



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

ODD SEMESTER [2018-19]
 INTERNAL ASSESSMENT TEST – II

Class : **II B.Sc.(IT) A&B** Date :27.10.18
 Paper Code :17UITA31 Time : 12-1
 Title of the Paper : **Digital Principles and Computer Organization** Max Marks : **30**

Reg. No:

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Section A

[6 x 1 = 6]

[Answer **ALL** the questions]

1. Which logic circuit would you use for addressing memory?
 a) Full adder b) Multiplexer
 c) Decoder d) DMA
2. The logic operations are implemented using _____ circuits.
 a) Bridge b) Logical
 c) Combinatorial d) Gate
3. The computer architecture aimed at reducing the time of execution of instructions is _____
 a) CISC b) RISC c) ISA d) ASCII
4. The Sun micro systems processors usually follow _____ architecture.
 a) ISA b) RISC c) CISC d) ULTRA SPARK
5. The general purpose registers are combined into a block called as _____
 a) Register bank b) Register cache
 c) Register file d) none
6. In _____ technology, the implementation of the register file is by using an array of memory locations.
 a) VLSI b) ANSI c) ASCII d) ISA

Section B

[2 x 7 = 14]

[Answer **ALL** the questions]

7. a) Find Write short notes on common bus systems **[OR]**
 b) Convert Write short notes on control memory organization.
8. a) Explain in detail about half adder and full adder. **[OR]**
 b) Write short notes on demultiplexer.

Section C

[1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain about the design of basic computer organization.
10. Explain about RISC machine.

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ODD SEMESTER [2018-19]
INTERNAL ASSESSMENT TEST – II

Programme : **IIT (A&B)** Date : 25.10.2018
Course Code : **17UITC11** Time : 09-10am
Course Title : **Introduction to IT & HTML** Max Marks : **30**

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

- CRT stands for _____.
a) Cathode Ray Tube b) Carbon Race Tube
c) Carbon Ray Tube d) Cathode Race Tube
- Microsoft Windows, DOS, Linux, Mac OS, OS/2, UNIX, MVS, etc... are examples of _____.
a) Hardware b) Operating System c) Software d) Interrupt
- A _____ is only a comment which can tell the HTML version.
a) Title b) Prologue c) Link d) Banner
- What attribute is used in the unordered list, if we do not have any bullets?
a) None b) Plain c) Blank d) Break
- The data in each cell is aligned _____ by default.
a) Left b) Right c) Center d) Justify
- _____ are used to select only one from a list of options available.
a) Radio buttons b) Check boxes
c) Text field d) Text area

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

- a) Explain about Printer and its types ? [OR]
b) Discuss about Network topology?
- a) Explain the components of the Header Section ? [OR]
b) Write a Program to display class time table using table?

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

- Explain types of List with Example ?
- Discuss various elements used to design a Form with example?



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ODD SEMESTER [2018-19]
INTERNAL ASSESSMENT TEST – II

Class : **II B.Sc.(IT) A&B** Date :26.10.18
 Paper Code :17UITC32 Time : 12-1
 Title of the Paper : **Data Structures** Max Marks : **30**

Section A

[6 x 1 = 6]

[Answer **ALL** the questions]

- A sorting technique is called stable if _____.
 a) If it takes $O(n \log n)$ time
 b) It uses divide & Conquer technique
 c) Relative order of occurrence of non distinct elements is maintained
 d) It takes $O(n)$ space
- The number of edges from the root to the node is called _____ of the tree.
 a) height
 b) depth
 c) length
 d) width
- What is the average case time complexity of binary search using recursion?
 a) $O(n \log n)$
 b) $O(\log n)$
 c) $O(n)$
 d) $O(n^2)$
- Binary search can be categorized in to which of the following?
 a) Brute force technique
 b) Divide & Conquer
 c) Greedy Algorithm
 d) Dynamic Programming
- What is the average time complexity of merge sort?
 a) $O(n \log n)$
 b) $O(\log n)$
 c) $O(n^2 \log n)$
 d) $O(n \log n^2)$
- Which of the following sorting algorithm is fastest?
 a) Merge sort
 b) Quick sort
 c) Insertion sort
 d) Shell sort

Section B

[2 x 7 = 14]

[Answer **ALL** the questions]

- a) Explain in detail about representation of binary trees. **[OR]**
 b) Discuss about threaded trees.
- a) What is an algorithm? **[OR]**
 b) Explain quick sort with an example.

