing

b) White box testing

c) Black box testing

d) Integration testing

6. Functional testing is a -----?

a) Test design techniques

c) Test levels

b) SDLC Model

d) Test type

Section B [Answer **ALL** the questions]

7. a) Define software Testing [Or]

b) Explain waterfall model.

8. a) Define Integration Testing and types of Integration testing. [Or]

b) Briefly explain about Requirement based testing?

Section C $[1 \times 10 = 10]$

[Answer ANY ONE question]

- 9. Explain various Techniques in Black box testing.
- 10. Explain static Testing by Humans.

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G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2021-2022] INTERNAL ASSESSMENT TEST – II

Programme : III IT(A&B) Date : 21.06.2022
Course Code : 17UITE61 Time : 09.00am-10.00am
Course Title : Unified Modeling Language Max Marks : 30

ui s	e Title . Chilled Modeling Language Max Marks . 50	
	Section A [Answer ALL the Questions] (6X1=6)	
1.		
1.	<u></u>	
	, .	
2	c) binary association d) visual association	
2.	Use-case diagram is a graph of	
	a) actor, use cases, association and generalization	
	b) actor, use cases and association	
	c) actor and use cases	
_	d) only actors	
3.	The represents the object's existence during the interaction.	
	a) relationship b) lifeline	
	c) label d) activity symbol	
4.	A state is represented as box.	
	a) rounded b) rectangle	
	c) ellipse d) diamond	
5.	8 —	
	a) diagram b) textual	
	c) extensive d) stereotype	
6.	Noun phrase strategy, candidate classes divided into classes.	
	a) relevant, fuzzy and irrelevant b) relevant and fuzzy	
	c) redundant and adjective d) only fuzzy	
	Section B	
	[Answer ALL the following] (2X7=14)	
7.	Describe the class diagram in detail. [OR]	
	How would you identify the actors?	
8.	Why is documentation an important part of analysis? [OR]	
	Explain event classes and organization classes.	
	Section C	
	[Answer ANY one of the following] (1X10=10)	
9.	Describe use-case model with example.	
	Explain in detail about noun phrase approach.	

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Reg. No:

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
EVEN SEMESTER [2021-2022]
INTERNAL ASSESSMENT TEST - II

rograi	nme : III IT(A&B)	Date: 21.06.2022
Course	Code : 17UITE61	Time: 09.00am-10.00am
Course	Title : Unified Modeling Language	Max Marks : 30
	Section A	
	[Answer ALL the Questions]	(6X1=6)
1.	A simple association is termed as	
	a) class association b) simple association	
	c) binary association d) visual association	
2.	Use-case diagram is a graph of	
	a) actor, use cases, association and generalization	
	b) actor, use cases and association	
	c) actor and use cases	
	d) only actors	
3.	The represents the object's existence during the	e interaction.
	a) relationship b) lifeline	
	c) label d) activity symbol	
4.	A state is represented as box.	
	a) rounded b) rectangle	
	c) ellipse d) diamond	
5.	A note is a graphic symbol containing information.	
	a) diagram b) textual	
	c) extensive d) stereotype	
6.	Noun phrase strategy, candidate classes divided into	classes.
	a) relevant, fuzzy and irrelevant b) relevant and	
	c) redundant and adjective d) only fuzzy	,
	Section B	
	[Answer ALL the following]	(2X7=14)
7. D	escribe the class diagram in detail. [OR	.]
I	How would you identify the actors?	
8. V	Why is documentation an important part of analysis? [O	R]
E	xplain event classes and organization classes.	
	Section C	
	[Answer ANY one of the following	ng] (1X10=10)
9. E	Describe use-case model with example.	•

10. Explain in detail about noun phrase approach.



G.T.N. ARTS COLLEGE (Autonomous), Dindigul

EVEN Semester (2021 – 2022) OBE Regulation – 2020 Continuous Internal Assessment Test-II

