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Reg. No: G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (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	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
Section A [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [Answer Althous the questions] [Answer Althous the questions] [Answer Althous the questions] [Answer Althous the question of addressing memory? [Answer Althous the question of [Answer althous the questin question the questinted the questin ques	Section A [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [6 x 1 = 6] [Answer ALL the questions] [Answer Althous the questions] [Answer Althous the questions] [Answer Althous the questions] [Answer Althous the question of the register file [Answer Althous the question of instructions is [Answer Althous the question of the register file is by using an array [Answer Althous the question of the register file is by using an array [Answer Althous the question of the register file is by using an array [Answer Althous the question of the register file is by using an array [Answer Althous the question of the register file is
Section B [2 x 7 = 14] [Answer ALL the questions] [OR] b) Convert Write short notes on common bus systems [OR] b) Convert Write short notes on control memory organization. [OR] b) Convert Write short notes on control memory organization. [OR] b) Write short notes on demultiplexer. [OR] b) Write short notes on demultiplexer. [1 x 10 = 10] [Answer ANY ONE question] [9. Explain about the design of basic computer organization. 10. Explain about RISC machine. [1 x 10 = 10]	Section B [2 x 7 = 14] [Answer ALL the questions] [OR] b) Convert Write short notes on common bus systems [OR] b) Convert Write short notes on control memory organization. [OR] b) Write short notes on demultiplexer. [OR] b) Write short notes on demultiplexer. [I 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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G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) ODD SEMESTER [2018-19] INTERNAL ASSESSMENT TEST – IIProgramme Course Code: I IT (A&B) : 17UITC11Date : 25.10.2018 Time : 09-10am Max Marks : 30	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 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] 1. CRT stands for a) Cathode Ray Tube b) Carbon Race Tube c) Carbon Ray Tube d) Cathode Race Tube 2. Microsoft Windows, DOS, Linux, Mac OS,OS/2,UNIX,MVS,etc are examples of a) Hardware b) Operating System c) Software d) Interrupt 3. A is only a comment which can tell the HTML version. a) Title b) Prologue c)Link d) Banner 4. What attribute is used in the unordered list, if we do not have any bullets? a) None b) Plain c) Blank d) Break 5. The data in each cell is aligned by default. a) Left b) Right c) Center d) Justify 6 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 A [6 x 1 = 6] [the Answer ALL questions] [6 x 1 = 6] a) Cathode Ray Tube b) Carbon Race Tube c) Carbon Ray Tube d) Cathode Race Tube c) Carbon Ray Tube d) Cathode Race Tube c) Carbon Ray Tube d) Cathode Race Tube 2. Microsoft Windows, DOS, Linux, Mac OS,OS/2,UNIX,MVS,etc are examples of a) Hardware b) Operating System c) Software d) Interrupt 3. A
Section B[2 x 7 = 14][Answer ALL the questions][7.a)Explain about Printer and its types ?[OR]b) Discuss about Network topology?[OR][OR]b) Write a Program to display class time table using table?[I x 10 = 10]b) Write a Program to display class time table using table?[I x 10 = 10][Answer ANY ONE question][I x 10 = 10]9. Explain types of List with Example ?[O.Discuss various elements used to design a Form with example?	Section B $[2 x 7 = 14]$ [Answer ALL the questions][7.a)Explain about Printer and its types ? $[OR]$ b) Discuss about Network topology?8.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]9. Explain types of List with Example ?10.Discuss various elements used to design a Form with example?

