G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2020-21]
INTERNAL ASSESSMENT TEST – I

Class : **II BCA** Date : **21-10-2020**
Paper Code : **17UCAC31** Time : **10-11am**
Title of the Paper: **DATA STRUCTURE AND COMPTER ALGORITHMS** Max Marks : **30**

Section A **[6 x 1 = 6]**

[Answer ALL the questions]

1._____ is a data type in which the members of the data type are unknown to users of the type.

a)Real b)ADT c)Boolean d)Fraction

2._____ is a square matrix with all its non zero elements below the main diagonal.

a)Upper triangle matrices b) Lower triangle matrices

c) Lower and upper triangle matrices d) Tri diagonal matrices

3. _____ field indicates end of the list.

a)Data b)Address c)Null d)Next

4. Which one is nonlinear data structure?

a)Stack b)Queue c)Tree d)all of the above

5 The data structure required for Breadth First Traversal on a graph is?

a) Stack b) Array c) Queue d) Tree

6. A priority queue can efficiently implemented using which of the following data structures?

a) Array b) Linked List c) Heap Data Structures d)Stack

Section B **[2 x 7 = 14]**

[Answer ALL the questions]

7. a) Write about storage representation of 2D array? [OR]

b) Explain linked list implementation of ADT?

8. a) Give a note on various matrix representation ? [OR]

b) Describe the primitive operations in Dequeue?

Section C **[1 x 10 = 10]**

[Answer ANY ONE question]

9. Explain any 3 applications of stack in detail.

10. Describe circular linked list with their basic operations.

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2020-21]
INTERNAL ASSESSMENT TEST – II

Class : **II BCA** Date :**17-11-2020**
Paper Code : **17UCAC31** Time : **10-12am**
Title of the Paper: **DATA STRUCTURE AND COMPTER ALGORITHMS** Max Marks: **50**

Section A **[9x 1 = 9]**

[Answer ALL the questions]

1. The node that has no children is _____

a) Parent node b) Leaf node c) Root node d) Siblings

2. The preorder traversal sequence of a binary search tree is 30, 20, 10, 15, 25, 23, 39, 35, 42. Which one of the following is the postorder traversal sequence of the same tree?

(A) 10, 20, 15, 23, 25, 35, 42, 39, 30 (B) 15, 10, 25, 23, 20, 42, 35, 39, 30

(C) 15, 20, 10, 23, 25, 42, 35, 39, 30 (D) 15, 10, 23, 25, 20, 35, 42, 39, 30

3. What is a full binary tree?

a) Each node has exactly zero or two children b) Each node has exactly two children

c) All the leaves are at the same level d) Each node has exactly one or two children

4. A threaded binary tree is a binary tree in which every node that does not have right child has a thread to its_____

a) Pre-order successor b) In-order successor c) In-order predecessor d) Post-order successor

5. Any node is the path from the root node is called_____

a) Root node b) Successor node c) Ancestor node d) internal node

6. In an expression tree algorithm, what happens when an operand is encountered?

a) create one node pointing to a stack b) pop the nodes from the stack

c) clear stack d) merge all the nodes

7. The code length does not depend on the frequency of occurrence of characters.

a) true b) false

8. In Huffman coding, data in a tree always occur?

a) roots b) leaves c) left sub trees d) right sub trees

9._____ is used to describe the algorithm in less formal language

a) Cannot be defined b) Natural language c) Pseudocode d) Flowchart

Section B **[3 x 7 = 21]**

[Answer ALL the questions]

10. a) Explain the representation of binary tree? [OR]

b) Illustrate the binary tree traversal with example.

11. a) Give a note on expression trees? [OR]

b) Describe about types of binary tree with example

12.a) Write a note on merge sort algorithm? [OR]

b) Describe the performance analysis of algorithm?

Section C **[2 x 10 = 20]**

[Answer ANY TWO questions]

13. Explain threaded binary tree with example.

14. Explain about binary search with example program.

15. Describe the applications of tree.

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2020-21]
INTERNAL ASSESSMENT TEST – I

Programme : **II BCA (A&B)** Date: **22.10.2020**
Course Code : **17UCAC32** Time: **10 to 11 am**
Course Title : **COMPUTER GRAPHICS & MULTIMEDIA** Max Marks: **30**

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

1. _____is the pictorial representation and manipulation of data by a computer.
a)Audio b) Computer Graphics c) Screen d) Display

2. A _____ moves all points in an object from one position to new positions.
a)Translation b) Rotation c) Scaling d) Shear

3. _____ drawing is accomplished by calculating intermediate point coordinates along the line path between two given end points.
a) Circle b) Ellipse c) point d) Line

4. _____ is a scan conversion line algorithm.
a)DDA b)Bresenham c)Midpoint d)Ellipse drawing

5. A world coordinate area selected for display is called a _____.
a) Viewport b) Window c) Clipping d) Region

6. The mapping of a part of a world coordinate scene to device coordinate is referred to as _____.
a) pipeline b) transformation c) viewing transformation
d) reflection

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

7. a. What are the applications of computer graphics?
(OR)
b. Explain in detail about Boundary fill algorithm .

8. a. What is composite transformation? Explain in detail.
(OR)
b. Explain in detail about window to viewport transformation.

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

9. Explain in detail about DDA algorithm.

10. What are the three basic transformations? Explain in detail.

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2020-21]
INTERNAL ASSESSMENT TEST – II

Programme : **II BCA (A&B)** Date: **19.11.2020**
Course Code : **17UCAC32** Time: **10 am to 12 pm**
Course Title : **COMPUTER GRAPHICS & MULTIMEDIA** Max Marks: **50**

Section A
[Answer ALL the Questions] **9X1=9**

1. _____is the method of cutting away parts of a picture that lie outside the displaying window.
   a) Clipping b)Cutting c) Manipulating d) Monitoring
2. The _____ defines what is to be viewed.
   a)viewport b) window c) Scaling d) Shear
3. _____ contains menus for performing common tasks.
   a)Panel b) Option bar c) Menu Bar d) Tool bar
4. _____ is the additive color mode.
   a)CMYK b)RGB c)Magenta d)Yellow
5. A _____is like a sheet of transparent film, similar to ones used for an overhead projector.
   a) Palette b) Photoshop panel c) Photoshop tools d) Photoshop layer
6. _____ is efficient algorithm for clipping convex polygons.
   a) Sutherland hodgman b) Shear c) Cohen sutherland d) reflection
7. _____ is the process of removing lines or portions of lines outside an area of interest.
   a) Point clipping b)Polygon clipping c)Line clipping d)Text clipping
8. In _____clipping part of the picture outside the window is saved.
   a)Interior b)Exterior c)Text d)Point
9. A _____ is a collection of pixels that describes an image.
   a)Bitmap b)Pixel c)Coordinates d)Point

Section B
[Answer ALL the following] **3X7=21**

10. a. Explain in detail about window to viewport transformation.
    (OR)
    b. Describe viewing pipeline .
11. a. Explain text clipping.
    (OR)
    b. Explain in detail about exterior clipping.
12. a. Explain about the palettes in photoshop.
    (OR)
    b. What is workspace in photoshop. Explain in detail

Section C
[Answer ANY two of the following] **2X10=20**

13. Explain in detail about Cohen Sutherland line clipping.
14. Explain in detail about polygon clipping.
15. What are the tools available in photoshop. Explain in detail.