Section C

[1 x 10 = 10]

[Answer **ANY ONE** question]

- Discuss in detail about applications of trees.
- Explain merge sort with an algorithm.

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ODD SEMESTER [2018-19]
INTERNAL ASSESSMENT TEST – II

Program : **II-B.Com(CA)** Date : 25.10.2018
Course Code : **17UCCC33** Time : 09-10am
Course Title : **Introduction to Multimedia and DTP** Max Marks : **30**

Section A [6 x 1 = 6]

[the Answer **ALL** questions]

- _____ tool is used to draw line of various thickness and colors
A. Color replacement tool B. History Brush tool
C. Gradient tool D. Brush tool
- If R=0, G=0, B=0 then the color will be _____
A. White B. Black
C. Brown D. Blue
- Corel draw is a _____based drawing application package
A. Vector B. Bitmap
C. Scalar D. Photo Paint
- PNG Stands for
A. Portable Network Graphics B. Portable Network Gateway
C. Public Network Graphics D. Public Network Gateway
- Which method enables you to add columns to paragraph text frames?
A. Text > Drop cap B. Text>Columns
C. Text>Rows D. Text>Tabs
- Vector Images are created by using _____
A. Algebraic equations B. Pixels
C. Differential equations D. Graphics

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

- a) Describe Filters with a neat diagram? [OR]
b) Write briefly about Toolbox and its functions?
- a) How to add Special Effects in CorelDraw? [OR]
b) How will you publish your work in CorelDraw ?

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

- Define Layer. How will you create a Layer?
- Describe the various effects for creating an Object?



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ODD SEMESTER [2018-19]
INTERNAL ASSESSMENT TEST – II

Class : **III B.Sc.(IT) A&B** Date :27.10.18
Paper Code : **SNTGA52** Time : 12-1
Title of the Paper : **Computer Graphics** Max Marks : **30**

Section A

[6 x 1 = 6]

[Answer **ALL** the questions]

- Which of the following plane is used for 2D transformations?
a) Three-dimensional plane b) Two-dimensional plane
c) One-dimensional plane d) Four-dimensional plane
- Which of the following is a Computer Graphics Curve?
a) Bezier Curves b) Implicit Curves
c) Explicit Curves d) All
- _____ types of translation are present in computer graphics.
a) 5 b) 3
c) 4 d) 6
- Which of the following is defined as the process of elimination of parts of a scene outside a window or a viewport?
a) editing b) cutting
c) deleting d) clipping
- Which of the following operations can be used to zoom in or out around any axis on a three-dimensional object from its original position?
a) Rotation b) Sheer
c) Scaling d) Transition
- How many axes do 3D graphics consist of?
a) Two axes b) Three axes
c) Four axes d) One axes

Section B

[2 x 7 = 14]

[Answer **ALL** the questions]

- a) Write about Line attributes. **[OR]**
b) Explain Antialiasing.
- a) Write a note on Basic Transformation. **[OR]**
b) Write about clipping operation.

Section C

[1 x 10 = 10]

[Answer **ANY ONE** question]

- Explain in detail about Basic transformation with example.
- Explain Window to view port Transformation.

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ODD SEMESTER [2018-19]
INTERNAL ASSESSMENT TEST – II

Class : **III B.Sc.(IT) A&B** Date :25.10.18
 Paper Code : **SNTGC52** Time : 12-1
 Title of the Paper : **Software Engineering** Max Marks : **30**

Section A

[6 x 1 = 6]

[Answer **ALL** the questions]

- What are the types of requirements ?
 - Availability
 - Reliability
 - Usability
 - All of the mentioned
- The user system requirements are the parts of which document?
 - SDD
 - SRS
 - DDD
 - SRD
- A step by step instruction used to solve a problem is known as
 - Sequential structure
 - A List
 - A plan
 - An Algorithm
- Which is the first step in the software development life cycle?
 - Analysis
 - Design
 - Problem/Opportunity Identification
 - Development and Documentation
- Which of the following is not a direct measure of SE process?
 - Efficiency
 - Cost
 - Effort Applied
 - All of the mentioned
- Which granularity level of testing checks the behavior of module cooperation?
 - Unit Testing
 - Integration Testing
 - Acceptance Testing
 - Regression Testing

Section B

[2 x 7 = 14]

[Answer **ALL** the questions]

- Define System Modelling . **[OR]**
 - What are the non functional requirements of Software?
- Define Software specification. **[OR]**
 - What is boundary value analysis?