Programme: BSc IT Semester:II
Class: I year Date: 20.06.22

Course Title: Programming in C#.NET Time: 09.00-10.30am

Course Code: 20UITC21 Max. Marks: 30

Course Outcomes (COs):

Course	futcomes (COs).
CO1	Depicts the basic concepts of .net frame work and specify the CLR with it's
	features.
CO2	Describes the C#.Net with Object Oriented View, it's various loops, and
	decision making,
CO3	Interpret Inheritance and Polymorphism, Interfaces, Operator overloading
CO4	Discuss the various tools on window controls illustrative applications.
CO5	Handle file, graphics features of .Net and explain how to create user control.

Qn. No.	Section – A Answer ALL the Questions (6 x 1 = 6)		K – Level
	The reason that C# does not support multiple inheritances is	CO3	K1
	because of A. Method collision B. Name collision		
	C. Function collision D. Interface collision		
2	In Microsoft Visual Studio, technology and a programming	CO3	K1
	language such as C# is used to create a Web based application.		
	A. JAVA B. J#		
	C. VB.NET D. ASP.NET		
3	feature is not supported by C#.	CO4	K1
	A. abstraction B. polymorphism		
	C. multiple inheritance D. inheritance		
4	is not a types of arrays in C#.	CO4	K1
	A. Single-Dimensional B. Multidimensional		
	C. Jazzed arrays D. Jagged arrays		
5	A variable declared inside a method is called avariable.	CO5	K1
	A. Static B. Private		
	C. Local D. Serial		
6	Every class directly or indirectly extends the of a class.	CO	K2

A. System	B. Object	5	
C. Drawing	D. Console		

Qn	. No.	Section – B Answer ALL the Questions $(3 \times 4 = 12)$	CO(s)	K – Level
	A	Show the use of Enum inside a class and give an example.	CO3	K2
7		OR		
/	В	Give an example program for Inheritance.	CO3	K2
	A	Interpret a login form using textbox, label and button in c# Windows application.	CO4	К3
8	8 OR			
	В	Prepare a form in c#.net using datetimepicker and diplay todays date in a textbox in string.	CO4	К3
	A	Predict how to create a file with text and read the file	CO5	К3
9	OR			
9	В	Write a program in C# Sharp to create a file and move the file into the same directory to another name	CO5	К3

Qn.	Section – C	CO(s)	K –
No	Answer any two Questions (2 x 6=12)	CO(B)	Level
10	Report the difference between method overriding and method	CO3	K2
	overloading?		
	Illustrate the list of array of numbers contains a palindrome number	CO4	К3
	or not using textbox for input and by clicking the button display the		
	facts in msgbox.		
	Illustrate with an example on managing the file system in c#	CO5	K3
	programming .Write a program in C# Sharp to create and read the		
	last line of a file.		

Reg. No:		
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G.T.N. ARTS COLLEGE (Autonomous), Dindigul

Even Semester (2021 – 2022)

OBE Regulation – 2020

Continuous Internal Assessment Test -II

Programme: BSc IT Semester: IV
Class: II year Date: 20.6.22

Course Title: Advanced Java Programming Time: 01.00pm-02.30pm

Course Code: 20UITC41 Max. Marks: 30

CO1	Understand the fundamentals of programming.	
CO2	CO2 Demonstrate the concepts of packages and String Handling.	
CO3	Apply the concepts of Exception Handling and Multithreading.	
CO4	Implement GUI based application using Applet and Swing.	
CO5	Build Servlet programs for web application with JDBC.	