Reg.No : | | | | | | | | |

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2020-21]
INTERNAL ASSESSMENT TEST – I

Class : **II BCA (A&B)** Date**: 23.10.2020**
Course Code : **17UCAC33** Time: **10.00 -11.00am**
Course Title: **Operating system** Max Marks: **30**

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

1. To access the service of operating system, the interface is provided by the_____

a) API b) System Call c) Library d) Kernel

2. Example of monolithic architecture

a) VMS b) Windows XP c) UNIX d)WINDOWS NT

3. A_____ operating system is designed such that it can operate on many hardware configurations.

a) extensible b) scalable c) portable d) secure

4. A problem encountered in multitasking when a process is perpetually denied necessary resources is called_____

a) deadlock b) starvation c) inversion d) aging

5. _____ level scheduler is also called as dispatcher

a) high b) long term c) intermediate d) low

6. A user with an important job may be willing to pay a premium to, _____ priority for a higher level of service

a) static b) dynamic c) purchase d) higher

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

7. a) Distinguish monolithic architecture and microkernel architecture?

[OR]

b) Express your view on process Descriptors with a neat sketch.

8. a) Elaborate the Resource allocation graph in detail.

[OR]

b) Demonstrate Round Robin scheduling with neat sketch?

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

9. Describe the concept of interrupt and inter-process communication in detail.

10.Illustrate the deadlock avoidance with Dijkstra's Banker's algorithm.

Reg.No : | | | | | | | | |

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2020-21]
INTERNAL ASSESSMENT TEST – II

Class : **II BCA (A&B)** Date**: 21.11.2020**
Course Code : **17UCAC33** Time: **10.00 -12.00pm**
Course Title: **Operating system** Max Marks: **50**

Section A
[Answer ALL the Questions] **9X1=9**

1. Time taken for data to rotate from current position to read- write head is known as _____.

   [a] Mean Response time [b] Seek time

   [c] Rotational Latency time [d] transmission time

2. In _____ information is recorded magnetically on platters.

   [a] magnetic disk [b] electrical disk

   [c] assemblies [d] cylinder

3. The Number of requests serviced per unit of time is termed as _____

   [a] waiting time [b] turnaround time

   [c] response time [d] throughput

4. Magnetic disks divide tracks into several _____ each containing _____ bytes.

   [a] cylinder,512 [b] surface, 1024

   [c] sectors, 512 [d] platter,1024

5. In the _____ algorithm ,the disk arm starts at one end of the disk moves toward the other end, servicing request till the other end of the disk. At the other end the direction is reversed and servicing continues.

   [a] Look [b] C-Look

   [c] C-Scan [d] Scan

6. Linux is _____

   [a] Single user, single tasking [b] Single user, Multi tasking

   [c] Multi user, Single tasking [d] Multiuser, Multi tasking

7. Which of the following is not a part of all the versions of UNIX?

[a] Kernel and Shell [b] Commands and utilities

[c] GUI [d] Files and Directories

8. Types of shells are classified into _____

[a] 4 [b] 5

[c] 6 [d] 7

9. Which of the following is not true about Android?

[a] Supports all google services [b] Supports multitasking

[c] Not support graphics [d] Function as router to share internet

Section B

[Answer ALL the following] **3X7=21**

10.a) What are the characteristic of moving head disk storage? Draw the schematic top view of disk surface with neat sketch.

[OR]

b) Write down three criteria to measure disk scheduling strategies. and draw the disk request pattern with neat sketch.

11. a) Why Disk scheduling is necessary? Explain Shortest seek time first scheduling with example?

[OR]

b) Compare FSCAN and N-Step Scan scheduling with same example.

12. a) List the components and features of Linux operating system.

[OR]

b) Draw and explain Android Architecture?

Section C

[Answer ANY one of the following] **2X10=20**

13.Explain the SCAN and C-SCAN disk scheduling strategies with a suitable example.

14. Demonstrate how Shortest Latency Time First Scheduling and Shortest Access Time First Scheduling is carried out for Rotational Optimization? Justify with diagrams.

15.Explain UNIX kernel structure architecture with a neat sketch.

Reg.No : | | | | | | | | |

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2020-21]
INTERNAL ASSESSMENT TEST – I

Class : **II BCA (A&B)** Date**: 24.10.2020**
Course Code : **17UCAC34** Time: **10.00 -11.00am**
Course Title: **Software Engineering** Max Marks: **30**

Section A

[Answer ALL the Questions] 6X1=6

1. Enhancing the capabilities of the product is one of the activity in Software ____
   a) quality b)reliability c) maintenance d) design
2. A program is called _____ when it uses only the sequence, selection and iteration types of constructs
   a)Unstructured b)Structured c) Object-oriented d) assembler
3. In which metric, the project size is estimated by counting the number of source instructions in the developed program?
   a) Function point b) LOC c) SRS d)UFP
4. _____ method is bottom-up estimation tool
   a) Expert Judgment b) Group consensus c)Work breakdown structures d)LOC
5. The _____team structure provide opportunity for each team member to contribute to decisions
   a)Democratic b)Chief programmer c)Hierarchical d)All the above
6. Boehm suggests that maintenance effort can be estimated by use of _____
   a)Adaptability b)Effort estimation c)Activity ratio d)FSP

Section B

[Answer ALL the following] 2X7=14

7. a) Explain the Project size categories in Software Engineering
   (OR)
   b)Explain about the Project Team Structure in Software Engineering
8. a) Explain the Staffing Level Estimation
   (OR)
   b) Explain the Software Cost Factors in detail

Section C

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

9. Explain the Quality and Productivity Factors in Software Engineering (OR)
10. Explain Software Cost Estimation Techniques in detail

