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

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **III IT** Date :23 .10.19
Course Code : **17CINF51** Time : 12-1 pm
Course Title : **OPEN SOURCE PROGRAMMING** Max Marks : **25**

Section A [3 x 2 = 6]

[Answer **ALL** the questions]

1.Write structure of HTML?
2.Wrte Any 3 String Function in javascript?
3.Wrte basic concepts of CSS?

Section B [2 x 5 = 10]

[Answer **ALL** the questions]

4. a) Explain Basic concepts of CSS?[Or]
   b) Write short notes on Formattng html documents with example?
5. a) Discuss Basic data types of Java script? [Or]
   b) Explain My Sql function in PHP?

Section C [1 x 9 = 9]

[Answer **ANY ONE** question]

6. Explain HTML table tag with example?
7. Discuss about Looping statement in PHP?

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

G.T.N.ARTS COLLEGE (Autonomous)
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ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **III IT** Date :23 .10.19
Course Code : **17CINF51** Time : 12-1 pm
Course Title : **OPEN SOURCE PROGRAMMING** Max Marks : **25**

Section A [3 x 2 = 6]

[Answer **ALL** the questions]

1.Write structure of HTML?
2.Wrte Any 3 String Function in javascript?
3.Wrte basic concepts of CSS?

Section B [2 x 5 = 10]

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4. a) Explain Basic concepts of CSS?[Or]
   b) Write short notes on Formattng html documents with example?
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   b) Explain My Sql function in PHP?

Section C [1 x 9 = 9]

[Answer **ANY ONE** question]

6. Explain HTML table tag with example?
7. Discuss about Looping statement in PHP?

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

G.T.N.ARTS COLLEGE (Autonomous)
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ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **II IT** Date : 23.10.19
Course Code : **17UITA31** Time : 10.30-11.30 am
Course Title : **DIGITAL PRINCIPLES AND CO** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** questions]

1. The Indirect address bit mode is specified using I =_____.
   a) 0 b) 2
   c) 1 d) 3
2. INR control input is used as a_____
   a) INPUT b) INCREMENT
   c) INPUT REGISTER d) INPUT LOAD
3. DR and AC registers are combined to work on _____ Micro operations.
   a) ALU b) Control
   c) Memory d) Cache
4. A control unit whose binary control variables are stored in memory is called a _____
   a) Micro programmed Control Unit b) Arithmetic Operation Unit
   c) Memory unit d) Input control Unit
5. The control data register that holds present microinstruction while next address is computed and read from memory is called_____.
   a) Data register b) Accumulator
   c) Pipeline Register d) Output register
6. The clock pulses do not change the state of a register unless the register is enabled by a ___
   a) control signal b) Micro control
   c) pulser d) register functional

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Describes detailed about Instruction Cycle. [OR]
   b) Discuss about Common Bus System.
8. a) Discuss about Symbolic Microprogram. [OR]
   b) Explain about the different Registers in detail.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain about Stack Organisation?
10. Explain Addressing Modes in Detail?

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

G.T.N.ARTS COLLEGE (Autonomous)
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ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **II IT** Date : 23.10.19
Course Code : **17UITA31** Time : 10.30-11.30 am
Course Title : **DIGITAL PRINCIPLES AND CO** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** questions]

1. The Indirect address bit mode is specified using I =_____.
   a) 0 b) 2
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2. INR control input is used as a_____
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Section B [2 x 7 = 14]

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Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain about Stack Organisation?
10. Explain Addressing Modes in Detail?

