Class	: **III year**	Date : 26-05-2021
Paper Code	:**17CINF61**	Time : 10-11 am
Title of the Paper	: **Computer H/W and S/W Maintenance**	Max Marks : 25

Section A [3 x 2 = 6]

[the Answer **ALL** questions]

1. What is computer?
2. What are the 4 main parts of a computer?
3. What are the three types of software?

Section B [2 x 5 = 10]

[Answer **ALL** the questions]

4. a) What are the steps in booting a computer? [OR]

    b) Explain any four major components of a computer?

5. a) What are computer skills? [OR]

    b) How does a computer works?

Section C [1 x 9 = 9]

[Answer **ANY ONE** question]

6. What is the purpose of BIOS ?
7. Explain in detail about hardware and software with examples?

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EVEN SEMESTER [2020-2021]
INTERNAL ASSESSMENT TEST – II

Programme   : B.Sc(IT)-(A&B)   Date   :21-5-21
Course Code   : 17UITC61   Time   :10-11am
Course Title   : Android Programming   Max Marks : 30

Section A

[Answer ALL the Questions]   6X1=6

1. What was the first phone released that ran the Android OS?

   A. Google gPhone   B. T-Mobile G1   C. Motorola Droid   D. HTC Hero

2. Which of the following is not a valid Android resource filename?

   A. mylayout.xml   B. myLayout.xml   C. my_layout.xml   D. mylayout1.xml

3. Which Android version had the greatest share of the market as of January 2011?

   A. 1.1   B. 1.5   C. 2.3   D. 3.4

4. The Emulator is identical to running a real phone EXCEPT when emulating/simulating what?
   A. Telephony   B. Applications C. Sensors   D. The emulator can emulate/simulate all aspectsof a smart phone

5. The XML file that contains all the text that your application uses

   A. stack.xml   B. text.xml   C. strings.xml   D. string.java

6. Which of the important device characteristics that you should consider as you design and develop your application?

   A. screen size and density   B. input configurations   C. device features D. all the above

Section B

[Answer ALL the following]   2X7=14

7. a. Discuss in detail about menus and action bars in android.
                    (OR)
   b. Explain in detail about create and send Notification in android

8. a. Prepare a media player to play audio files using android

(OR)

b. Practice to find the current location using Emulator

Section C

[Answer ANY one of the following]
1X10=10

9. Create an home screen Widgets in Android

10. Test an android application and monetize it in Google Play store

Section A   [6 x 1 = 6]
[the Answer **ALL** questions]

1. Which of the following is not a UML diagram?
    a) Class   b) Interface
    c) Interface   d) use case

2. An object can have which of the following multiplicities?
    a) one   b) zero
    c) more than one   d) all of the above

3. _____ represents a built-in extensibility mechanism of the UML.
    a) Collaboration   b) Sequence
    c) Activity   d) Stereotypes

4. _____ are scenarios for understanding system requirements.
    a) use cases   b) classes
    c) attributes   d) objects

5. The term actor represents the role of _____
    a) activity   b) user
    c) job   d) behavior

6. The noun phrase approach was proposed by _____
    a) Rebacca Wirfs-Brock   b) Booch
    c) Jacobson   d) Rumbaugh

Section B   [2 x 7 = 14]
[Answer **ALL** the questions]

7. a) What is a) an association role b) multiplicity c) qualifier?   [OR]
   b) What is the difference between sequence diagram and collaboration diagram ?

8. a) Explain the guidelines for developing an effective documentation?   [OR]
   b) How would you identify actors?

Section C   [1 x 10 = 10]
[Answer **ANY TWO** question]

9. Discuss in detail about use case model ?

10. Describe the noun phrase strategy for identifying tentative classes in a problem domain?

Programme : BSc   Semester:II

Class   : I   Date:

Course Title :   **Programming in C#.NET**   Time: 10 to 12

Course Code: 20UITC21   Max. Marks: 45

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	C# does not support A. abstraction B. polymorphism C. multiple inheritance D. inheritance	CO3	K1
2	Child class is otherwise called as A. Base Class B. Sub class C. Super class D. Parent Class	CO3	K1
3	Defining two methods with the same name but with different parameters is called. A. Loading B. Overloading C. Multiplexing D. Duplexing	CO4	K1
4	Identify the shortcut key to Run your project in dot net. A. F2 B. F3 C. F4 D. F5	CO4	K2
5	How to move from Form Design to coding section in dot net	CO5	K1

			CO(s)	K - Level
	A. Scrolling the form B. Leftclick the form C. Doubleclick the form D. Minimize the form			
6	**The System.IO namespace is used to perform** A. Output operation B. File operation C. Input operation D. Execute operation		CO5	K1