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2020-21]
INTERNAL ASSESSMENT TEST – II

Programme : **II BCA (A&B)** Date : **23.11.2020**
Course code : **17UCAC34** Time : **10.00-12.00AM**
Course name : **Software Engineering** Max Marks : **50**

SECTION A

Answer ALL the Questions **9X1=9**

1._____design is concerned with refining the conceptual view of the system
a) external b)detail c) architectural d) internal

2.CDR stands for
a) Critical Design Review b) Common Design Review c) Coupling Design Review d) Code Design Review

3 .In the following which one is the property of stack
a) LIFO b)FIFO c) LOFI d) FOFI

4._____coupling can occur in assembly language
a) stamp b)data c) Common d) content

5._____notation can be used in both the architectural and detailed design
a) flowchart b) pseudo code c) HIPO diagram d) Data flow diagram

6.In the following which one is bottom up design techniques
a) structured design b) stepwise refinement c) Integrated development d) levels of abstraction

7._____test are concerned with examining the internal processing logic of a software system.
a) function b) performance
c) structure d) stress

8.____is the process of isolating and correcting the causes of known error.
a) testing b) verification
c) exception d) debugging

9.Walkthrough sessions should be limited to____hours
a) 3 b)2 c) 4 d) 1

SECTION B

Answer ALL the Questions **3X7=21**

10. a) Explain about types of Coupling in detail.

[OR]

b)Discuss about cohesion in detail.

11.a) Discuss about walkthrough and inspection.

[OR]

b) Explain :Unit testing in detail.

12.a) Explain about integration testing in detail.

[OR]

b)Discuss about formal verification in detail.

SECTION C

Answer any TWO the Questions **2X10=20**

13.Explain about fundamental design concept in detail.

14.list out design notations and explain about any FIVE.

15.Write about any THREE design techniques in detail.


IN GOD WE TRUST

Reg.No :

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2020-21]
INTERNAL ASSESSMENT TEST – I

Programme: **III BCA (A&B)** Date**: 21.10.2020**
Course Code: **17UCAC51** Time: **10.00 -11.00 AM**
Course Title: **Dot Net Programming** Max Marks: **30**

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

1. CLR in the .Net is equivalent to _____.
   a. Java Virtual machine
   b. Common Language Runtime
   c. Common Type System
   d. Common Language Specification

2. The point at which an exception is thrown is called the _____.
   a. Default point b. Invoking point c. Calling point d. Throw point

3. The data members of a class by default are?
   a. protected, public b. private, public c. private d. public

4. _____ control does not have a visual representation in form.
   a. Timer b. Menu c. Combo box d. Open dialog

5. Which type does not contain the actual data stored in a variable?
   a. reference b. object c. string d. value

6. Which control is used to add descriptive text in a form?
   a. text b. label c. Data grid d. list box

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

7. a. Discuss on buttons and timer controls with their associated properties and events.

   [OR]

   b. Explain about events and their types.

8. a. Explain the parts of C# file. [OR]

   b. Write a short note on ADD-Ins.

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

9. Explain toolbox in detail with a neat sketch.
10. Explain the menu creation and customization.

Reg.No : | | | | | | | | |

G.T.N.ARTS COLLEGE (Autonomous)

(Affiliated to Madurai Kamaraj University)

(Accredited by NAAC with 'B' Grade)

ODD SEMESTER [2020-21]

INTERNAL ASSESSMENT TEST – II

Programme : **III BCA (A&B)** **Date: 18.11.2020**

Course Code : **17UCAC51** **Time: 10 to 12 AM**

Course Title : **DOTNET Programming** **Max Marks: 50**

Section A

[Answer ALL the Questions] **9X1=9**

1. C# exceptions are represented by _____

a) Classes b) Methods c) Namespaces d) Packages

2. ____ is a small pop-up window that displays some information when the cursor is rollover on a control.

a) Tooltext b) Tooltip c) Print d) Setup

3. ____ has static methods to copy and paste data.

a) Database b) Class c)Clipboard d) File

4. MDI stands for _____

a) Multiple Document Interface b) Multi Doctype Interface

c) Multiple Document Interchange d) Multiple Doctype Interchange

5. Which control eliminates the design forms to execute a step by step process in the actual business flow?

a) setup b) timer c) data d) wizard

6. _____ is a software system specifically designed to hold databases.

a) DBMS b) ERP c) PHP d) IMS

7. _____ contains all of the commands necessary to interact with the datasource.

a) Sqlcommandbuilder b) Dataset c) SqlDataadapter d) Querymanager

8. A _____ object is any defined object in a database that is used to store or reference data.

a) database b) asp c) prototype d) connection

9. The ___ method is used to store data that is in object format to the clipboard.

a) GetDataObject b) SetDataObject c) SelectedText d) clear

Section B

[Answer ALL the following] **3X7=21**

10. a. Write a short note on MDI forms. [OR]

b. Discuss on connecting multiple events with a single event handler.

11. a.Explain Printdialog and Print Preview tool . [OR]

b. Discuss on Data Form Wizard with example.

12. a. List the steps involved in showing data in Grid. [OR]

b. Explain the concepts related to dealing with large database.

Section C

[Answer ANY TWO of the following] **2X10=20**

13. Explain reading and writing to a file with its methods.

14. Write a short note on Graphics in C#.

15. Explain the steps for creating a report in C#.

Reg.No : | | | | | | | | |

G.T.N.ARTS COLLEGE (Autonomous)

(Affiliated to Madurai Kamaraj University)

(Accredited by NAAC with 'B' Grade)

ODD SEMESTER [2020-21]

INTERNAL ASSESSMENT TEST – I

Programme : **III BCA (A&B)** **Date: 22.10.2020**

Course Code : **17UCAC52** **Time: 10 to 11 AM**

Course Title : **PHP and JAVA SCRIPT** **Max Marks: 30**

Section A

[Answer ALL the Questions] **6X1=6**

1. PHP stands for

a) Hyper Text Process b) Process High Process

c) Hyper Text Preprocessor d) All of the above

2. PHP delimiter is _____

a) <?php … ?> b) <?? …… /?>

c) <_Php… _php> d) All of the above

3. PHP Variable proceeds with a ____symbol.

a) & b) * c) / d) $

4. _____ is used to skip the loop iteration.

a) Break b) Continue c) switch d) if

5. Which is the line break function in string?

a) nlzbr() b) br() c) break() d) all

6. ____ method is used to get the confirmation input from user in Java Script.

a) blur() b) confirm()

c) Alert () d) escape ()

Section B

[Answer ALL the following] **2X7=14**

7. a. Discuss the concept of the main window and new window in Java Script. [OR]

b. Write the Java Script program for form validation.