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

G.T.N.ARTS COLLEGE (Autonomous)
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ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **I IT (A&B)** Date :22. 10.19
Course Code : **17UITC11** Time : 9-10 am
Course Title :FUNDAMENTALS OF IT AND HTML Max Marks : **30**

Section A [6 x 1 = 6]

[the Answer **ALL** questions]

3. which of the following tag is used to mark a beginning of paragraph ?

a) <TD> b)
c) <P> d) <TR>

4. Web pages starts with which of the following tag?

a) <body> b) <title>
c)<html> d) <form>

3. Correct HTML to left align the content inside a table cell is

a)<tdleft> b)<td raligh ="left">
c) <td align ="left"> d) <td leftalign>

4. WAN stands for

a)wide area network b) world area network
c) web area network d) worldwide network

5. The different locations in a network are called _____

a) points b) nodes
c) module d) router

6. _____ are used to access pages of the world wide web

a)Web browser b) internet
c) HTTP d) computer

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7.a) Describe network topology with neat diagram. [OR]
b) Discuss world wide web.

8.a) Write short notes on ordered list and unordered list in HTML. [OR]
b) Explain HTML frames.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. List HTML forms and explain in detail.
10. Explain types of network.

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

G.T.N.ARTS COLLEGE (Autonomous)
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ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **I IT (A&B)** Date :22. 10.19
Course Code : **17UITC11** Time : 9-10 am
Course Title :FUNDAMENTALS OF IT AND HTML Max Marks : **30**

Section A [6 x 1 = 6]

[the Answer **ALL** questions]

1. Which of the following tag is used to mark a beginning of paragraph ?

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Section B [2 x 7 = 14]

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G.T.N.ARTS COLLEGE (Autonomous)
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ODD SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST – II

Class : **II IT** Date: 21.10.19
Paper Code : **17UITC31** Time: 12-1 PM
Title of the Paper :**OBJECT ORIENTED PROGRAMMING USING C++** Max Marks: **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. Constructors should be declared in _____section.
   a)Private b)Public c)Protected d)Main
2. Which Operator can not be used for operator overloading.
   a):: b)>> c)&& d)!=
3._____ function which enables an object to initialize itself, when it is created
   a)Virtual b)Constructor c)Friend d)Operator
4.We use _____ function, to automatic type conversion for the user defined datatypes.
   a) a)Virtual b)Constructor c)Friend d)Operator
5.Inheritance provides the concept of _____
   a) Reusability b)Portability c)Reliability d)Abstraction
6.When the properties of one class are inherited by more than one class is called_____
   a)Multilevel b)Multiple c)Hierarchical d)hybrid

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Write short notes on operator function with example?[Or]
   b) List out the rules for operator overloading.
8. a) Write a program to implement Multilevel inheritance [Or]
   b) What is virtual base class ?Explain with example.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain indetail about Constructors in c++ with example.
10. Why do we need virtual function? Write down the rules for virtual function.

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

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ODD SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST – II

Class : **II IT** Date: 21.10.19
Paper Code : **17UITC31** Time: 12-1 PM
Title of the Paper :**OBJECT ORIENTED PROGRAMMING USING C++** Max Marks: **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. Constructors should be declared in _____section.
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Section B [2 x 7 = 14]

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7. a) Write short notes on operator function with example?[Or]
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Section C [1 x 10 = 10]

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

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ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **II IT** Date :22 .10.19
Course Code : **17UITC32** Time : 12-1pm
Course Title : **DATA STRUCTURE** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** questions]

5. A _____ is formally defines as a collection of nodes
   a) stack b) tree
   c) queue d) priority queue
6. A binary tree is a finite ordered collection of elements in which one element is designated as root and remaining elements are partitioned into _____disjoint sets
   a) three b)four
   c)two d) one
3. Depth of the tree is calculated using the _____level of any leaf in the tree.
   a) Maximum b) Minimum
   c) Interior d) lowest
4. _____ is the elements in the left subtree are less than the element in the root and the Elements in the right subtree are greater than in root element.
   a) Expression tree b) Binary Search Tree
   c) Binary tree d) Tree
5. _____ is the process of arranging records in order of their keys.
   a) Searching b) Sorting
   c) hashing d) Deleting
6. A data value is placed in its correct position using bubbles during sorting is____
   a) heap sort b) Radix sort
   c) bubble sort d) Merge sort

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7.a) Describe Bubble sort with an example [OR]
b) Explain BST and plot the BST tree for the following example:55,34,76,38,24,67,47,89
8.a) Explain tree traversal in detail with an example. [OR]
b) Explain about the insertion sort in detail.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain Merge sort with an example?
10. Explain types of Binary tree with an example?