Qn. No.	Section – A Answer ALL the Questions (6 x 1 = 6)	CO(s)	K – Level
1	When we implement the Runnable interface, we must	CO3	K1
	define themethod.		
	A. run() B. start()		
	C. init() D.main()		
2	The package includes a class known as the	CO3	K2
	file class that provide support for creating files and		
	directories.		
	A. java.io B. java.util		
	C. java.lang D. java.awt		
3	tag is used to start an applet from both in	CO4	K 1
	HTML document and from an applet viewer.		
	A. AWT B. EVENTS		
	C. APPLET D. START		
4	The swing icons are encapsulated by class.	CO4	K2
	A. ImageIcon() B. ImageIcongetIcon()		
	C. Icon getIcon() D. ImageIcongetmsgIcon()		

5	The method is called wh	en the servlet is first CO5	K1
	created.		
	A. init() B. ser	vice()	
	C. destroy() D. get	ServletConfig()	
6	How many JDBC driver types are	available by sun CO5	K2
	Microsystem?		
	A. 2 B. 3		
	C. 4 D. 5		

Qı	1. No.	Section – B Answer ALL the Questions $(3 x = 12)$	CO(s)	K – Level
		Compute a program for nested try statements.	goa	17.0
	Α		CO3	K3
7		OR		
,		Construct a java program to create		
	В	Threads using thread class.	CO3	K3
	Α	Discuss about drawing ovals and arcs in java with	CO4	K2
		examples.		K2
8		OR		
	В	Explain any three Text entry components in swing.	CO4	K2
		Show the life cycle of servlet.		
9	Α		CO5	K3
		OR		
9		Classify the JDBC driver types according to		
	В	their architecture.	CO5	К3

Qn.	Section – C	CO(s)	K –
No.	Answer any two Questions (2 x 6=12)	CO(s)	Level
10	Illustrate java programs to read and display a text file.	CO3	K2
	Write about JButton and JTextArea component and its method with example.	CO4	К3
	Show the steps involved in processing SQL statements with JDBC.	CO5	К3



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Even Semester (2021 – 2022)

OBE Regulation – 2020

Continuous Internal Assessment Test -II

Programme: BSc IT Semester: IV
Class: II year Date: 21.06.22

Course Title: Operating System Concepts Time: 01.00 – 02.30pm

Course Code: 20UITC42 Max. Marks: 30

Course Outcomes (COs):

CO1	Explain the operating system concepts, and its components.
CO2	Understand process management, concurrent processes and CPU scheduling.
CO3	Detect and Solve deadlock problems.
CO4	Identify memory management Techniques.
CO5	Implement Disk scheduling Methods.

Q.no		Section	1 – A	CO(s)	K –
		Answer ALL	the Questions $(6 \times 1 = 6)$	00(0)	Level
1	The Banker	r's algorithm is used _	•	CO3	K1
		prevent deadlock in			
		detect deadlock in o			
		rectify a deadlocked			
	D. to	release a deadlocked	state	GOA	77.0
2	If no cycle	exists in the resource	allocation graph	CO3	K2
		nen the system will no			
		nen the system will be			
	C. th	nen the system will be			
	D. th	nen the system will be	in a reboot		
3	Because of	virtual memory, the r	nemory can be shared among	CO4	K1
	A. P	rocesses	B. Threads		
	C. Ir	nstructions	D. Multithreads		
4	The	swaps prod	cesses in and out of the	CO4	K2
	memory.				
		PU	B. Memory manager		
	C. C	CPU manager	D. User		

5	Random access in magnetic tapes is	compared to	CO5	K1
	magnetic disks.			
	A. Fast	B. very fast		
	C. Slow	D. very slow		
6	The free-space list is implemented as a	·	CO5	K2
	A. Linked list	B. Bit map		
	C. Buffer cache	D. Free block		

Qn. No.		Section – B Answer ALL the Questions (3 x = 12)	CO(s)	K – Level
		Explain the terms critical section and mutual exclusion.		
	Α		CO3	K3
7		OR		
7		What is deadlock? Explain the various methods		
	В	for dealing with deadlock problem.	CO3	K3
	A	Report the difference between Physical and logical address.	CO4	K2
8		OR		
	В	Explain about virtual memory and give its advantages.	CO4	K2
		Write a note on file types and file structures.		
	A		CO5	K3
_		OR		
9		Write the functionalities of FCFS, SSTF, C-SCAN and		
	В	C-LOOK with example.	CO5	K3