8. a. Explain the unique features and basic development concepts in PHP. [OR]

b. Compare Else if and Switch statements in PHP with example.

Section C

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

9. List the PHP operators and explain how to manipulating Variables.

10. Give any 10 String Functions and it uses with example.

Reg.No : | | | | | | | | |

G.T.N.ARTS COLLEGE (Autonomous)

(Affiliated to Madurai Kamaraj University)

(Accredited by NAAC with 'B' Grade)

ODD SEMESTER [2020-21]

INTERNAL ASSESSMENT TEST – II

Programme : **III BCA (A&B)** **Date: 20.11.2020**

Course Code : **17UCAC52** **Time: 10 to 12 PM**

Course Title : **PHP and JAVA SCRIPT** **Max Marks: 50**

Section A

[Answer ALL the Questions] **9X1=9**

1. ____ statement is alternative of Else If statement.

a) Switch b) While c) Break d) For

2. ____ function is used to uppercase the first character of every word in a string in PHP.

a) ucfirst() b) strstr() c) ucword() d) All of the above

3. ____ function is used to rounds up a number in PHP.

a) floor() b) rand() c) abs() d) ceil()

4. _____ is used to skip the loop iteration.

a) Break b) Continue c) switch d) if

5. Which is the PHP line break function in string?

a) nlzbr() b) br() c) break() d) all

6. DOM stands for

a) Document Object Model b) Document Observe Model

c) Defining Object Model d) Document Object Module

7. _____ object is used to provide browser history information.

a) Window b) History c) Navigator d) DOM

8. A _____ function can be used to create reusable code for objects.

a) Constructor b) break c) prototype d) all

9. The ___ loop allows you to cycle through the properties of an object.

a) for b) For each c) while d) with

Section B

[Answer ALL the following] **3X7=21**

10. a. Compare the PHP while and do while loop with example. [OR]

b. Write PHP script using String functions.

11. a. Explain the Numeric functions usage in PHP. [OR]

b. Discuss the concept of Arrays in PHP.

12. a. List the Document Object Properties and its uses in Java Script. [OR]

b. Explain the navigator object properties and methods in Java Script.

Section C

[Answer ANY TWO of the following] **2X10=20**

13. Give the syntax and examples of PHP conditional statements in detail.

14. List any ten Array Functions in PHP and explain it.

15. Write steps for creating Computer Object with Java Script program.

Reg.No : | | | | | | | | |

G.T.N.ARTS COLLEGE (Autonomous)

(Affiliated to Madurai Kamaraj University)

(Accredited by NAAC with 'B' Grade)

ODD SEMESTER [2020-21]

INTERNAL ASSESSMENT TEST – I

Programme	**: III BCA (A&B)**	**Date: 23.10.2020**
Course Code	**: 17UCAE52**	**Time: 10 to 11 AM**
Course Title	**: Digital Image Processing**	**Max Marks: 30**

Section A

[Answer ALL the Questions] **6X1=6**

1. What is the third step in digital image processing?

a) Image restrotion b) Segmentation

c) Image Enhancement d) Color Image processing

2. Digitizing the coordinate values of a continuous image is called _____

a) Compression b) Quantization

c) Sampling d) Segmentation

3. ___ is the total amount of energy that flows from light source.

a) Radiance b) Darkness c) Brightness d) Luminance

4. Which of the following is not a medical application of digital image processing?

a) Ultrasonic b) cineangiograms c) CCTV d) Nuclear Magnetic Resonance

5. Transformations that removes inter pixel redundancy are referred as

a) Noise b) Mapping c) Filters d) Relations

6. The sharpness and accuracy of an image is basically known as

a) Illumination b) Resolution

c) Quantization d) Scaling

Section B

[Answer ALL the following] **2X7=14**

7. a. List the applications of Digital Image Processing [OR]

b. Discuss the components of Digital Image processing.

8. a. Explain the concept of Image Acquisition. [OR]

b. Describe the Image Sampling and Quantization.

Section C

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

9. Explain the Fundamentals of Image Processing.

10. Write notes on Visual Perception.

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

Odd Semester (2020 – 2021)

OBE Regulation – 2020

Continuous Internal Assessment Test – I

Programme: BCA | Semester: I

Class: I BCA | Date: 20/11/2020

Course Title: Computer Fundamentals and Programming with C | Time: 10 am to 12 pm

Course Code: **20UCAC11** | Max. Marks: 45

Course Outcomes (COs):

CO1	Define the basic organization of computer.
CO2	Demonstrate programs involving Decision structures and Control statements
CO3	Apply the concepts of Arrays to write C programs

Qn. No.	Section – A Answer ALL the Questions (6 x 1 = 6)	CO(s)	K – Level
1	_____ generation of computer started with using vacuum tubes as the basic components. a) 1st b) 2nd c) 3rd d) 4th	CO1	K1
2	Which one of the following is not an input device? a)Bar codes b) video capture c) plotter d)smart cards	CO1	K1
3	C variable can start with ---------- a)Number b)Underscore c) Asterisk(*) d) plus sign (+)	CO2	K2
4	Which one of the following loop that executes at least only once? a) For b) While c)do..while d)If	CO2	K2
5	What is the right way to initialize array? a)int num[6]=(1,2,3,4,5,6}; b) int n{}={1,2,3,4,5,6}; c) int num{6}={1,2,3}; d) int n(6)={1,2,3,4,5,6}:	CO3	K3

6	What will be the output of the program?
	#include<Stdio.h>
	void main{
	int arr[1]=[10];
	printf("%d",arr[0]);
	}
	a)1 b) 0 c) 10 d) none of these
		CO3	K3

Qn. No.		Section – B Answer ALL the Questions (5 x 3 = 15)	CO(s)	K – Level
7	A	Define the types of RAM.	CO1	K1
		OR		
	B	write about the types of ROM.	CO1	K1
8	A	Reproduce the following decimal no to binary a)850 b)101010101010	CO1	K1
		OR		
	B	List the symbols of flowchart.	CO1	K1
9	A	State the structure of C Program	CO2	K2
		OR		
	B	Discuss about input statements with example program	CO2	K2
10	A	Describe the syntax of while loop with example.	CO2	K2
		OR		
	B	Describe the syntax of do loop with example.	CO2	K2
11	A	State the syntax of one dimensional array.	CO3	K3
		OR		
	B	State the syntax of two dimensional array.	CO3	K3