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

G.T.N.ARTS COLLEGE (Autonomous)
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ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **II IT** Date :22 .10.19
Course Code : **17UITC32** Time : 12-1pm
Course Title : **DATA STRUCTURE** Max Marks : **30**

Section A [6 x 1 = 6]

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G.T.N.ARTS COLLEGE (Autonomous)
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ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **III IT** Date :19 .10.19
Course Code : **17UITC51** Time : 12.00-1.00 pm
Course Title : **DATA COMMUNICATIONS AND COMPUTER NETWORKS** Max Marks : **30**

Section A [6 x 1 = 6]

[the Answer **ALL** questions]

7. Integrated Services Digital Network was developed by _____.
   a) ITU-S b) ITU-T
   c) PRI d) TA
8. _____ packets are used for more efficient and flexible data transfers.
   a) Variable length b) fixed length
   c) Multiplexing d) x.25
3. Peer-to-peer mode is also known as _____ mode.
   a) point b) transparent
   c) ad hoc d) monitor
4. _____ means that all interconnection information is generated and maintained at a single central location.
   a) adaptive routing b) Centralized routing
   c) Static Routing d) Distributed routing
5. Packets in the IP layer are called _____.
   a) units b) segments
   c) bytes d) datagrams
6. The transport layer in TCP/IP always operates with the ____.
   a) IP b) FTP
   c) HTTP d) ICMP

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7.a) What is ATM and what are its services? [OR]
b) Discuss wireless LAN architecture.
8.a) Discuss Centralized routing and distributed routing. [OR]
b) Explain transmission control protocol.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain about WAP Services?
10. Define datagram and give a brief description of each of its fields?

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

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ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **III IT** Date :19 .10.19
Course Code : **17UITC51** Time : 12.00-1.00 pm
Course : **DATA COMMUNICATIONS AND COMPUTER NETWORKS** Max Marks : **30**

Section A [6 x 1 = 6]

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1. Integrated Services Digital Network was developed by _____.
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Section B [2 x 7 = 14]

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Section C [1 x 10 = 10]

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

G.T.N.ARTS COLLEGE (Autonomous)
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ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **III IT** Date : 21.10.19
Course Code : **17UITC52** Time : 10.30-11.30 am
Course Title : **SOFTWARE ENGINEERING** Max Marks : **30**

Section A [6 x 1 = 6]

[the Answer **ALL** questions]

9. The _____ can be used to specify the syntactic structure of symbol strings.
   a) Recurrence Relation b) Regular Expressions
   c) Modularity d) Algebraic Axioms

10. _____ specify actions to be taken when events occur under different sets of conditions.
   a) Decision Table b) Event Table
   c) Petri nets d) Transition Table

3. The _____ reports present information collected from several relationships.
   a) Summary b) Database Modification
   c) Analysis d) Name List

4. _____ is intellectual tool that allows us to deal with concepts apart from particular instances of some concepts.
   a) Information hiding b) Encapsulation
   c) Abstraction d) Modularity

5. _____ coupling involves the use of parameter lists to pass data items between routines.
   a) Control b) Stamp
   c) Common d) Data

6. ___test cases specify typical operating conditions, typical input values, and expected results.
   a) Stress b) Performance
   c) Structural d) Functional

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7.a) Describes detailed about PSL/PSA. [OR]
b) Discuss about structured analysis and design techniques.

8.a) Discuss any three fundamental design concepts. [OR]
b) Explain integrated top down development.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain about state oriented notations?
10. Explain modules and modularization criteria?