Reg. No: G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) ODD SEMESTER [2018-19] INTERNAL ASSESSMENT TEST – II Class :II IT A&B Date : 25.10.18 Paper Code :17UITC31 Time : 12-1 Title of the Paper : Programming in C++ Max Marks : 30	Reg. No: G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) ODD SEMESTER [2018-19] INTERNAL ASSESSMENT TEST – II Class : II IT A&B Date : 25.10.18 Paper Code : 17UITC31 Time : 12-1 Title of the Paper : Programming in C++ Max Marks : 30
Section A [6 x 1 = 6] [Answer ALL the questions] 1. How many approaches are used for operator overloading? a) 1 b) 2 a) 1 b) 2 c) 3 d) 4 2. What is the syntax of overloading operator + for class A? a) A operator+(argument_list){} b) A operator[+](argument_list){} c) int+(argument_list){} b) A operator[+](argument_list){} d) int+(argument_list){} d) int[+](argument_list){} 3. Which keyword is used to declare the friend function? a) firend b) classfriend c) ifrend b) classfriend d) myfriend 4. The operator used for dereferencing or indirection is	Section A $[6 x 1 = 6]$ [Answer ALL the questions]1. How many approaches are used for operator overloading?a) 1b) 2c) 3d) 42. What is the syntax of overloading operator + for class A?a) A operator+(argument_list){}b) A operator[+](argument_list){}c) int+(argument_list){}d) int[+](argument_list){}d) int[+](argument_list){}d) int[+](argument_list){}d) firendc) friendd) firendd) firendd) experator used for dereferencing or indirection isa) *b) &c) ->5. C++ abstract class can containa) pure virtual functionc) only pure virtual functiond) both Pure and non - virtual functionc) istream classc) istream classd) ostream classd) ostream classd) istream classd) bufstream classc) istream classd) bufstream classf) bufstream classf) bufstream classc) istream classd) bufstream classf) bufstream classf) bufstream classg) bufstream classf) bufstream classf) bufstream classf) bufstream classf) bufstream classf) c) bufstream classg) bufstream classh) bufstream classh) bufstream classf) c) bufstream classg) bufstream classh) bufstream classh) bufstream class
Section C [1 x 10 = 10] [Answer ANY ONE question] 9. Explain unary operator with example? 10. Discuss in detail about unformatted I/O operations?	[Answer ANY ONE question] 9. Explain unary operator with example? 10. Discuss in detail about unformatted I/O operations?

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Class

Paper Code

Title of the Paper

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 Date :26.10.18 : II B.Sc.(IT) A&B :17UITC32 Time : 12-1 Max Marks : 30 : Data Structures Section A $[6 \times 1 = 6]$ [Answer **ALL** the questions]

1. A sorting technique is called stable if _____. a) If it takes O(nlogn) time b) It uses divide & Conquer technique c) Relative order of occurrence of non distinct elements is maintained d) It takes O(n) space 2. The number of edges from the root to the node is called ______ of the tree. a) height b) depth c) length d) width 3. What is the average case time complexity of binary search using recursion? a) O(nlogn) b) $O(\log n)$ O(n)d) O(n2) c) 4. Binary search can be categorized in to which of the following? a) Brute force technique Divide & Conquer b) c) Greedy Algorithm Dynamic Programming d) 5. What is the average time complexity of merge sort? a) O(nlogn) $O(\log n)$ b) d) O(nlogn2) c) $O(n2\log n)$ 6. Which of the following sorting algorithm is fastest? a) Merge sort b) Ouick sort c) Insertion sort d) Shell sort Section B $[2 \times 7 = 14]$ [Answer **ALL** the questions] a) Explain in detail about representation of binary trees. [**OR**] 7. b) Discuss about threaded trees. 8. a) What is an algorithm? [**OR**] b) Explain quick sort with an example. Section C $[1 \times 10 = 10]$ [Answer **ANY ONE** question] 9. Discuss in detail about applications of trees. 10. Explain merge sort with an algorithm.



Class

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ODD SEMESTER [2018-19]

Section A

c) Relative order of occurrence of non distinct elements is maintained

2. The number of edges from the root to the node is called of the tree.

3. What is the average case time complexity of binary search using recursion?

4. Binary search can be categorized in to which of the following?

5. What is the average time complexity of merge sort?

6. Which of the following sorting algorithm is fastest?

: II B.Sc.(IT) A&B

:17UITC32

1. A sorting technique is called stable if .

b) It uses divide & Conquer technique

Title of the Paper : Data Structures

a) If it takes O(nlogn) time

a) Brute force technique

c) Greedy Algorithm

d) It takes O(n) space

a) height

c) length

c) O(n)

a) O(nlogn)

a) O(nlogn)

c) $O(n2\log n)$

a) Merge sort

c) Insertion sort

7.