Qn. No.		Section – C Answer ALL the Questions (3 x 8 = 24)	CO(s)	K – Level
12	A	Describe the classification of computer	CO1	K1
		OR		
	B	Reproduce the following numbers. a) 5678_{10} to octal and hexadecimal number b) 32578_{10} to octal and hexadecimal number c) 111000101010_2 to octal and hexadecimal number d) 1100110011001100_2 to decimal number	CO1	K1
13	A	Demonstrate the types of if statements with example	CO2	K2
		OR		
	B	Describe about input and output statements with example program.	CO2	K2
14	A	Write a program to sort a given number in ascending order	CO3	K3
		OR		
	B	Write a program to add the given two matrix.	CO3	K3

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

Odd Semester (2020 – 2021)

OBE Regulation – 2020

Continuous Internal Assessment Test – I

Programme: BCA | Semester: I

Class: I-BCA – A, B | Date: 24.11.20

Course Title: Value Education | Time: 10 – 12 AM

Course Code: 20UVEV11 | Max. Marks: 45

Course Outcomes (COs):

CO1	Trace their personality and social values based on the principles of human values
CO2	Relate a sense of Love, Peace and Brotherhood at the local, national and international level
CO3	Identify the social realities and inculcate essential value system towards building a healthy society

Qn. No.	Section – A Answer ALL the Questions (6 x 1 = 6)	CO(s)	K – Level
1	____ is a process of initiating the learner to good life. a)Personality b) Principles c)Education d)Values	CO1	K1
2	_____ is about doing things without have to be told. a)Self initiative b)Self discipline c)Empathy d)Honesty	CO1	K1
3	Good _____ makes us god in heaven. a)Yoga b)Karma c)Ahimsa d)Compassion	CO2	K1
4	_____ means without violence. a)Karma b)Education c)Empathy d)Ahimsa	CO2	K1
5	_____ is of the people, by the people and for the people a)Socialism b)Politics c)Democracy d)Justice	CO3	K1
6	_____ is an interactive process whereby members of a community are concerned for the equality and rights of all. a)Social justice b)Karma c)Politics d)Society	CO3	K1

Qn. No.		Section – B Answer ALL the Questions (5 x 3 = 15)	CO(s)	K – Level
7	A	Define Values?	CO1	K1
		OR		
	B	State the significance of values?	CO1	K1
8	A	List out the needs of value education.	CO1	K1
		OR		
	B	Relate an individual with his values.	CO1	K1
9	A	Illustrate the need for religious harmony.	CO2	K2
		OR		
	B	Compare love and justice in christianity.	CO2	K2
10	A	Explain in detail about karma yoga in Hinduism.	CO2	K2
		OR		
	B	Discuss in detail about universal brotherhood in islam.	CO2	K2
11	A	Illustrate the use of socialism.	CO3	K2
		OR		
	B	Explain in detail about Social justice.	CO3	K2

Qn. No.		Section – C Answer ALL the Questions (3 x 8 = 24)	CO(s)	K – Level
12	A	State the importance of self discipline and self confidence?	CO1	K1
		OR		
	B	List out the benefits of honesty and courage.	CO1	K1
13	A	Explain in detail about ahimsa in jainism.	CO2	K2
		OR		
	B	Demonstrate the role of selfless service in sikhism.	CO2	K2
14	A	Illustrate the importance of democracy.	CO3	K2
		OR		
	B	Represent in detail about human rights.	CO3	K2

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2020-21]
INTERNAL ASSESSMENT TEST – II

Class : **II BCA** Date :**17-11-2020**
Paper Code : **17UCAC31** Time : **10-12am**
Title of the Paper: **DATA STRUCTURE AND COMPTER ALGORITHMS** Max Marks: **50**

Section A **[9x 1 = 9]**

[Answer ALL the questions]

1. The node that has no children is _____

a) Parent node b) Leaf node c) Root node d) Siblings

2. The preorder traversal sequence of a binary search tree is 30, 20, 10, 15, 25, 23, 39, 35, 42. Which one of the following is the postorder traversal sequence of the same tree?

(A) 10, 20, 15, 23, 25, 35, 42, 39, 30 (B) 15, 10, 25, 23, 20, 42, 35, 39, 30

(C) 15, 20, 10, 23, 25, 42, 35, 39, 30 (D) 15, 10, 23, 25, 20, 35, 42, 39, 30

3. What is a full binary tree?

a) Each node has exactly zero or two children b) Each node has exactly two children

c) All the leaves are at the same level d) Each node has exactly one or two children

4. A threaded binary tree is a binary tree in which every node that does not have right child has a thread to its_____

a) Pre-order successor b) In-order successor c) In-order predecessor d) Post-order successor

5. Any node is the path from the root node is called_____

a) Root node b) Successor node c) Ancestor node d) internal node

6. In an expression tree algorithm, what happens when an operand is encountered?

a) create one node pointing to a stack b) pop the nodes from the stack

c) clear stack d) merge all the nodes

7. The code length does not depend on the frequency of occurrence of characters.

a) true b) false

8. In Huffman coding, data in a tree always occur?

a) roots b) leaves c) left sub trees d) right sub trees

9._____ is used to describe the algorithm in less formal language

a) Cannot be defined b) Natural language c) Pseudocode d) Flowchart

Section B **[3 x 7 = 21]**

[Answer ALL the questions]

10. a) Explain the representation of binary tree? [OR]

b) Illustrate the binary tree traversal with example.

11. a) Give a note on expression trees? [OR]

b) Describe about types of binary tree with example

12.a) Write a note on merge sort algorithm? [OR]

b) Describe the performance analysis of algorithm?