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

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **III IT** Date :21 .10.19
Course Code : **17UITC52** Time : 10.30-11.30 am
Course Title : **SOFTWARE ENGINEERING** Max Marks : **30**

Section A [6 x 1 = 6]

[the Answer **ALL** questions]

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

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
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ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **III IT** Date :21 .10.19
Course Code : **17UITC53** Time : 12-1 pm
Course Title : **JAVA PROGRAMMING** Max Marks : **30**

Section A [6 x 1 = 6]

[the Answer **ALL** questions]

1. _____ is an abstract class which encapsulates all of the attributes of a visual component.
   a) Component b) applet
   c) stream d) Event
2. _____ object has a number of simple drawing functions.
   a) Line b) Graphics
   c) fillArc d) Oval
3. _____is a component that can be used to invoke some action when the user Presses and releases it.
   a) Label b) Button
   c) Checkbox d) List
4. _____returns the input pointer to the previously set mark.
   a) close() b)reset()
   c) skip() d)read()
5. _____tag is used to start an applet from the both an html document and from the JDK appletviewer.
   a) <applet> b) <param>
   c) <body> d) <html>
6. A_____is what is commonly thought of as a window on the desktop.
   a) File c) Exception
   b) Frame d) I/O stream

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Explain check box and check box group wth example?[Or]
   b) Write short notes on Menu components with example?
8. a) Discuss Order of Applet Intializaton? [Or]
   b) Explain File stream with example?

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain about Mouse event with example?
10. Discuss about HTML Applet tags with example?

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

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – II

Programme : **III IT** Date :21 .10.19
Course Code : **17UITC53** Time : 12-1 pm
Course Title : **JAVA PROGRAMMING** Max Marks : **30**

Section A [6 x 1 = 6]

[the Answer **ALL** questions]

1. _____ is an abstract class which encapsulates all of the attributes of a visual component.
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Section C [1 x 10 = 10]

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

G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2019-2020]
INTERNAL ASSESSMENT TEST – II

Class : **III IT** Date : 23.10.19
Paper Code : **17UITE52** Time :10.30-11.30pm
Title of the Paper :**Cryptography and Network Security** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1.When there are N systems,_____ keys are needed for Symmetric key cryptography
a)2N b)3N c)N(N-1)/2 d)N(2N-1)/2

2._____ states that if p is prime number an a is positive integer not divisible by p then $a^{p-1}=1 \bmod p$.
a)fermat's theorem b)euler's theorem c)euclid's d)modular theorem

3.Which of them are required for Authentication?
a)Masquerade b)Modification c)Repudiation d)all

4._____ should be computationally infeasible to find any pair(x,y) such that H(x)=H(y).
a)One way property b) Weak collision c)Strong Collision d)dynamic

5. Security of hash function, the attack can be categories as____
a)Brute force b)crypt analysis c)both a&b d)birthday attack

6.In MD5, hash code must be ____bits
a)216 b)128 c)512 d)448.

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7.a) Explain in details about Diffie Hellman key exchange algorithm [Or]
b)Write the difference between public key and symmetric key cryptography

8. a) Explain the basic theorems available in number theory [OR]
b)Explain the RSA algorithm with example.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9.Discuss indetail about Block ciper mode of operation.

10. What is Message Authentication Codes? Explain with MD5 algorithm.

Reg. No:

G.T.N.ARTS COLLEGE (Autonomous)
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ODD SEMESTER [2019-2020]
INTERNAL ASSESSMENT TEST – II

Class : III IT Date : 23.10.19
Paper Code : 17UITE52 Time :10.30-11.30pm
Title of the Paper :Cryptography and Network Security Max Marks : 30

Section A [6 x 1 = 6]

[Answer ALL the questions]

1.When there are N systems,_____ keys are needed for Symmetric key cryptography
a)2N b)3N c)N(N-1)/2 d)N(2N-1)/2