Qn. No.		Section – B Answer ALL the Questions (5 x 3 = 15)	CO(s)	K – Level
7	A	Explain in detail about inheritance and its types with neat diagram.	CO3	K2
		OR		
	B	Express an example program for operator overloading	CO3	K2
8	A	Discuss the difference between HScrollBar and VScrollBar properties	CO4	K2
		OR		
	B	Express how will you display a "**HELLO WORLD**" message by means of button click event in a Label in c# windows application?	CO4	K2
9	A	Prepare a windows form application in C# to check whether the given number is odd or even using label, textbox and button.	CO4	K3
		OR		
	B	Use Radio button to change the color of a font in a label?	CO4	K3
10	A	Express Stream Writer class with an example.	CO5	K2
		OR		
	B	Distinguish between Binary Writer and binary Reader class.	CO5	K2
11	A	Demonstrate how to read a file in c# windows application	CO5	K3
		OR		
	B	Relate the following operations with an example in file handling	CO5	K3

| | | a) File.ReadAllText
b) File.ReadAlllines
c) File.Exists | | |

Qn. No.		Section – C Answer ALL the Questions (3 x 8 = 24)	CO(s)	K – Level
12	A	Explain an example program for Hierarchical inheritance.	CO3	K2
		OR		
	B	Classify in detail about Polymorphism.	CO3	K2
13	A	How will you Add, Insert and Remove an item from ComboBox in C# windows application?	CO4	K2
		OR		
	B	Create a login form using textbox, label and button with a message **"Successfully Logged in"** in a MessageBox in C# Windows application.	CO4	K2
14	A	Discuss how to create a file and add some text in c# windows application	CO5	K3
		OR		
	B	List out the steps to create an user control using label and ComboBox in c# windows applications with coding.	CO5	K3

Class in-charge   **HOD**

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

Programme :NME   Semester:II
Class   : I year   Date: 24.5.2021
Course Title :   E-commerce   Time: 2 to 4pm
Course Code: 20UITN21   Max. Marks: 45
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

Qn. No.	Section – A Answer ALL the Questions (6 x 1 = 6)	CO(s)	K – Level
1	General requirement for payment system are a)Confidentiality b) Integrity c) Authentication d)All of the above	CO3	K1
2	_____ is the replacement of paper based documents with electronic equivalents a)EDI b)FDI c) RBI d)None	CO3	K1
3	To reduce the number of suppliers and get them to become partners in business in a winning relationship is_____ a)Coordination b) Workflow automation c)Supplier management d) SCM	CO4	K1
4	_____ allows users to create and read e-mail message. a)MIME b)ASCII c)EDI d)EIME	CO4	K1
5	The _____method is based on the distributed approach. a)static b)server c)client-server d) network	CO5	K1
6	_____ environment to allow real-time a)network b)server c)offline d)virtual	CO5	K1

Qn. No.		Section – B Answer ALL the Questions (5 x 3 = 15)	CO(s)	K – Level
7	A	Describe Value-Added Networks	CO3	K1
		OR		
	B	Recall how to Design Electronic payment systems	CO3	K1

8	A	Rewrite an Outline of Internal Information Systems	CO4	K2
		OR		
	B	Summarize the Supply Chain Management of E-Commerce	CO4	K2
9	A	Apply the Types of Data Warehouses.	CO4	K3
		OR		
	B	Relate the advertising on Internet	CO4	K3
10	A	Explain Gopher and How to use WAIS in Various fields.	CO5	K2
		OR		
	B	Classify the consumer data interface emerging tools	CO5	K2
11	A	Demonstrate the Digital Copy rights and electronic commerce	CO5	K3
		OR		
	B	Outline the technology behind the software agents	CO5	K3

Qn. No.		Section – C Answer ALL the Questions (3 x 8 = 24)	CO(s)	K – Level
12	A	Explain how to use EDI applications in business	CO3	K2
		OR		
	B	Summaries Purchase presentation phase.	CO3	K2
13	A	Demonstrate how credit cards used for electronic transactions	CO4	K3
		OR		
	B	Types of digital Document	CO4	K3
14	A	Identify how to utilize Computer based education.	CO5	K2
		OR		
	B	Explain the Software Agents and Characteristics of agents	CO5	K2

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EVEN SEMESTER [2020-2021]
INTERNAL ASSESSMENT TEST – II

Programme   : II B.Sc(IT) (A&B)   Date: 22.05.2021
Course Code : 17UITC41   Time: 10 TO 11
Course Title   :Relational Database Management Concepts   Max Marks: 30