Section C **[2 x 10 = 20]**

[Answer ANY TWO questions]

13. Explain threaded binary tree with example.

14. Explain about binary search with example program.

15. Describe the applications of tree.

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2020-21]
INTERNAL ASSESSMENT TEST – II

Programme : **II BCA (A&B)** Date: **19.11.2020**
Course Code : **17UCAC32** Time: **10 am to 12 pm**
Course Title : **COMPUTER GRAPHICS & MULTIMEDIA** Max Marks: **50**

Section A
[Answer ALL the Questions] **9X1=9**

1. _____is the method of cutting away parts of a picture that lie outside the displaying window.
   a) Clipping b)Cutting c) Manipulating d) Monitoring
2. The _____ defines what is to be viewed.
   a)viewport b) window c) Scaling d) Shear
3. _____ contains menus for performing common tasks.
   a)Panel b) Option bar c) Menu Bar d) Tool bar
4. _____ is the additive color mode.
   a)CMYK b)RGB c)Magenta d)Yellow
5. A _____is like a sheet of transparent film, similar to ones used for an overhead projector.
   a) Palette b) Photoshop panel c) Photoshop tools d) Photoshop layer
6. _____ is efficient algorithm for clipping convex polygons.
   a) Sutherland hodgman b) Shear c) Cohen sutherland d) reflection
7. _____ is the process of removing lines or portions of lines outside an area of interest.
   a) Point clipping b)Polygon clipping c)Line clipping d)Text clipping
8. In _____clipping part of the picture outside the window is saved.
   a)Interior b)Exterior c)Text d)Point
9. A _____ is a collection of pixels that describes an image.
   a)Bitmap b)Pixel c)Coordinates d)Point

Section B
[Answer ALL the following] **3X7=21**

10. a. Explain in detail about window to viewport transformation.
    (OR)
    b. Describe viewing pipeline .
11. a. Explain text clipping.
    (OR)
    b. Explain in detail about exterior clipping.
12. a. Explain about the palettes in photoshop.
    (OR)
    b. What is workspace in photoshop. Explain in detail

Section C
[Answer ANY two of the following] **2X10=20**

13. Explain in detail about Cohen Sutherland line clipping.
14. Explain in detail about polygon clipping.
15. What are the tools available in photoshop. Explain in detail.

Reg.No : | | | | | | | | |

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2020-21]
INTERNAL ASSESSMENT TEST – II

Class : **II BCA (A&B)** Date**: 21.11.2020**
Course Code : **17UCAC33** Time: **10.00 -12.00pm**
Course Title: **Operating system** Max Marks: **50**

Section A
[Answer ALL the Questions] **9X1=9**

1. Time taken for data to rotate from current position to read- write head is known as _____.

   [a] Mean Response time [b] Seek time

   [c] Rotational Latency time [d] transmission time

2. In _____ information is recorded magnetically on platters.

   [a] magnetic disk [b] electrical disk

   [c] assemblies [d] cylinder

3. The Number of requests serviced per unit of time is termed as _____

   [a] waiting time [b] turnaround time

   [c] response time [d] throughput

4. Magnetic disks divide tracks into several _____ each containing _____ bytes.

   [a] cylinder,512 [b] surface, 1024

   [c] sectors, 512 [d] platter,1024

5. In the _____ algorithm ,the disk arm starts at one end of the disk moves toward the other end, servicing request till the other end of the disk. At the other end the direction is reversed and servicing continues.

   [a] Look [b] C-Look

   [c] C-Scan [d] Scan

6. Linux is _____

   [a] Single user, single tasking [b] Single user, Multi tasking

   [c] Multi user, Single tasking [d] Multiuser, Multi tasking

7. Which of the following is not a part of all the versions of UNIX?

[a] Kernel and Shell [b] Commands and utilities

[c] GUI [d] Files and Directories

8. Types of shells are classified into _____

[a] 4 [b] 5

[c] 6 [d] 7

9. Which of the following is not true about Android?

[a] Supports all google services [b] Supports multitasking

[c] Not support graphics [d] Function as router to share internet

Section B

[Answer ALL the following] **3X7=21**

10.a) What are the characteristic of moving head disk storage? Draw the schematic top view of disk surface with neat sketch.

[OR]

b) Write down three criteria to measure disk scheduling strategies. and draw the disk request pattern with neat sketch.

11. a) Why Disk scheduling is necessary? Explain Shortest seek time first scheduling with example?

[OR]

b) Compare FSCAN and N-Step Scan scheduling with same example.

12. a) List the components and features of Linux operating system.

[OR]

b) Draw and explain Android Architecture?

Section C

[Answer ANY one of the following] **2X10=20**

13.Explain the SCAN and C-SCAN disk scheduling strategies with a suitable example.

14. Demonstrate how Shortest Latency Time First Scheduling and Shortest Access Time First Scheduling is carried out for Rotational Optimization? Justify with diagrams.

15.Explain UNIX kernel structure architecture with a neat sketch.

Reg.No : | | | | | | | | |

G.T.N.ARTS COLLEGE (Autonomous)

(Affiliated to Madurai Kamaraj University)

(Accredited by NAAC with 'B' Grade)

ODD SEMESTER [2020-21]

INTERNAL ASSESSMENT TEST – II

Programme : **III BCA (A&B)** **Date: 18.11.2020**

Course Code : **17UCAC51** **Time: 10 to 12 AM**

Course Title : **DOTNET Programming** **Max Marks: 50**

Section A

[Answer ALL the Questions] **9X1=9**

1. C# exceptions are represented by _____

a) Classes b) Methods c) Namespaces d) Packages

2. ____ is a small pop-up window that displays some information when the cursor is rollover on a control.

a) Tooltext b) Tooltip c) Print d) Setup

3. ____ has static methods to copy and paste data.

a) Database b) Class c)Clipboard d) File

4. MDI stands for _____

a) Multiple Document Interface b) Multi Doctype Interface

c) Multiple Document Interchange d) Multiple Doctype Interchange

5. Which control eliminates the design forms to execute a step by step process in the actual business flow?

a) setup b) timer c) data d) wizard

6. _____ is a software system specifically designed to hold databases.

a) DBMS b) ERP c) PHP d) IMS

7. _____ contains all of the commands necessary to interact with the datasource.

a) Sqlcommandbuilder b) Dataset c) SqlDataadapter d) Querymanager

8. A _____ object is any defined object in a database that is used to store or reference data.

a) database b) asp c) prototype d) connection

9. The ___ method is used to store data that is in object format to the clipboard.

a) GetDataObject b) SetDataObject c) SelectedText d) clear

Section B

[Answer ALL the following] **3X7=21**

10. a. Write a short note on MDI forms. [OR]

b. Discuss on connecting multiple events with a single event handler.

11. a.Explain Printdialog and Print Preview tool . [OR]

b. Discuss on Data Form Wizard with example.

12. a. List the steps involved in showing data in Grid. [OR]

b. Explain the concepts related to dealing with large database.