Section C

[1 x 10 = 10]

[Answer **ANY ONE** question]

- What are the modeling techniques of Software Requirements?
- Explain Testing objective and its principles.

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INTERNAL ASSESSMENT TEST – II

Class : **III B.Sc.(IT) A&B** Date :25.10.18
 Paper Code : **SNTGC52** Time : 12-1
 Title of the Paper : **Software Engineering** Max Marks : **30**

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ODD SEMESTER [2018-19]
INTERNAL ASSESSMENT TEST –II

Class : **III IT (A&B)** Date : 26.10.18
Paper Code : **SNTGC53** Time : 12-1
Title of the Paper : **JAVA PROGRAMMING** Max Marks : **30**

Section A [6 x 1 = 6]

[Answer **ALL** the questions]

- An applet is a Java class that extends the _____.
a)java.Applet b)java class c)java.applet.Applet d)java.awt
- Which of the following is required to view an applet?
a)JCM b)JDM c)JVM d)Java class
- AWT Stands for_____
a)Abstract Window Toolkit b) Abstract Window Toolbar
c)Access Window Toolkit d)Access Window Toolbar
- paint() is an abstract method defined in AWT.
a)TRUE b) FALSE
c)can be true or false d)can not say
- When a thread is created using new operator, the thread is in _____ state.
a)Old b)New c)Run d)Terminate
- When we implement the runnable interface we must define _____method
a)start() b) run() c)init() d)new()

Section B [2 x 7 = 14]

[Answer **ALL** the questions]

- Explain any five string handling function with example.[Or]
b) Discuss the use of Package in Java.
- a) What is the difference between an applet and java application? [Or]
b) Write a Java Program to illustrate the concepts of multithreading?

Section C [1 x 10 = 10]

[Answer **ANY ONE** question]

- Explain the life cycle of an applet.
- Explain about Multithreading in java with an example.

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ODD SEMESTER [2018-19]
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Class : **III IT (A&B)** Date : **26.10.18**
Paper Code : **SNTGC53** Time : **12- 1**
Title of the Paper : **JAVA PROGRAMMING** Max Marks : **30**

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ODD SEMESTER [2018-19]

INTERNAL ASSESSMENT TEST – I

Class : **II B.Sc.(IT) A&B** Date :18.8.18
 Paper Code :17UITC32 Time : 12-1
 Title of the Paper : **Data Structures** Max Marks : **30**

Section A

[6 x 1 = 6]

[Answer **ALL** the questions]

- A _____ is a physical representation of an ADT.
 - Queue
 - Data structure
 - Root
 - Stack
- An array elements are accessed using _____.
 - Subscript
 - address
 - Keywords
 - Identifiers
- _____ allocation of memory refers to the allocation of memory during compilation.
 - Static
 - dynamic
 - Array
 - Linked List
- The operation done in stack are called _____ and _____.
 - Push and Pop
 - add and delete
 - front and rear
 - Insertion and deletion
- In a Linked list ,every node contains _____ field.
 - 2
 - 3
 - 4
 - 5
- Queues are accessed in _____ order.
 - FILL
 - FILO
 - FIFO
 - LIFO

Section B

[2 x 7 = 14]

[Answer **ALL** the questions]

- Explain briefly about Data structure ? **[OR]**
 - Define an array. What are the basic operations performed in an array?
- Explain about Any 3 Application of stack? **[OR]**
 - Explain in INSERT and DELETE operations in a queue?

Section C

[1 x 10 = 10]

[Answer **ANY ONE** question]

- Discuss briefly about special types of matrices.
- Explain about Linked representation of Stack.