Section A
[Answer ALL the Questions]   6X1=6

1. Which keyword is used to eliminate duplicate values?
    a)like   b) select   c)distinct   d)trigger

2.Which of the following is not a transaction management SQL Command?
    a)SELECT   b)COMMIT   c)ROLLBACK   d)SAVE POINT

3.Who developed the BCNF?
    a)Boyd and Cromwell   b)Date and Codd   c)Date and White   d)Boyce   and
Codd

4.Which wild card symbol is used for zero or more arbitrary characters?
    a)%   b) _   c) &   d) *

5._____ is called as user defined cursor.
    a)Implicit Cursor   b)Explicit Cursor   c) Runtime cursor   d) pointer

6._____ is a procedure that is automatically invoked by DBMS.
    a)function   b) procedure   c)sub program   d)trigger.

Section B
[Answer ALL the following]   2X7=14

7. Write short notes on: Nested Queries   [OR]
  Discuss in detail about Aggregate Operators.

8.Explain Triggers in PL/SQL   [OR]
  Describe about Exception handling with example.

Section C
[Answer ANY one of the following]   1X10=10

9.Discuss in detail,UNION,INTERSECT,and EXCEPT operations in SQL with examples.

10.Explain about Cursor Management in PL/SQL

Class : **II IT (A&B)** Date : 24.05.21
Paper Code :**17UITC42** Time : 10-11am
Title of the Paper : **Operating System Concepts** Max Marks : 30

Section A [6 x 1 = 6]

Answer ALLthe questions
1. Which one of the following is the deadlock avoidance algorithm?
   a) banker's algorithm b) round-robin algorithm
   c) elevator algorithm d) karn's algorithm
2. The processes that are residing in main memory and are ready and waiting to execute are kept on a list called
   a) Job queue b) ready queue
   c)execution queue d) process queue
3. Which module gives control of the CPU to the process selected by the short-term scheduler?
   a) dispatcher b) interrupt
   c) schedulerd) driver
4.The interval from the time of submission of a process to the time of completion is termed as
a) response time b) throughput
   c) turnaround time d)waiting time
5.CPU fetches the instruction from memory according to the value of
   a) program counter b) status register
   c)instruction register d) program status word
6.Which one of the following is the address generated by CPU?
   a)physical addressb)absolute address
   c)logical addressd) memory

Section B [2 x 7 = 14]

Answer ALL the questions
7.a) Explain an one Scheduling algorithm with examples?
                    [OR]
 b)Define Deadlock. How to recover from deadlocks?
 8.a) Explain about Segmentation.
[OR]
   b) Explain Disk scheduling

Section C [2 x 10 = 20]

Answer ANY TWO question
9. Explain any five file operations.
10. Explain demand paging and its performance.

Class   : **III IT (A&B)**   Date :22.05.21
Paper Code   :17UITC62   Time : 10-11am
Title of the Paper : **Software Testing**   Max Marks : 30

Section A   [6 x 1 = 6]
[Answer **ALL**the questions]
3. _____ is not Structural Testing
   a) Parallel   b) Acceptance
   c) Stress   d) Regression

4. Testing which performed first is
 a) Dynamic Testing   b) Black box testing
    c)White Box Testing   d) Static Testing

3. Which of the following is not a described in a unit test standard?
a) Stress testing   b) Syntax testing
    c) Equivalence partitioningd) Balance Testing

4.Which of the following is not a Test Type?
a) Database Testing   b) Security Testing
    c) Statement Testing   d)Functional Testing

5.System testing is a
    a) Black box testing   b) Grey box testing
    c)White box testing   d) Integration testing

6.Functional testing is known as ------
    a)Component testing   b)Sanity testing
   c)Acceptance testing   d) Unit Testing

Section B [2 x 7 = 14]
[Answer **ALL** the questions]

7.a) Define Stress Testing.
                    [Or]
 b)Explain system testing with suitable examples.
 8.a) Define Functional and Non-Functional Testing.
[Or]
   b) Give an Overview of Configuration Testing.

Section C   [1 x 10 = 10]
[Answer **ANY ONE** question]

9.Explain the salient features of various software test tools with the merits and
    demerits.