Section C

[Answer ANY TWO of the following] **2X10=20**

13. Explain reading and writing to a file with its methods.

14. Write a short note on Graphics in C#.

15. Explain the steps for creating a report in C#.

Reg.No : | | | | | | | | |

G.T.N.ARTS COLLEGE (Autonomous)

(Affiliated to Madurai Kamaraj University)

(Accredited by NAAC with 'B' Grade)

ODD SEMESTER [2020-21]

INTERNAL ASSESSMENT TEST – II

Programme : **III BCA (A&B)** **Date: 20.11.2020**

Course Code : **17UCAC52** **Time: 10 to 12 PM**

Course Title : **PHP and JAVA SCRIPT** **Max Marks: 50**

Section A

[Answer ALL the Questions] **9X1=9**

1. ____ statement is alternative of Else If statement.

a) Switch b) While c) Break d) For

2. ____ function is used to uppercase the first character of every word in a string in PHP.

a) ucfirst() b) strstr() c) ucword() d) All of the above

3. ____ function is used to rounds up a number in PHP.

a) floor() b) rand() c) abs() d) ceil()

4. _____ is used to skip the loop iteration.

a) Break b) Continue c) switch d) if

5. Which is the PHP line break function in string?

a) nlzbr() b) br() c) break() d) all

6. DOM stands for

a) Document Object Model b) Document Observe Model

c) Defining Object Model d) Document Object Module

7. _____ object is used to provide browser history information.

a) Window b) History c) Navigator d) DOM

8. A _____ function can be used to create reusable code for objects.

a) Constructor b) break c) prototype d) all

9. The ___ loop allows you to cycle through the properties of an object.

a) for b) For each c) while d) with

Section B

[Answer ALL the following] **3X7=21**

10. a. Compare the PHP while and do while loop with example. [OR]

b. Write PHP script using String functions.

11. a. Explain the Numeric functions usage in PHP. [OR]

b. Discuss the concept of Arrays in PHP.

12. a. List the Document Object Properties and its uses in Java Script. [OR]

b. Explain the navigator object properties and methods in Java Script.

Section C

[Answer ANY TWO of the following] **2X10=20**

13. Give the syntax and examples of PHP conditional statements in detail.

14. List any ten Array Functions in PHP and explain it.

15. Write steps for creating Computer Object with Java Script program.

Reg.No : | | | | | | | | |

G.T.N.ARTS COLLEGE (Autonomous)

(Affiliated to Madurai Kamaraj University)

(Accredited by NAAC with 'B' Grade)

ODD SEMESTER [2020-21]

INTERNAL ASSESSMENT TEST – II

Programme : III BCA (A&B) **Date: 19.11.2020**
Course Code : 17UCAE52 **Time: 10 to 12pm**
Course Title : Digital Image Processing **Max Marks: 50**

Section A

[Answer ALL the Questions] **6X1=6**

1. Which of the following in an image can be removed by using smoothing filter?
   a) Smooth transitions of gray levels b) Smooth transitions of brightness levels
   c) Sharp transitions of gray levels d) Sharp transitions of brightness levels
2. Which of the following is the disadvantage of using smoothing filter?
   a) Blur edges b) Blur inner pixels c) Remove sharp transitions d) Sharp edges
3. Which of the following shows three basic types of functions used frequently for image enhancement?
   a) Linear, logarithmic and inverse law b) Power law, logarithmic and inverse law
   c) Linear, logarithmic and power law d) Linear, exponential and inverse law
4. Which of the following expression is used to denote spatial domain process?
   a) g(x,y)=T[f(x,y)] b) f(x+y)=T[g(x+y)] c) g(xy)=T[f(xy)] d) g(x-y)=T[f(x-y)]
5. Which expression is obtained by performing the negative transformation on the negative of an image with gray levels in the range[0,L-1] ?
   a) s=L+1-r b) s=L+1+r c) s=L-1-r d) s=L-1+r
6. What is the general form of representation of power transformation?
   a) $s=cr^{\gamma}$ b) $c=sr^{\gamma}$ c) s=rc d) $s=rc^{\gamma}$
7. Gaussian Noise is referred to as
   a) White noise b) black noise c) red noise d) normal noise
8. PDF in image processing is called
   a) probability degraded function b)probability density function
   c) probabilistic degraded function d) probabilistic density function
9. impulse noise is referred as
   a) Uniform noise b) Exponential noise c) salt and pepper noise
   d) Rayleigh noise

Section B

[Answer ALL the following] **3X7=21**

10. a)What are the analysis of enhancement in spatial Domain? (OR)
    b) Describe about Piece-wise Linear Transformation.
11. a) Explain about Histogram Processing.(OR)
    b) What are the Basic Transformations available in image enhancement process?
12. a)What is Image degradation/restoration process? Explain with neat diagram.(OR)
    b) What are the categories of color image processing?

Section C

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

9. **Explain in detail about basic grey level transformation.**
10. Explain in detail about histogram equalization.
11. Discuss about Noise Models and its types.

Reg.No : | | | | | | | | |

G.T.N.ARTS COLLEGE (Autonomous)

(Affiliated to Madurai Kamaraj University)

(Accredited by NAAC with 'B' Grade)

ODD SEMESTER [2020-21]

INTERNAL ASSESSMENT TEST – II

Programme : III BCA (A&B) **Date: 19.11.2020**
Course Code : 17UCAE52 **Time: 10 to 12pm**
Course Title : Digital Image Processing **Max Marks: 50**

Section A

[Answer ALL the Questions] **6X1=6**

1. Which of the following in an image can be removed by using smoothing filter?
   a) Smooth transitions of gray levels b) Smooth transitions of brightness levels
   c) Sharp transitions of gray levels d) Sharp transitions of brightness levels
2. Which of the following is the disadvantage of using smoothing filter?
   a) Blur edges b) Blur inner pixels c) Remove sharp transitions d) Sharp edges
3. Which of the following shows three basic types of functions used frequently for image enhancement?
   a) Linear, logarithmic and inverse law b) Power law, logarithmic and inverse law
   c) Linear, logarithmic and power law d) Linear, exponential and inverse law
4. Which of the following expression is used to denote spatial domain process?
   a) g(x,y)=T[f(x,y)] b) f(x+y)=T[g(x+y)] c) g(xy)=T[f(xy)] d) g(x-y)=T[f(x-y)]
5. Which expression is obtained by performing the negative transformation on the negative of an image with gray levels in the range[0,L-1] ?
   a) s=L+1-r b) s=L+1+r c) s=L-1-r d) s=L-1+r
6. What is the general form of representation of power transformation?
   a) $s=cr^{\gamma}$ b) $c=sr^{\gamma}$ c) s=rc d) $s=rc^{\gamma}$
7. Gaussian Noise is referred to as
   a) White noise b) black noise c) red noise d) normal noise
8. PDF in image processing is called
   a) probability degraded function b)probability density function
   c) probabilistic degraded function d) probabilistic density function
9. impulse noise is referred as
   a) Uniform noise b) Exponential noise c) salt and pepper noise
   d) Rayleigh noise

Section B

[Answer ALL the following] **3X7=21**

10. a)What are the analysis of enhancement in spatial Domain? (OR)
    b) Describe about Piece-wise Linear Transformation.
11. a) Explain about Histogram Processing.(OR)
    b) What are the Basic Transformations available in image enhancement process?
12. a)What is Image degradation/restoration process? Explain with neat diagram.(OR)
    b) What are the categories of color image processing?