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ODD SEMESTER [2018-19]

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Class : **II B.Sc.(IT) A&B** Date : 18-08-18
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- Explain about Linked representation of Stack.



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ODD SEMESTER [2018-19]

INTERNAL ASSESSMENT TEST – I

Programme : **I-BBA,B.Com** Date : 20.08.2018
Course Code : **17UITN11** Time : 09-10am
Course Title : **Introduction to Information Technology** Max Marks : **30**

Section A

[6 x 1 = 6]

[the Answer **ALL** questions]

- The actual machinery in a computer is called_____
 - Machinery
 - Software
 - Hardware
 - Modem
- The Major Components of a computer are_____
 - Memory
 - I/O Devices
 - CPU
 - All of the above
- Which of the following is a portable computer?
 - Laptops
 - Subnotebooks
 - PPA's
 - All of the above
- _____refers to sets of electronic instructions that test the hardware what to do
 - Hardware
 - Software
 - Data
 - Users
- Which part is called the brain of the computer?
 - Hard disk
 - CPU
 - ALU
 - Memory
- RAM stands for_____
 - Raid Applicable Memory
 - Random Access Memory
 - Radio Activated Memory
 - Read Access Memory

Section B

[2 x 7 = 14]

[Answer **ALL** the questions]

- a) Explain the Characteristics of Computer? [OR]
b) How the CPU and Memory Works?
- a) Explain parts of computers in detail ? [OR]
b) Explain instruction set?

Section C

[1 x 10 = 10]

[Answer **ANY ONE** question]

- Describe the Classification of Computer?
- Explain about RAM and its types?



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ODD SEMESTER [2018-19]

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ODD SEMESTER [2018-19]

INTERNAL ASSESSMENT TEST – I

Programme : **III-B.Com(CA)** Date : 18.08.2018
Course Code : **CCADC54** Time : 12-01am
Course Title : **Introduction to Multimedia and DTP** Max Marks : **30**

Section A

[6 x 1 = 6]

[the Answer **ALL** questions]

- _____ is the combination of audio, video and graphics.
a. An executable file b. Desktop publishing
c. Multimedia d. Hypertext
- _____ are used for photo realistic images and for complex drawings.
a. Bitmap b. Pixel
c. Graphics d. Data Processing
- _____ is the extraction of meaningful information from images Image Synthesis
a. Image Synthesis b. Image Analysis
c. Image Recognition d. Image Processing
- A user Interface is a collection of _____.
a. Image b. Tools
c. Graphics d. Text
- Lasso Tool, Magic Wand Tool, Rectangular Marquee Tool, allows user to _____ an image.
a. Draw b. Repair
c. Select d. Create
- _____ is used to move an image (or) object
a. Move Tool b. Lasso Tool
c. Crop Tool d. Dodge Tool

Section B

[2 x 7 = 14]

[Answer **ALL** the questions]

- a) Describe the Characteristics of Datastream? [OR]
b) Describe the basic principles of computer image processing?
- a) Explain how to work with images? [OR]
b) Explain color code and color picker ?

Section C

[1 x 10 = 10]

[Answer **ANY ONE** question]

9. Explain Medium and its types?
10. Explain briefly the important components in Photoshop program window ?

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ODD SEMESTER [2018-19]

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ODD SEMESTER [2018-19]
INTERNAL ASSESSMENT TEST – I

Class : III B.Sc.(IT) A&B Date :20.8.18
Paper Code : SNTGA52 Time : 12-1
Title of the Paper : Computer Graphics Max Marks : 30

Section A

[6 x 1 = 6]

[Answer ALL the questions]

- Which of the following is a Computer Graphics type?
a) Raster and Vector b) Raster and Scalar
c) Scalar only d) None
- Which of the following devices provides positional information to the graphics system?
a) Pointing devices b) Both Input devices and Pointing devices
c) Output devices d) Input devices
- Which of the following is defined as the number of pixels stored in the frame buffer of a graphics system?
a) Resolution b) Resolution
c) Depth d) none
- Which of the following is a primary output device of a graphics system?
a) Printer b) Scanner
c) Video monitor d) Neither Scanner nor Video monitor
- Which of the following is used in graphics workstations as input devices to accept voice commands?
a) Speech recognizers b) Touch panels
c) None of the mentioned d) Both
- What is the use of voice system input?
a) To enter data b) To initiate graphics operation and also to enter data
c) To initiate graphics operation d) None of the mentioned

Section B

[2 x 7 = 14]

[Answer ALL the questions]

- a) Define Video display. [OR]
b) Explain about Raster scan system.
- a) Write a note on Points and Lines. [OR]
b) What is filled area primitives?