Section B

[Answer ALL the questions]		
a) Explain in detail about representation of binary trees.	[OR]	
b) Discuss about threaded trees		

 $[2 \times 7 = 14]$

 $[1 \times 10 = 10]$

Divide & Conquer

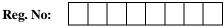
d) Dynamic Programming

b) Discuss about threaded trees. a) What is an algorithm? [**OR**] 8. b) Explain quick sort with an example? Section C

[Answer ANY ONE question]

9. Discuss in detail about applications of trees.

10. Explain merge sort with an algorithm.



INTERNAL ASSESSMENT TEST – II Date : 26.10.18 Time : 12-1

Max Marks : 30 $[6 \times 1 = 6]$

[Answer **ALL** the questions]

b) depth

d) width

d) O(n2)

b)

b)

b) $O(\log n)$

O(log n)

d) O(nlogn2)

b) Ouick sort

d) Shell sort

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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 Program : II-B.Com(CA) Course Code :17UCCC33 Course Title : Introduction to Multimedia and DTP	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 Program :II-B.Com(CA) Date Course Code : 17UCCC33 Time Course Title : Introduction to Multimedia and DTP Max
Section A [6 x 1 = 6] [the Answer ALL questions] 1. 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 2. If R=0, G=0, B=0 then the color will be A. White B. Black C. Brown D. Blue 3. Corel draw is abased drawing application package A. Vector B. Bitmap C. Scalar D. Photo Paint 4. PNG Stands for A. Text > Drop cap A. Text > Drop cap B. Text>Columns C. Text>Rows D. Text>Tabs 6. Vector Images are created by using A. Algebraic equations B. Pixels C. Differential equations	Section A [the Answer ALL questions] 1. 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 2. If R=0, G=0, B=0 then the color will be A. White B. Black C. Brown D. Blue 3. Corel draw is abased drawing application package A. Vector B. Bitmap C. Scalar D. Photo Paint 4. PNG Stands for A. Portable Network Graphics B. Portable Network Graphics B. Portable Network Gateway C. Public Network Graphics D. Public Network Gateway S. Which method enables you to add columns to paragraph text frames? A. Text > Drop cap B. Text>Columns C. Text>Rows D. Text>Tabs 6. 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][OR]7. a) Describe Filters with a neat diagram?[OR]b) Write briefly about Toolbox and its functions?[OR]b) Write briefly about Toolbox and its functions?[OR]b) How to add Special Effects in CorelDraw? [OR][OR]b) How will you publish your work in CorelDraw?[I x 10 = 10][Answer ANY ONE question][I x 10 = 10]9. Define Layer. How will you create a Layer?10. Describe the various effects for creating an Object?	Section B [Answer ALL the questions] 7. a) Describe Filters with a neat diagram? [OR] b) Write briefly about Toolbox and its functions? 8. a) How to add Special Effects in CorelDraw? [OR] b) How will you publish your work in CorelDraw ? Section C [Answer ANY ONE question] 9. Define Layer. How will you create a Layer? 10. Describe the various effects for creating an Object?

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Date : 25.10.2018 Time : 09-10am

Max Marks : 30

[6 x 1 = 6]

 $[2 \times 7 = 14]$

 $[1 \times 10 = 10]$

Reg. No:	Reg. No:
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 : III B.Sc.(IT) A&B Paper Code : SNTGA52 Title of the Paper : Computer Graphics	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 : III B.Sc.(IT) A&B Date :27.10.18 Paper Code :SNTGA52 Time : 12-1 Title Title of the Paper : Computer Graphics Max Marks : 30
Section A [6 x 1 = 6] [Answer ALL the questions] 1. 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 2. Which of the following is a Computer Graphics Curve? a) Bezier Curves b) Implicit Curves c) Explicit Curves c) Explicit Curves d) All 3.	Section A [6 x 1 = 6] [Answer ALL the questions] 1. Which of the following plane is used for 2D transformations? a) Three-dimensional plane b) Two-dimensional plane a) Three-dimensional plane b) Two-dimensional plane c) One-dimensional plane d) Four-dimensional plane 2. Which of the following is a Computer Graphics Curve? a) Bezier Curves b) Implicit Curves c) Explicit Curves d) All 3.
 4. 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 5. 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 6. How many axes do 3D graphics consist of? a) Two axes b) Three axes 	 4. 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 5. 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 6. How many axes do 3D graphics consist of? a) Two axes b) Three axes
 a) Two axes b) Fine caxes c) Four axes d) One axes Section B [2 x 7 = 14] [Answer ALL the questions] 7. a) Write about Line attributes. [OR] b) Explain Antialiasing. 8. a) Write a note on Basic Transformation. [OR] b) Write about clipping operation. Section C [1 x 10 = 10] [Answer ANY ONE question] 9. Explain in detail about Basic transformation with example. 10. Explain Window to view port Transformation. 	 a) Two axes b) Fince axes c) Four axes d) One axes Section B [2 x 7 = 14] [Answer ALL the questions] 7. a) Write about Line attributes. [OR] b) Explain Antialiasing. 8. a) Write a note on Basic Transformation. [OR] b) Write about clipping operation. Section C [1 x 10 = 10] [Answer ANY ONE question] 9. Explain in detail about Basic transformation with example. 10. Explain Window to view port Transformation.