Section C

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

9. **Explain in detail about basic grey level transformation.**
10. Explain in detail about histogram equalization.
11. Discuss about Noise Models and its types.

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

Odd Semester (2020 – 2021)

OBE Regulation – 2020

Continuous Internal Assessment Test – I

Programme: BCA | Semester: I

Class: I BCA | Date: 20/11/2020

Course Title: Computer Fundamentals and Programming with C | Time: 10 am to 12 pm

Course Code: **20UCAC11** | Max. Marks: 45

Course Outcomes (COs):

CO1	Define the basic organization of computer.
CO2	Demonstrate programs involving Decision structures and Control statements
CO3	Apply the concepts of Arrays to write C programs

Qn. No.	Section – A Answer ALL the Questions (6 x 1 = 6)	CO(s)	K – Level
1	_____ generation of computer started with using vacuum tubes as the basic components. a) 1st b) 2nd c) 3rd d) 4th	CO1	K1
2	Which one of the following is not an input device? a)Bar codes b) video capture c) plotter d)smart cards	CO1	K1
3	C variable can start with ---------- a)Number b)Underscore c) Asterisk(*) d) plus sign (+)	CO2	K2
4	Which one of the following loop that executes at least only once? a) For b) While c)do..while d)If	CO2	K2
5	What is the right way to initialize array? a)int num[6]=(1,2,3,4,5,6}; b) int n{}={1,2,3,4,5,6}; c) int num{6}={1,2,3}; d) int n(6)={1,2,3,4,5,6}:	CO3	K3

6	What will be the output of the program?
	#include<Stdio.h>
	void main{
	int arr[1]=[10];
	printf("%d",arr[0]);
	}
	a)1 b) 0 c) 10 d) none of these
		CO3	K3

Qn. No.		Section – B Answer ALL the Questions (5 x 3 = 15)	CO(s)	K – Level
7	A	Define the types of RAM.	CO1	K1
		OR		
	B	write about the types of ROM.	CO1	K1
8	A	Reproduce the following decimal no to binary a)850 b)101010101010	CO1	K1
		OR		
	B	List the symbols of flowchart.	CO1	K1
9	A	State the structure of C Program	CO2	K2
		OR		
	B	Discuss about input statements with example program	CO2	K2
10	A	Describe the syntax of while loop with example.	CO2	K2
		OR		
	B	Describe the syntax of do loop with example.	CO2	K2
11	A	State the syntax of one dimensional array.	CO3	K3
		OR		
	B	State the syntax of two dimensional array.	CO3	K3

Qn. No.		Section – C Answer ALL the Questions (3 x 8 = 24)	CO(s)	K – Level
12	A	Describe the classification of computer	CO1	K1
		OR		
	B	Reproduce the following numbers. a) 5678_{10} to octal and hexadecimal number b) 32578_{10} to octal and hexadecimal number c) 111000101010_2 to octal and hexadecimal number d) 1100110011001100_2 to decimal number	CO1	K1
13	A	Demonstrate the types of if statements with example	CO2	K2
		OR		
	B	Describe about input and output statements with example program.	CO2	K2
14	A	Write a program to sort a given number in ascending order	CO3	K3
		OR		
	B	Write a program to add the given two matrix.	CO3	K3

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

Odd Semester (2020 – 2021)

OBE Regulation – 2020

Continuous Internal Assessment Test – I

Programme: BCA | Semester: I

Class: I-BCA – A, B | Date: 24.11.20

Course Title: Value Education | Time: 10 – 12 AM

Course Code: 20UVEV11 | Max. Marks: 45

Course Outcomes (COs):

CO1	Trace their personality and social values based on the principles of human values
CO2	Relate a sense of Love, Peace and Brotherhood at the local, national and international level
CO3	Identify the social realities and inculcate essential value system towards building a healthy society

Qn. No.	Section – A Answer ALL the Questions (6 x 1 = 6)	CO(s)	K – Level
1	____ is a process of initiating the learner to good life. a)Personality b) Principles c)Education d)Values	CO1	K1
2	_____ is about doing things without have to be told. a)Self initiative b)Self discipline c)Empathy d)Honesty	CO1	K1
3	Good _____ makes us god in heaven. a)Yoga b)Karma c)Ahimsa d)Compassion	CO2	K1
4	_____ means without violence. a)Karma b)Education c)Empathy d)Ahimsa	CO2	K1
5	_____ is of the people, by the people and for the people a)Socialism b)Politics c)Democracy d)Justice	CO3	K1
6	_____ is an interactive process whereby members of a community are concerned for the equality and rights of all. a)Social justice b)Karma c)Politics d)Society	CO3	K1

Qn. No.		Section – B Answer ALL the Questions (5 x 3 = 15)	CO(s)	K – Level
7	A	Define Values?	CO1	K1
		OR		
	B	State the significance of values?	CO1	K1
8	A	List out the needs of value education.	CO1	K1
		OR		
	B	Relate an individual with his values.	CO1	K1
9	A	Illustrate the need for religious harmony.	CO2	K2
		OR		
	B	Compare love and justice in christianity.	CO2	K2
10	A	Explain in detail about karma yoga in Hinduism.	CO2	K2
		OR		
	B	Discuss in detail about universal brotherhood in islam.	CO2	K2
11	A	Illustrate the use of socialism.	CO3	K2
		OR		
	B	Explain in detail about Social justice.	CO3	K2

Qn. No.		Section – C Answer ALL the Questions (3 x 8 = 24)	CO(s)	K – Level
12	A	State the importance of self discipline and self confidence?	CO1	K1
		OR		
	B	List out the benefits of honesty and courage.	CO1	K1
13	A	Explain in detail about ahimsa in jainism.	CO2	K2
		OR		
	B	Demonstrate the role of selfless service in sikhism.	CO2	K2
14	A	Illustrate the importance of democracy.	CO3	K2
		OR		
	B	Represent in detail about human rights.	CO3	K2