Qn. No.	Section – C Answer any two Questions (2 x 6=12)	CO(s)	K – Level
10	Explain the deadlock avoidance algorithm.	CO3	K2
11	Illustrate segmented memory management.	CO4	К3
12	Examine different disk scheduling techniques with example. How are their performance measured?	CO5	К3



G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2021-22]

INTERNAL ASSESSMENT TEST - II

Class : ALL UG Date: 21.06.22

Paper Code : 20UITN21 Time: 11.00-12.00 noon

Title of the Paper : E-COMMERCE Max Marks: 20

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G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2021-22]

Reg. No:

INTERNAL ASSESSMENT TEST - II

Class : ALL UG Date: 21.06.22

Paper Code : 20UITN21 Time:11.00-12.00 noon

-Title of the Paper : E-COMMERCE Max Marks: 20

Course Outcomes (COs):

No	Course Outcome
CO1	State the basic concepts of E-commerce
CO2	Explain the E business Strategies
CO3	Develop the payment system
CO4	Develop selling and marketing on web
CO5	Construct E business model

Q.NO	Section – B Answer ALL the Questions (5 x 2= 10)	CO(s)	K – Level
1.	Enumerate quick response and EDI	CO3	K1
2.	Tell the smart card applications	CO3	K1
3.	Compare Data mining and Data Warehousing	CO4	K2
4.	Explain about document Constituencies	CO4	K2
5.	Record the information filtering in various fields	CO5	К3

Qn. No.	Section – C Answer any one Question (1 x 10=10)	CO(s)	K – Level
10	Show how to utilize Computer based education	CO4	K2
11	illustrate the types of digital documentation	CO5	К3

All the Best

Course Outcomes (COs):

No	Course Outcome
CO1	State the basic concepts of E-commerce
CO2	Explain the E business Strategies
CO3	Develop the payment system
CO4	Develop selling and marketing on web
CO5	Construct E business model

Q.NO	Section – B Answer ALL the Questions (5 x 2= 10)	CO(s)	K – Level
1.	Enumerate quick response and EDI	CO3	K1
2.	Tell the smart card applications	CO3	K1
3.	Compare Data mining and Data Warehousing	CO4	K2
4.	Explain about document Constituencies	CO4	K2
5.	Record the information filtering in various fields	CO5	К3

Qn. No.	Section – C Answer any one Question (1 x 10=10)	CO(s)	K – Level
10	Show how to utilize Computer based education	CO4	K2
11	illustrate the types of digital documentation	CO5	К3



G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) **EVEN SEMESTER [2021-22]**

INTERNAL ASSESSMENT TEST - II

Programme	: III B.Sc(IT) (A&B)	Date: 18 .06.2022
Course Code	: 17UITC61	Time: 09.00 – 10.00am
Course Title	: ANDROID PROGRAMMING	Max Marks: 30
	G 4 A	

L/	Answ	ver	ΑL	ıL.	tne	Ques	tions		
-		_			_	_		_	

6X1=6

1. 1. Which of the following is I	Daiog classes in android
(a)AlertDialog	(b) ProgressDialog
(c)DatePickerDialog	(d) All of the above

`	XX71	41		.1	. C . 11	A -4114-	
۷.	wnat is	tne	parent	class	of all	Activity	widgets?

(a) ViewGroup (b) Layout (c) View (d) Widget

views are commonly used views such as the TextView, EditText and Button Views

(a) Basic View (b) Picker view (c) Frame view (d) none

4. In which state the activity is, if it is not in focus, but still visible on the screen?

(a) Running state

(b) Paused state

(c) Destroyed state

(d) Stopped state

5. APK stands for

(a) Android packageskit

(b) Android packkit

(c) Android packaging kit

(d) Applet package kit

6. Android tries to low-level components.

(a) confound

(b)abstract

(c)modularize

(d)compound

Section B

[Answer ALL the following]

2X7=14

7. a. Discuss the concept of notification in android. [OR]

b. Explain creating app widgets in detail.