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Me coo we must	G.T.N.ARTS COLLEGE (Affiliated to Madurai Kam (Accredited by NAAC wi ODD SEMESTER [20 INTERNAL ASSESSMEN	araj University) th 'B' Grade))18-19] NT TEST – II			
Programme	: III IT	Date : 24.10.2018			
Course Code	:SNTGC51	Time : 12-1Pm			
Course Title	Course Title :Data Communications and Computer Networks Max Marks : 30				
	Section A	$[6 \times 1 = 6]$			
	[the Answer ALL que	estions]			
1	_ provides a connectionless service applic	cation level procedure.			
a) UPD	b)TCI	P			
c) IP	d) TC	CP/IP			
2.	routing means that all interconnec	tion information is generated and			
mainta	ined at single central location.	C			
a) Stati	c b) Distribut	ted			
c) Cent					
3.	is an example of a packet-switchin				
a) From	b) ATM Applications				

3.	is an	example of a pac	ket-switching	technology.	
	a) Frame relay	b) ATM A	pplications		
	c) ISDN	d) multiple	exing		
4.	A single BSS can be	used to form an		_ network .	
	a)public		b) Digital		
	c) private		d) ad hac		
5.	A prot	ocol is the lowest-	layer protocol	l.	
	a) transport		b) data link		
	c) network		d) session		
6.	TTL stands for	·			
	a) Transfer to live	b) Tim	e to live		
	c) Time to Layer	d) Tran	sfer to Layer		
		Sectio	on B		$[2 \times 7 = 14]$
		[Answer ALL th	ne questions]		
7.a)What are the two mai	n types of ISDN s	ervices?	[OR]	
b) Discuss the WLAN r	equirements.			
8.8	a)Describe Dijkstra alg	orithm. [OR]			
	b) Describe user datag	ram protocol.			
		Section	n C		$[1 \times 10 = 10]$
		[Answer ANY	ONE question	ı]	
9.	Discuss about designing	ng the wireless LA	AN layout.		
10	. Explain about Routin	g Principles.			



10. Explain about Routing Principles.

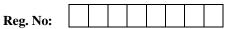
G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade)

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IN GO	D WE TRUST S O D	DD SEMESTER [2018-1	19]
	INTE	RNAL ASSESSMENT T	EST - II
Pro	gramme : III IT		Date : 24.10.2018
Cot	Irse Code :SNTG	C51	Time : 12-1Pm
Cot	urse Title :Data C	ommunications and Compute	er Networks Max Marks : 30
		Section A	$[6 \ge 1 = 6]$
		[the Answer ALL questions	
1.	provides a cor	nectionless service application	
	a) UPD	b)TCP	in the proceeding
	c) IP	d) TCP/IP	
2.	,	means that all interconnection in	nformation is generated and
	maintained at single ce		second to generate and
	a) Static	b) Distributed	
	c) Centralized	d) Adaptive	
3.	·	mple of a packet-switching tech	nnology.
	a) Frame relay	b) ATM Applications	
	c) ISDN	d) multiplexing	
4.	A single BSS can be use	d to form an ne	twork .
	a)public	b) Digital	
	c) private	d) ad hac	
5.		is the lowest-layer protocol.	
	a) transport	b) data link	
	c) network	d) session	
6.	TTL stands for	•	
	a) Transfer to live	b) Time to live	
	c) Time to Layer	d) Transfer to Layer	
		Section B	$[2 \times 7 = 14]$
		nswer ALL the questions]	
	What are the two main typ		DR]
) Discuss the WLAN requi		
)Describe Dijkstra algorith		
1	b) Describe user datagram		
		Section C	$[1 \times 10 = 10]$
~ -		Answer ANY ONE question]	
	Discuss about designing th		