Section C

[1 x 10 = 10]

[Answer ANY ONE question]

- Write about Random scan system in detail.
- Explain Ellipse generation algorithm.

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ODD SEMESTER [2018-19]
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ODD SEMESTER [2018-19]

INTERNAL ASSESSMENT TEST – I

Class : **III B.Sc.(IT) A&B** Date :17.8.18
 Paper Code :SNTGC52 Time : 12-1
 Title of the Paper : **Software Engineering** Max Marks : **30**

Section A

[6 x 1 = 6]

[Answer **ALL** the questions]

- Efficiency in a software product does not include _____
 a) Responsiveness b) licensing
 c) Memory utilization d) processing time
- The reason for software bugs and failures is due to
 a) Software companies b) Software Developers
 c) Both Software companies and Developers d) All of the mentioned
- Company has latest computers and state-of-the- art software tools, so we shouldn't worry about the quality of the product..
 a) True b) False
- RAD stands for
 a) Relative Application Development b) Rapid Application Development
 c) Rapid Application Document d) None
- Which one of the following is not a phase of Prototyping Model?
 a) Quick Design b) Coding
 c) Prototype Refinement d) Engineer Product
- SDLC stands for
 a) Software Development Life Cycle b) System Development Life cycle
 c) Software Design Life Cycle d) System Design Life Cycle

Section B

[2 x 7 = 14]

[Answer **ALL** the questions]

- a) Define Software Engineering **[OR]**
 b) What is meant by Software Engineering Paradigm?
- a) What are the advantages of incremental model? **[OR]**
 b) Explain Software life cycle in detail.

Section C

[1 x 10 = 10]

[Answer **ANY ONE** question]

- What are the major difference between System Engineering and Software Engineering?
- Explain Waterfall model.

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ODD SEMESTER [2018-19]

INTERNAL ASSESSMENT TEST – I

Class : **III B.Sc.(IT) A&B** Date :17.8.18
 Paper Code :SNTGC52 Time : 12-1
 Title of the Paper : **Software Engineering** Max Marks : **30**

Section A

[6 x 1 = 6]

[Answer **ALL** the questions]

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ODD SEMESTER [2018-19]
INTERNAL ASSESSMENT TEST – I

Class : **III B.Sc.(IT) A&B** Date :18.8.18
Paper Code :SNTGCS3 Time : 12-1
Title of the Paper : **Java Programming** Max Marks : **30**

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

- Who is the author of JAVA?
a)James Gosling b) Dennis Ritchie c)Tim Berners Lee d)IBM
- _____ operator is used to allocate memory.
a)dot b)super c)new d)variable
- Exception that is identified during run time is called_____ exception.
a)user defined b)defined c)checked d)unchecked
- Which of the following is not a java feature?
a)Dynamic b)Object oriented c)Use of pointers d)Architecture Neutral
- _____ is used to find bugs in java programs.
a)JVM b)JRE c)JDK d)JDB
- package is a collection of _____.
a)classes b)variable c)functions d)concept

Section B
[2 x 7 = 14]

[Answer **ALL** the questions]

- What is an class and object? Explain with an example. [OR]
Write note on method overloading in java.
- Define package. How will you import package in a program.
[OR]
Write a java program to illustrate multilevel inheritance.

Section C
[1 x 10 = 10]

[Answer ANY ONE question]

- Explain in detail about String Handling Function.
- What are pre defined exception in java? Explain with example.

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ODD SEMESTER [2018-19]
INTERNAL ASSESSMENT TEST – I

Class : **III B.Sc.(IT) A&B** Date : 18.8.18
Paper Code :SNTGCS3 Time : 12-1
Title of the Paper : **Java Programming** Max Marks : **30**

Section A [6 x 1 = 6]

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