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Section B [2 x 7 = 14]

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ODD SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST – I

Program : **I B.Sc(IT) A&B** Date :
Course Code : **17UBAN11** Time :
Course Title : **Basics of Retail Marketing** Max Marks :**30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. The Word "Retail" is derived from _____ language.
   (a) French (b) Italian
   (c) German (d) Latin
2. Retailers provide _____.
   (a) Place of Utility (b) Time Utility
   (c) Possesion Utility (d) All of the above
3. Retailers are _____.
   (a) Advicers (b) Assemblers
   (c) Middleman (d) None of the above
4. The word Market is derived from _____.
   (a) Latin (b) Greek
   (c) German (d) American
5. Which of the following is not included in the list of macro environment variables _____?
   (a) Prevailing Economic conditions and Political Manifestors
   (b) Changes in legislation and emerging new technologies
   (c) Financial conditions and culture
   (d) None of the above
6. The Store format which is more spacious _____.
   (a) Super Market (b) Compact Super Market
   (c) Metro Store (d) Express Store

Section B [2 x 7 = 14]

[Answer **ALL** the questions].

7. (a) Write about the difference between Retailers and Wholesaler? **[OR]**
   (b) What are the functions of Retailing?

8. (a) Explain the Classification of Retailers by Philip Kolter. **[OR]**
   (b) Write shortly 1. Demographic environment 2. Technologicalenvironment.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain briefly the Types of Retailers.
10. What is Retail Environment? Explain the Classification of Retail Environment.

*****

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ODD SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST – I

Program : **I B.Sc(IT) A&B** Date :
Course Code : **17UBAN11** Time :
Course Title : **Basics of Retail Marketing** Max Marks :**30**

Section A [6 x 1 = 6]

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EVEN SEMESTER [2018-19]
I NTERNAL ASSESSMENT TEST – I

Class : **II IT A&B** Date :20.08.2019
Paper Code :17UITA31 Time : 10.30-11.30am
Title of the Paper : **Digital Principles and CO** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1.A gate whose output is H if any input is H is _____
a.OR b. AND c.NAND d.NOT
2. A gate whose output is H only when all inputs are H is _____
a.OR b. AND c.NAND d.NOT
3.On a K-Map, an Octet contains how many 1's_____
a.8 b. 4 c.6 d.2
4.Same input conditions never occur in normal operations which is called____
a. Comparator b. Multiplexer c. Don't Care Condition
d. Demultiplexer
5.A 16-to-1 Multiplexer having _____ control Inputs
a.8 b. 4 c.6 d.2
6. Demultiplexer means one input into ____ outputs
a. only one b.two c.many d.four

Section B

Answer the following: (7 x2 =14)

7. a) Explain about the Universal Logic Gates with truth table and logic Circuits

(OR)

b) Explain the Don't Care Condition with an Example.

8. a) Explain the Sum of Products method with an Example

(OR)

b) Explain the Encoder in detail an Example.

Section C

Answer any one: (10x1=10)

9. a)Convert Hexadecimal to Decimal : i)9AF ii)E8D6
b)Convert Octal to Hexadecimal : i) 2576 ii)231
10. Explain in detail the 16-to-1 Multiplexer with a pin diagram.

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

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(Accredited by NAAC with 'B' Grade)
EVEN SEMESTER [2018-19]
I NTERNAL ASSESSMENT TEST – I

Class : **II IT A&B** Date :20.08.2019
Paper Code : 17UITA31 Time : 10.30-11.30am
Title of the Paper : **Digital Principles and CO** Max Marks : **30**

Section A [6 x 1 = 6]

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ODD SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST – I

Programme : **I IT (A&B)** Date: 19.08.2019
Course Code : **17UITC11** Time: 09– 10 AM
Course Title : **Fundamentals of IT & HTML** Max Marks: **30**

Section A [6 x 1 = 6]