Reg. No:	Reg. No:
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 : III B.Sc.(IT) A&B Paper Code : SNTGC52 Title of the Paper : Software Engineering	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 : 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]1. What are the types of requirements ?a) Availabilityb) Reliabilityc) Usabilityd) All of the mentioned2. The user system requirements are the parts of which document?a) SDDb) SRSc) DDDd) SRD3. A step by step instruction used to solve a problem is known asa) Sequential structureb) A Listc) A pland) An Algorithm4. Which is the first step in the software development life cycle?a) Analysisb) Designc) Problem/Opportunity Identificationd) Development and Documentation5. Which of the following is not a direct measure of SE process?a) Efficiencyb) Costc) Effort Appliedd) All of the mentioned6. Which granularity level of testing checks the behavior of module cooperation?a) Unit Testingb) Integration Testingc) Acceptance Testingd) Regression Testing[2 x 7 = 14][Answer ALL the questions]f. a) Define System Modelling .[OR]b) What are the non functional requirements of Software?8. a) Define Software specification.[OR]b) What is boundary value analysis?Section C[1 x 10 = 10][Answer ANY ONE question]9. What are the modeling techniques of Software Requirements?10. Explain Testing objective and its principles.	Section A $[6 x 1 = 6]$ [Answer ALL the questions]1. What are the types of requirements ?a) Availabilityb) Reliabilityc) Usabilityd) All of the mentioned2. The user system requirements are the parts of which document?a) SDDb) SRSc) DDDd) SRD3. A step by step instruction used to solve a problem is known asa) Sequential structureb) A Listc) A pland) An Algorithm4. Which is the first step in the software development life cycle?a) Analysisb) Designc) Problem/Opportunity Identificationd) All of the mentioned5. Which of the following is not a direct measure of SE process?a) Efficiencyb) Costc) Effort Appliedd) All of the mentioned6. Which granularity level of testing checks the behavior of module cooperation?a) Unit Testingb) Integration Testingc) Acceptance Testingd) Regression Testingc) Acceptance Testingc) RORb) What are the non functional requirements of Software?8. a) Define System Modelling[OR]b) What is boundary value analysis?Section C[Answer ANY ONE question][1 x 10 = 10][Answer ANY ONE question]9. What are the modeling techniques of Software Requirements?10. Explain Testing objective and its principles.Software Requirements?

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Paper Code

Title of the Paper

Class

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 Date : 26.10.18 : III IT (A&B): SNTGC53 Time : 12-1 : JAVA PROGRAMMING Max Marks : 30

Section A $[6 \times 1 = 6]$ [Answer ALL the questions] 1. An applet is a Java class that extends the c)java.applet.Applet a)java.Applet b)java class d)java.awt 2. Which of the following is required to view an applet? b)JDM c)JVM d)Java class a)JCM 3. AWT Stands for a)Abstract Window ToolKit b) Abstract Window Toolbar c)Access Window Toolkit d)Access Window Toolbar 4.paint() is an abstract method defined in AWT. a)TRUE b) FALSE c)can be true or false d)can not say 5. When a thread is created using new operator, the thread is in______ state. b)New c)Run d)Terminate a)Old 6. When we implement the runnable interface we must define method a)start() b) run() c)init() d)new()

Section B $[2 \times 7 = 14]$ [Answer **ALL** the questions] 7.a) Explain any five string handling function with example.[Or] b) Discuss the use of Package in Java. 8. 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 $[1 \times 10 = 10]$ [Answer ANY ONE question] 9. Explain the life cycle of an applet.

10. Explain about Multithreading in java with an example.



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	INTERNAL ASSESSME	NT 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

1

Section A	$[6 \times 1 = 6]$			
[Answer ALL the questions]				
1. An applet is a Java class that extends the				
a)java.Applet b)java class c)	5 11 11 /5			
2. Which of the following is required to view a	n applet?			
a)JCM b)JDM c)JVM d)	Java class			
3. AWT Stands for				
a)Abstract Window ToolKit b)	Abstract Window Toolbar			
c)Access Window Toolkit d)	Access Window Toolbar			
4.paint() is an abstract method defined in AWT				
a)TRUE b) FALS	SE			
c)can be true or false d)can not say				
5. When a thread is created using new operator,	the thread is in state.			
a)Old b)New c)Run d)Terminat	te			
6.When we implement the runnable interface w	e must definemethod			
a)start() b) run() c)init()	d)new()			

Section B

 $[2 \times 7 = 14]$

[Answer **ALL** the questions] 7.a) Explain any five string handling function with example.[Or] b) Discuss the use of Package in Java. 8. 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

 $[1 \times 10 = 10]$

[Answer ANY ONE question] 9. Explain the life cycle of an applet.