10. Explain Performance Testing and process.

Class   : **III IT (A&B)**   Date : 24-05-2021
Paper Code :**17UITE62**   Time : 10-11am
Title of the Paper : **Compiler Design**   Max Marks : 30

Section A   [6 x 1 = 6]

[Answer ALL questions]

1. The segment base is specified using the register named is?
     a. ORG instruction   c. TITLE instruction
     b.   ASSUME instruction   d. SEGMENT instruction

2. Software that measures, monitor and control events are _____
     a.   System software   c. Real time software
     b.Scientific software   d. Business software

3. which Loader function is accomplished by Loader?
     a.   Reallocation   c. Allocation
     b.   Linking   d. Loading

4. Which of the following features cannot be captured by CFG
     a.   syntax of if then else statement
     b.   syntax of recursive procedure
     c.   a variable is declared before its use matching nested paranthesis

5. In which of the following no information hiding is done?
     a.   Compile ring1, ring 2   c. run test, prog
     b.   load R1, A   d. 00101000010101

6. the graph that shows basic blocks and their successor relationship is called_____
     a.   DAG   c. Flow Graph
     b.   Control graph   d. Hamilton Graph

Section B   [2 x 7 = 14]

[Answer ALL the questions]

7.a) How o implement a syntax.

                         [OR]

b) Explain Intermediate code.

8.a) Write about stack allocation scheme

                         [OR]

b) Give a note on lexical parse error

Section C   [2 x 10 = 20]

[Answer ANY one question]

9. Explain with example 3 address code.

10. Explain implementation of block structured language.

Programme   : III B.Sc(IT) (A&B)   Date: 25.5.2021
Course Code : 17UVED61   Time:10 to 11pm
Course Title   :Value Education   Max Marks: 25

Section A
[Answer Any THREE Questions]   **3X5=15**

1.What is courage? Write the importance of courage.

2.Explain the importance of human rights.

3.How to control corruption?

4.How to eradicate violence against women?

5. What is karma? Give an example.

Section B
[Answer Any ONE Question]   **1X10=10**

6. Write down the importance of values and the individuals.
7.Explain the role of education in developement of values.

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

Programme : BSc   Semester: II
Class   : I   Date: 25-05-21
Course Title : **EVS**   Time: 10 TO 12
Course Code: 20UEGS21   Max. Marks: 45
Course Outcomes (COs):

CO1	Define the concepts of Environmental Education and Relate the various environmental issues.
CO2	Classify the behavior of various Tropic Levels of Ecosystems and Interpret their Energy Flow. And make use of acquired knowledge in mitigation of Loss of Biodiversity.
CO3	Identify and apply knowledge in various types of wastes and their conversion into wealth.
CO4	Illustrate the Environmental Laws and Develop knowledge about Sustainable Development.
CO5	Make use of acquired knowledge in issues related to gender equality.

Qn. No.	Section – A Answer ALL the Questions (6 x 1 = 6)	CO(s)	K – Level
1	**Cruid oil is _____** A. colourless B. odourless C. smelly yellow and black liquid D. odourless yellow and black liquid	CO3	K1
2	**BTU is measurement of_____** A . volumeB . areaC . Heat content D . temperaure	CO3	K1

3	**Tiger is a _____ species of india**
	   A. extinct B. extinct in wild
	   C. endangered D. none of these
		CO4	K1

4	**Rock contains _____**
	   A. Diamond B. Calcitore
	   C. Talc D. all the above
		CO4	K1

5	**Which of the following country has the highest biodiversity**
	   A. South America B. South Africa
	   C. Russia D.India
		CO5	K1

6	**The active chemical drug reserpine is obtained from**
	   A. Datura B. Rauwolfia
	   C. Atropa D. Papaver
		CO5	K1

Qn. No.		Section – B Answer ALL the Questions (5 x 3 = 15)	CO(s)	K – Level
7	A	Discuss wind energy development in india	CO3	K2
		OR		
	B	Explain geo thermal energy	CO3	K2
8	A	What is decibel	CO4	K2
		OR		
	B	Describe calefaction	CO4	K2
9	A	Summarize acid rain	CO4	K2
		OR		
	B	Express the source of water pollution	CO4	K2
10	A	Explain biodiversity at global level	CO5	K2
		OR		
	B	Discuss the values of biodiversity	CO5	K2
11	A	Classify India based on its bio geography	CO5	K2
		OR		
	B	Sum up the threats to biodiversity	CO5	K2

Qn. No.		Section – C Answer ALL the Questions (3 x 8 = 24)	CO(s)	K – Level
12	A	Describe petroleum resources, oil shale and tar sands	CO3	K2
		OR		
	B	Write down the potential of tidal power in india	CO3	K2
13	A	Explain in detail about environmental impact on modem	CO4	K2
		OR		
	B	Describe rain water harvesting	CO4	K2
14	A	Discuss the hotspots of biodiversity	CO5	K2
		OR		
	B	Explain in detail about genetic diversity	CO5	K2