[The Answer **ALL** questions]

1. A Set of pre-recorded instructions executed by a computer is called_____ .
   a) Action b) hardware
   c) Program d) method
2. A group of 8 bit is called a _____.
   a) Mega byte b) byte
   c) Kilo byte d) Giga byte
3. DDP stands for _____ .
   a) Direct Database Processing b) Direct Data Processing
   c) Distributed Database Processing d) Distributed Data Processing
4. Each Instruction in the instruction set is expressed in _____ .
   a) Microcode b) minicode
   c) BCDcode d) PIN code
5. Magnetic tape is an example for _____ media.
   a) Irregular b) regular
   c) Sequential d) random
6. The input device used mostly for computer game is the _____ .
   a) Keyboard b) light pen
   c) Scanner d) joystick

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a)Explain the Characteristics of Computer? [OR]
   b) Explain the Working of ALU?
8. a)Explain Read Only Memory (ROM) ? [OR]
   b) Explain any five input devices?

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Describe the Classification of Computer?
10. Explain about Secondary Storage Devices?

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(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST – I

Programme : **I IT (A&B)** Date: 19.08.2019
Course Code : **17UITC11** Time: 09– 10 AM
Course Title : **Fundamentals of IT & HTML** Max Marks: **30**

Section A [6 x 1 = 6]

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1. A Set of prerecorded instructions executed by a computer is called_____ .
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ODD SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST – I

Class : **II IT** Date: 21.08.19
Paper Code : **17UITC31** Time: 12-1 PM
Title of the Paper :**OBJECT ORIENTED PROGRAMMING USING C++** Max Marks: **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. A_____ variable provides an alternative name for a previously defined variable.
   a) Reference Variable b) Static Variable
   c) Class Variable d) Structure Variable
2. _____ gives the compiler the details about the functions
   a) Function Call b)Function Definition
   c)Function Prototype d) Function Overload
3. _____is expanded in line when it is invoked.
   a) Inline b)Friend
   c) Virtual d) Static
4. By default, the members of a class are_____
   a)Private b)Public
   c) Protected d) Const
5. A data member of a class can be declared as a _____ and is normally used to maintain values common to the entire class.
   a) Dynamic b) Const
   c) Friend d)Static
6. _____function has to access to the private data of these classes.
   a)Recursive Function b)Friend Function
   c) Static function d) Inline Function

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Write short notes on reference variable with example?[Or]
   b) Explain in detail about Control statements in c++?
8. a) Describe about Inline Function with example program. [Or]
   b) What is friend function? What are the merits and demerits of using friend function.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. What is object oriented Programming ? Explain them.
10. How do you specify the class and its object with example program?

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ODD SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST – I

Class : **II IT** Date: 21.08.19
Paper Code : **17UITC31** Time: 12-1 PM
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ODD SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST – I

Class : **II IT** Date: 19.08.19
Paper Code : **17UITC32** Time: 12-1 PM
Title of the Paper :**DATA STRUCTURES** Max Marks: **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. _____ refers to the domain of values
   aData type b) stack
   c)Queue d) Linked list
2_____is a physical representation of an ADT
   a) Datastructure b)set
   c)Network d) stack
3. _____allocation of memory refers to the allocation of memory during compilation
   a)Static b)Dynamic
   c) Array d) Linked list
4. Primitive operations like _____ on one end of the stack
   a)Front and rear b)Push and Pop
   c) Stack and Queue d) Stack and Linked List
5.Queue refers to which are accessed in _____ order
   a) LIFO b) FIFO
   c) LILO d)FILO
6. _____ Queue which allows of insertion and deletion at both ends
   a) Circular c) Linear
   b) Dequeue d) Sequence

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

8. a) Write short notes on data structures with example?[Or]
   b) Explain in detail about single linked list with example?
8. a) Explain array implementation of stack with algorithm? [Or]
   b) Explain circular queue with algorithm?