10. Explain about Multithreading in java with an example.

Reg. No:	Reg. No:
G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) ODD SEMESTER [2018-19] INTERNAL ASSESSMENT TEST – I Class : II B.Sc.(IT) A&B Date :20.8.18 Paper Code :17UITA31 Time : 12-1 Title of the Paper : Digital Principles and Computer Organization Max Marks : 30	G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) ODD SEMESTER [2018-19] INTERNAL ASSESSMENT TEST – I Class : II B.Sc.(IT) A&B Paper Code :17UITA31 Title of the Paper : Digital Principles and Computer Organization
Section A $[6 x 1 = 6]$ [Answer ALL the questions]1. Which number system has a base 16a) Hexadecimalb) octalc) Binaryd) Decimal2. What is a digital-to-analog converter?a) It stores digital data on the computerb) It converts alternating current (AC) into direct current (DC)c) It converts electrical power into mechanical powerd) It takes the digital data from an audio CD and converts it to a useful form3. Convert (312) ₈ into decimala) (201) ₁₀ b) (201) ₁₀ c) Norert (312) ₈ into decimala) (201) ₁₀ b) (201) ₁₀ c) Nore (b) (201) ₁₀ c) Nore, NAND, ORb) OR, NOT, XORc) NOR, NAND, XNORd) NOR, NAND6. 2's complement of 1011011 isa) 101001b) 111100c) NICH (b) (201) (c) (c) (111011)d) 0100101	Section A $[6 x 1 = 6]$ [Answer ALL the questions]1. Which number system has a base 16a) Hexadecimalb) octalc) Binaryd) Decimal2. What is a digital-to-analog converter?a) It stores digital data on the computerb) It converts alternating current (AC) into direct current (DC)c) It converts electrical power into mechanical powerd) It takes the digital data from an audio CD and converts it to a useful form3. Convert (312) ₈ into decimala) (201) ₁₀ b) (201) ₁₀ c) Norvert (312) ₈ into decimala) 101001b) 111100c) NOR, NAND, ORb) OR, NOT, XORc) NOR, NAND, XNORd) NOR, NAND6. 2's complement of 1011011 isa) 101011b) 0111010c) 1110111d) 0100101
Section B $[2 \times 7 = 14]$ [Answer ALL the questions]	Section B $[2 \times 7 = 14]$ [Answer ALL the questions]
7. a) Find 2's complement for the numbers given below. a) 1000 0001 b) 0011 0110 [OR]	7. a) Find 2's complement for the numbers given below. a) 1000 0001 b) 0011 0110 [OR]
 b) Convert the following . a) Hexadecimal to binary – 9AF b) Binary to hexadecimal - 1000 1100 	 b) Convert the following . a) Hexadecimal to binary – 9AF b) Binary to hexadecimal - 1000 1100
8. a) Explain half subtracted with diagram and the truth table. [OR]b) Write short note on Binary subtraction.	8. a) Explain half subtracted with diagram and the truth table. [OR]b) Write short note on Binary subtraction.
Section C[1 x 10 = 10][Answer ANY ONE question]9. Explain the basic gates with truth table and diagram10. Discuss about Karnaugh simplification with an example	Section C[1 x 10 = 10][Answer ANY ONE question]9. Explain the basic gates with truth table and diagram10. Discuss about Karnaugh simplification with an example