8. a. Write about recording video. [OR]

b. Discuss in detail about finding your current location.

Section C

[Answer ANY one of the following]

1X10=10

9. Explain in detail about creating new menus and action bars.

10. Discuss the home screen widgets in detail.

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Reg.No:

(Affiliated to Madurai Kamaraj University)

EVEN SEMESTER [2021-22]

INTERNAL ASSESSMENT TEST - II

Programme : III B.Sc(IT) (A&B) Date: 18.06.2022 Course Code : 17UITC61 Time: 09.00 - 10.00am

Course Title : ANDROID PROGRAMMING Max Marks: 30

Section A

[Answer ALL the Questions]

6X1=6

1. 1. Which of the following is Dialog classes in android? (b) ProgressDialog (a)Alert Dialog (c)Date Picker Dialog (d) All of the above

2. What is the parent class of all Activity widgets?

(a) ViewGroup (b) Layout

(c) View

(d) Widget

3. _____ views are commonly used views such as the TextView, EditText and Button Views

(a) Basic View (b) Picker view (c) Frame view (d) none

4. In which state the activity is, if it is not in focus, but still visible on the screen?

(a) Running state

(b) Paused state (d) Stopped state

(c) Destroyed state 5. APK stands for

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Section B

[Answer ALL the following]

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Section C

[Answer ANY one of the following]

1X10=10

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G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2021-22]

INTERNAL ASSESSMENT TEST - II

Class : III IT	Date: 21.06.22
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: 17UITE62 Paper Code Time: 09.00-10.00AM

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G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2021-22]

Reg. No:

INTERNAL ASSESSMENT TEST - II

Date: 21.06.22 Class

tle of the Paper	: COMPILER DESIGN	Max Marks: 30	Paper Code Title of the Paper	: 17UITE62 : COMPILER DESIGN	Time: 09 Max Ma	0.00-10.00AM arks: 30
	Section A	$[6 \times 1 = 6] \qquad -$		Section A		[6 x 1 = 6]
1. What is C	[Answer ALL the	questions			a quantional	$[0 \times 1 = 0]$
		h) Compiler	1. What is C	[Answer ALL the	z questions]	
	r Expression	b) Compiler			h) Camarilan	
	age Expression	d) Grammar		r Expression	b) Compiler	
	-up parser generates			age Expression	d) Grammar	
,	ost derivation in reverse	b) Left-most derivation		-up parser generates		, •
c) Right-n	nost derivation in reverse c blocks are said to be	d) Right-most derivation		ost derivation in reverse	b) Left-most derivat	
	c blocks are said to be			most derivation in reverse	d) Right-most deriv	
a) same		b) equivalent		blocks are said to be		e set of expressions.
c) live		d) effective	a) same		b) equivalent	
	use of a symbol table in compil	er deign?	c) live	6 1 1 1 1 1 2 2 2	d) effective	
	g name's scope			use of a symbol table in compi	ler deign?	
b)Type ch	_			g name's scope		
	g all of the names all entities in	one place	b)Type ch	e e e e e e e e e e e e e e e e e e e		
d) All of th				g all of the names all entities in	one place	
	1	y by a labeled directed graph called a	d) All of th			
transition g	graph.			be represented diagrammatical	ly by a labeled directed	graph called a
a) DFA		b) NFA	transition g	raph.		
c) LEX		d) ANA	a) DFA		b) NFA	
		if it can be performed by looking	c) LEX		d) ANA	
•	tements in a basic block.			nation of a program is called	if it can be perfor	rmed by looking
a) Vital		b) Global	•	tements in a basic block.		
c) Local		d) Sentinel	a) Vital		b) Global	
	Section B	$[2 \times 7 = 14]$	c) Local		d) Sentinel	
	[Answer ALL the que			Section B		$[2 \times 7 = 14]$
	n Three Address code in detail.	[Or]		[Answer ALL the qu	_	
	s about symbol table in detail.			Three Address code in detail.	[Or]	
	about Dangling reference with ex			s about symbol table in detail.		
b) Write s	short notes on Error-Recovery St			about Dangling reference with e		
	Section C	$[1 \times 10 = 10]$	b) Write si	hort notes on Error-Recovery St	trategies.	
	[Answer ANY ONE qu			Section C		$[1 \times 10 = 10]$
9. Explain about Call by value and Copy-Restore with example.			[Answer ANY ONE question]			