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Describe briefly about doubly linked list with neat diagram?
10. Explain any 4 Applications of stack with example ?

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ODD SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST – I

Class : **II IT** Date: 19.08.19
Paper Code : **17UITC32** Time: 12-1 PM
Title of the Paper : **DATA STRUCTURES** Max Marks: **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

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Section B [2 x 7 = 14]

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Section C [1 x 10 = 10]

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ODD SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST – I

Class : **III IT** Date: 16.08.19
Paper Code : **17UITC51** Time: 12-1 PM
Title of the Paper : **DATA COMMUNICATION AND COMPUTER NETWORKS** Max Marks: **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. _____ is used to send files from one system to another under user command

   a) FTP b) SMTP
   c)TELNET d) HTTP
2. _____ is equivalent to picoseconds.
   a) 1s b) 10^{-3}s
   c) 10^{-9}s d) 10^{-12}s
3. Optical fiber uses _____ to transmit information.
   a) Voice b) light
   c) Analog d) digital
4. The Expansion of CRC is_____
   a)Cyclic Redundancy Check b) Cyclic Repeat check
   c) Cyclic Read check d) Cyclic Rotate check
5. Serial transmission means that a group of bits is transmitted _____
   a) Group b) parallel
   c) Block d) one by one
6. The error detection method used by the higher layer protocol is called ____
   a) Checksum c) LRC
   b) VRC d) parity bit

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

9. a) Discuss OSI model? [Or]
   b) Describe Transmission media?
8. a) Discuss Longitudinal Redundancy Check(LRC) ? [Or]
   b) Describe the function of Network Interface Card?

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain about Error Correction Method?
10. Discuss about Modulation and Demodulation.

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

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(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST – I

Class : **III IT** Date: 16.08.19
Paper Code : **17UITC51** Time: 12-1 PM
Title of the Paper : **DATA COMMUNICATION AND COMPUTER NETWORKS** Max Marks: **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. _____ is used to send files from one system to another under user command.
   a) FTP b) SMTP
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Section C [1 x 10 = 10]

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G.T.N.ARTS COLLEGE (Autonomous)
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ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – I

Programme : **III IT** Date : 17.08.19
Course Code : **17UITC52** Time : 10.30-11.30 am
Course Title : **SOFTWARE ENGINEERING** Max Marks : **30**

Section A [6 x 1 = 6]

[the Answer **ALL** questions]

4. The ability of a program to perform a required function under stated conditions for a stated period of time.
   a) Scalability b) Reliability
   c) Clarity d) Correctness
5. A _____ process goal is system should be delivered within 12 months.
   a) Qualitative b) Product
   c) Clearness d) Quantitative
3. The _____ task develops user's manuals, installation instructions, principles of operation and other supporting documents.
   a) Service b) Planning
   c) Assurance d) Publication
4. The _____ cost estimation first estimates the cost to develop each module subsystem.
   a)Top Down b) Bottom Up
   c) Left to Right d) Right to Left
5. COCOMO Stands for _____.
   a) Constructive Cost Model b) Constructive Continue Model
   c) Cost Constructive Model d) Continue Constructive Model
6. $ACT=(DSI_{Added}+$_____$)/DSI_{Total}$.
   a) $DSI_{Modified}$ b) DSI_{Source}
   c) $DSI_{Enchance}$ d) DSI_{Adapt}

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7.a) Describes detailed about phased life cycle model. [OR]
b) Discuss various project size categories.
8.a) List out steps of Delphi cost estimation technique. [OR]
b) Explain estimating software maintenance costs.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Discuss any five quality and productivity factors?
10. Explain various software cost factors?

