



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
 Course Title : Programming in C#.NET
 Course Code: 20UITC21
 Course Outcomes (COs):

Semester:II
 Date: 20.4.22
 Time: 09.30-11.00am
 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 created for web based interactions. A. Web forms B. Window Forms C. Application Forms D. Note forms	CO1	K1
2	Default Type of number without decimal is_____. A Long Int B. Unsigned Long C. Unsigned Int D. Int	CO1	K1
3	_____ are reserved, and cannot be used as identifiers. A. Keywords B. literal C. variables D. Identifiers	CO1	K1
4	_____ parameters are used to pass results back to the calling method. A. Input B. Reference C. Value D. Output	CO2	K1
5	The controls available in the tool box of _____ are used to create the user interface of a web based application. A. Microsoft visual studio IDE B. Application window C. Web forms D. Note forms	CO3	K1
6	In C#, having unreachable code is always a/an _____. A. Method B. Function C. Error D. Iterative	CO3	K1

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

~All the Best~



G.T.N. ARTS COLLEGE (Autonomous), Dindigul
 EVEN Semester (2021 – 2022)
 OBE Regulation – 2020
 Continuous Internal Assessment Test – I

Programme : BSc IT
 Class : II year
 Course Title : Advanced Java Programming
 Course Code: 20UITC41
 Course Outcomes (COs):

Semester:IV
 Date: 20.4.22
 Time: 01.00-2.30pm
 Max. Marks: 30

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 x 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
7	A	List and explain the features of Java.	CO1	K1
	OR			
	B	Identify the list of operators available in Java.	CO1	K1
8	A	Explain Package in detail with example program.	CO2	K2
	OR			
	B	Illustrate Interface with example program.	CO2	K2
9	A	Identify the need of try-catch block.	CO3	K3
	OR			
	B	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 handling.	CO3	K2

~All the Best~

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

~All the Best~



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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

All the Best



Reg. No:

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EVEN SEMESTER [2021-22]
INTERNAL ASSESSMENT TEST – I

Class : **III IT (A&b)**
Paper Code : **17UITC62**
Title of the Paper : **Software Testing**

Date:20-04-22
Time: 09.30-10.30AM
Max Marks: **30**

Section A

[6 x 1 = 6]

[Answer **ALL** the questions]

- Which methodology is used to perform Maintenance testing?
a) Breadth test and depth test b) Confirmation Testing
c) Retesting d) Sanity Testing
- 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
- Which of the following is not a valid phase of SDLC (Software Development Life Cycle)?
a) Testing Phase b) Requirement Phase
c) Deployment Phase d) Testing Closure
- 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
- 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
- Functional testing is a -----?
a) Test design techniques c) Test levels
b) SDLC Model d) Test type

Section B

[2 x 7 = 14]

[Answer **ALL** the questions]

- a) Define software Testing [Or]
b) Explain waterfall model.
- a) Define Integration Testing and types of Integration testing. [Or]
b) Briefly explain about Requirement based testing?

Section C

[1 x 10 = 10]

[Answer **ANY ONE** question]

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



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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**

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 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 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.
10. Explain in detail about noun phrase approach.



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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**

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
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a) actor, use cases, association and generalization
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[Answer ALL the following] (2X7=14)

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How would you identify the actors?
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[Answer ANY one of the following] (1X10=10)

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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: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):

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 reason that C# does not support multiple inheritances is because of _____. A. Method collision B. Name collision C. Function collision D. Interface collision	CO3	K1
2	In Microsoft Visual Studio, _____ technology and a programming language such as C# is used to create a Web based application. A. JAVA B. J# C. VB.NET D. ASP.NET	CO3	K1
3	_____ feature is not supported by C#. A. abstraction B. polymorphism C. multiple inheritance D. inheritance	CO4	K1
4	_____ is not a types of arrays in C#. A. Single-Dimensional B. Multidimensional C. Jazzed arrays D. Jagged arrays	CO4	K1
5	A variable declared inside a method is called a _____ variable. A. Static B. Private C. Local D. Serial	CO5	K1
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 x 4 = 12)	CO(s)	K – Level
7	A Show the use of Enum inside a class and give an example.	CO3	K2
	OR		
	B Give an example program for Inheritance.	CO3	K2
8	A Interpret a login form using textbox, label and button in c# Windows application.	CO4	K3
	OR		
	B Prepare a form in c#.net using datetimpicker and diplay todays date in a textbox in string.	CO4	K3
9	A Predict how to create a file with text and read the file	CO5	K3
	OR		
	B Write a program in C# Sharp to create a file and move the file into the same directory to another name	CO5	K3