10. Explain in detail about the characteristics of Peephole Optimization.

- 9. Explain about Call by value and Copy-Restore with example.
- 10. Explain in detail about the characteristics of Peephole Optimization.



G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) EVEN SEMESTER [2021-22]

INTERNAL ASSESSMENT TEST – II

Class : **III IT (A & b)** Date: 20.06.22

Paper Code : **17UITC62** Time: 09.00–10.00 am

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G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade)

Reg. No:

EVEN SEMESTER [2021-22]

INTERNAL ASSESSMENT TEST – II
Class : III IT (A&b) Date: : 20.06.22

Paper Code : **17UITC62** Time: 09.00–10.00 am

Title of t	the Paper : Software Testing	Max Marks: 30	Title of the Paper	: Software Testing	Max Marks: 30	
	Section	. ,		Secti	on A	$[6 \times 1 = 6]$
		ALL the questions]		[Answer A	LL the questions]	
	testing types is not a		1	testing types is not a pa	art of system testing?	
	a) Stress testing	b) recovery Testing	a) Stress	testing	b) recovery Tes	ting
		d) System Testing	c) Rando	om testing	d) System Testin	ng
2.	testing is a testing tec	chnique where the actual data verified in the real	2	testing is a testing tech	nique where the actual dat	a verified in the real
	environment.		environn			
	a) regression testing		a) regres	sion testing	b) alpha testing	
	c) beta testing	d) integrating testing	c) beta te	esting	d) integrating to	
		ng the modules that connected to the program or	3	is the process of re-testing	g the modules that connect	ed to the program or
	components after the modification		compone	ents after the modification		
	a) unit regression testing	b) full regression testing	a) unit re	egression testing	b) full regression	n testing
	c) Regional regression testing		c) Region	nal regression testing	d) re-testing	
	is a series of planning, e	execution, monitoring and control activities that	4	_is a series of planning, ex	ecution, monitoring and co	ontrol activities that
help			help			
	chieve project goals.			oject goals.		
	a) verification	b) test management	a) verific	cation tion	b) test management	
	c) validation	d) regression			d) regression	
	How many parts of test manageme	-	5. How many	y parts of test management	t process have?	
	a) one	b) two	a) one		b) two	
	c) three	d) four	c) three		d) four	
	_	a procedure of defining roles in the testing	6	in Software Testing is a	a procedure of defining rol	es in the testing
proc			process.			
	a) test organization	c) test management		ganization		
ł	b) test process	d) test verification	b) test pro	ocess	d) test verification	
	Sectio			Section B		$[2 \times 7 = 14]$
		L the questions]		[Answer ALL	the questions]	
	a) Define Stress Testing [Or]			e Stress Testing [Or]		
	b) Explain about tools for perform			in about tools for performa		
		ypes of regression testing. [Or]		e regression testing and type		[Or]
	b) Briefly explain about Project M		b) Briefly	y explain about Project Me		
	Sectio			Section		$[1 \times 10 = 10]$
^ -	[Answer ANY	ONE question]		[Answer ANY C	ONE question]	
	xplain Functional system testing.		-	inctional system testing.		
10. E:	xplain various test planning.		10. Explain va	rious test planning.		