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

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(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2019]
INTERNAL ASSESSMENT TEST – I

Programme : **III IT** Date : 17.08.19
Course Code : **17UITC52** Time : 10.30-11.30 am
Course Title : **SOFTWARE ENGINEERING** Max Marks : **30**

Section A [6 x 1 = 6]

[the Answer **ALL** questions]

6. The ability of a program to perform a required function under stated conditions for a stated period of time.
   a) Scalability b) Reliability
   c) Clarity d) Correctness
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   a) Qualitative b) Product
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3. The _____ task develops user's manuals, installation instructions, principles of operation and other supporting documents.
   a) Service b) Planning
   c) Assurance d) Publication
4. The _____ cost estimation first estimates the cost to develop each module subsystem.
   a)Top Down b) Bottom Up
   c) Left to Right d) Right to Left
5. COCOMO Stands for _____.
   a) Constructive Cost Model b) Constructive Continue Model
   c) Cost Constructive Model d) Continue Constructive Model
6. $ACT=(DSI_{Added}+$_____$)/DSI_{Total}$.
   a) $DSI_{Modified}$ b) DSI_{Source}
   c) $DSI_{Enchance}$ d) DSI_{Adapt}

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

7.a) Describes detailed about phased life cycle model. [OR]
b) Discuss various project size categories.
8.a) List out steps of Delphi cost estimation technique. [OR]
b) Explain estimating software maintenance costs.

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Discuss any five quality and productivity factors?
10. Explain various software cost factors?

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

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ODD SEMESTER [2019-20]
INTERNAL ASSESSMENT TEST – I

Class : **III IT** Date: 17.08.19
Paper Code : **17UITC53** Time: 12-1 PM
Title of the Paper : **JAVA PROGRAMMING** Max Marks: **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

1. _____ is the collection of objects of similar type

   a) Class b) Object
   c) Data type d) Inheritance

2. Methods that have the same name but different parameters list and different definition is called _____
   a) Method Overriding b) Method Overloading
   c) Inheritance d) Data hiding

3. The Mechanism of deriving of a new class from an old one is called_____
   a) Class b) Data abstraction
   c) Inheritance d) Static members

4. The Visibility modifiers are also known as _____
   a) Control Modifiers b)Integer type
   c) Access Modifiers d) float type

5._____class defines a number of methods that allow us to a variety of string manipulation tasks
   a) String b) Exception
   c) Class d) Interface

6. An_____is a condition that is caused by a runtime error in the program
   a) Array c) Exception
   b) Package d) Inheritance

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

10. a) Explain Basic concepts of object oriented programming?[Or]
    b) Write short notes on constructors with example?
8. a) Discuss Inheritance concepts with example? [Or]
   b) Explain packages with example?

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain about Exception handling with example?
10. Discuss about String handling function with example?

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ODD SEMESTER [2019-2020]
INTERNAL ASSESSMENT TEST – I

Class : **III IT** Date : 20.8.19
Paper Code : **17UITCA3** Time :10.30-1.30pm
Title of the Paper :**Cryptography and Network Security** Max Marks : **30**

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

1. _____ is an action that compromises the security of information owned by an organization.
   a)Security Attack b)Security Mechanism
   c)Security Service d)Security Analysis
2. Which is the example of Passive Attack?
   a)Masquerade b)Replay
   c)Denial of Service d)Traffic Analysis
3. Restoring the Plain Text from the Ciphertext is _____
   a)Enciphering b)Deciphering
   c)Encryption d) cryptography
4. The key length in IBM's original LUCIFER algorithm was _____ bits
   a)128 b)64 c)196 d)56
5. Which is not present in AES algorithm?
   a) s-box b) shift row c)mix columns d)Feistel structure
6. Number of rounds available in DES is _____
   a)10 b)16 c)14 d) 11

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

7.a) Explain in details about Security Attack. [Or]
b)List out the security services available in network.
8. a) Explain any two Substitution techniques with example. [OR]
b)Explain any two Transposition Techniques with example.

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

9.Explain in detail about DES algorithm.
10. Discuss about AES algorithm.

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ODD SEMESTER [2019-2020]
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