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

~All the Best~



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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: 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 – A Answer ALL the Questions (6 x 1 = 6)	CO(s)	K – Level
1	The Banker's algorithm is used _____. A. to prevent deadlock in operating systems B. to detect deadlock in operating systems C. to rectify a deadlocked state D. to release a deadlocked state	CO3	K1
2	If no cycle exists in the resource allocation graph _____ A. then the system will not be in a safe state B. then the system will be in a safe state C. then the system will be in a halt D. then the system will be in a reboot	CO3	K2
3	Because of virtual memory, the memory can be shared among _____. A. Processes B. Threads C. Instructions D. Multithreads	CO4	K1
4	The _____ swaps processes in and out of the memory. A. CPU B. Memory manager C. CPU manager D. User	CO4	K2

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

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

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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

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	K3

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	K3

All the Best

Reg. No:



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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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All the Best



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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. Which of the following is Dialog classes in android?
(a)AlertDialog (b) ProgressDialog
(c)DatePickerDialog (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
(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.



Reg.No :

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G. T.N.ARTS COLLEGE (Autonomous)
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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

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2X7=14

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Section C

[Answer ANY one of the following]

1X10=10

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EVEN SEMESTER [2021-22]
INTERNAL ASSESSMENT TEST – II

Class : **III IT** Date: 21.06.22
 Paper Code : **17UITE62** Time: 09.00-10.00AM
 Title of the Paper : **COMPILER DESIGN** Max Marks: **30**

Section A

[Answer **ALL** the questions]

[6 x 1 = 6]

1. What is CFG?
 a) Regular Expression b) Compiler
 c) Language Expression d) Grammar
2. A bottom-up parser generates _____.
 a) Left-most derivation in reverse b) Left-most derivation
 c) Right-most derivation in reverse d) Right-most derivation
3. Two basic blocks are said to be _____ if they compute same set of expressions.
 a) same b) equivalent
 c) live d) effective
4. What is the use of a symbol table in compiler design?
 a) Finding name's scope
 b) Type checking
 c) Keeping all of the names all entities in one place
 d) All of the above
5. _____ can be represented diagrammatically by a labeled directed graph called a transition graph.
 a) DFA b) NFA
 c) LEX d) ANA
6. A transformation of a program is called _____ if it can be performed by looking only at the statements in a basic block.
 a) Vital b) Global
 c) Local d) Sentinel

Section B

[Answer **ALL** the questions]

[2 x 7 = 14]

7. a) Explain Three Address code in detail. [Or]
 b) Discuss about symbol table in detail.
8. a) Write about Dangling reference with example. [Or]
 b) Write short notes on Error-Recovery Strategies.

Section C

[Answer **ANY ONE** question]

[1 x 10 = 10]

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

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 Paper Code : **17UITE62** Time: 09.00-10.00AM
 Title of the Paper : **COMPILER DESIGN** Max Marks: **30**

Section A

[Answer **ALL** the questions]

[6 x 1 = 6]

1. What is CFG?
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Section B

[Answer **ALL** the questions]

[2 x 7 = 14]

7. a) Explain Three Address code in detail. [Or]
 b) Discuss about symbol table in detail.
8. a) Write about Dangling reference with example. [Or]
 b) Write short notes on Error-Recovery Strategies.

Section C

[Answer **ANY ONE** question]

[1 x 10 = 10]

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