Reg. No:		
G.T.N.ARTS COLLEGE (Aut (Affiliated to Madurai Kamara) (Accredited by NAAC with ' ODD SEMESTER [2018 INTERNAL ASSESSMENT T Class :II IT(A&B) Paper Code :17UITC31 Title of the Paper : Programming in C++	j University) B'Grade) -19]	Class Paper Code Title of the Pape
Section A	[6 x 1 = 6]	
[Answer ALL the questions		1. The wrapping
1. The wrapping up of data and function is known as		a) Enca
a) Encapsulation b)	abstraction	c) Data
c) Data hiding d)	inheritance	2. Which of the
2. Which of the following is the correct syntax to print the m	essage in c++?	a) cout<
a) cout<<"Hello World!" b)	•	c) out<-
c) out<<"Hello World!" d)	cout<<"Hello World!	3. C++ is a
3. C++ is a type of language.		a) High
a) High-level language b)	low-level language	c) Midd
c) Middle-level language d)	0 0 0	4 i
4 is a special member function where task is to	initiative the object of its class	a) Destr
a) Destructor b)	constructor	c) Array
c) Array d)	structure	5. Which of the
5. Which of the following is used for comments in C++?		a) /* com
a) /* comment */ b)	//* comment */	c) // com
	poth// comment or /* comment */	6. Which operate
6. Which operator can be used to create objects of any type		a) mallo
a) malloc b)	calloc	c) new
c) new d)	endl	
Section B	$[2 \times 7 = 14]$	
[Answer ALL the questions]		7. a) Discu
7. a) Discuss about data types in c++ with examples?	[OR]	b) Expla 8. a) What
b) Explain in detail about operators in C++?8. a) What are class and objects? How are they created	? [OR]	
8. a) What are class and objects? How are they createdb) What is polymorphism in C++?		b) What
Section C	$[1 \times 10 = 10]$	
[Answer ANY ONE question]		9. Explain th
9. Explain the basic concepts of OOPS in detail?		10. Explain co
10. Explain constructors and destructor in detail with exam	nple?	
10. Expansions detors and destructor in douin with exam	upre .	

G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) ODD SEMESTER [2018-19] INTERNAL ASSESSMENT TEST - I : II IT(A&B) Date : 17.8.18 :17UITC31 Time : 12 -1 per : Programming in C++ Max Marks : 30 Section A $[6 \times 1 = 6]$ [Answer **ALL** the questions] ng up of data and function is known as apsulation b) abstraction a hiding d) inheritance e following is the correct syntax to print the message in c++? t<<"Hello World!" b) cout<<Hello World! <<"Hello World!" d) cout <<"'Hello World! type of language. gh-level language b) low-level language Idle-level language d) High and low-level language is a special member function where task is to initiative the object of its class structor b) constructor d) structure ay e following is used for comments in C++? b) //* comment */ mment */ d)both// comment or /* comment */ nment ator can be used to create objects of any type loc b) calloc d) endl Section B $[2 \times 7 = 14]$ [Answer ALL the questions] cuss about data types in c++ with examples? [OR] plain in detail about operators in C++? at are class and objects? How are they created? [OR] at is polymorphism in C++? Section C $[1 \times 10 = 10]$ [Answer ANY ONE question] the basic concepts of OOPS in detail?

Reg. No:

10. Explain constructors and destructor in detail with example?

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G.T.N.ARTS COLLEGE (Autonomous)	G.T.N.ARTS COLLEGE (Autonomous)
(Affiliated to Madurai Kamaraj University)	(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)	(Accredited by NAAC with 'B' Grade)
ODD SEMESTER [2018-19]	ODD SEMESTER [2018-19]
INTERNAL ASSESSMENT TEST – I	INTERNAL ASSESSMENT TEST – I
Class : II B.Sc.(IT) A&B Date :18.8.18	Class : II B.Sc.(IT) A&B Date : 18-08-18
Paper Code :17UITC32 Time : 12-1	Paper Code : 17UITC32 Time : 12-1 pm
Title of the Paper : Data Structures Max Marks : 30	Title of the Paper : Data Structures Max Marks : 30
Section A [6 x 1 = 6] [Answer ALL the questions] 1. A is a physical representation of an ADT. a) Queue b) Data structure c) Root d) Stack 2. An array elements are accessed using a) Subscript b) address c) Keywords d) Identifiers 3	Section A [6 x 1 = 6] [Answer ALL the questions] 1. A is a physical representation of an ADT. a) Queue b) Data structure c) Root d) Stack 2. An array elements are accessed using a) Subscript b) address c) Keywords d) Identifiers 3 allocation of memory refers to the allocation of memory during compilation. a) Static b) dynamic c) Array d) Linked List 4. The operation done in stack are called and a) Push and Pop b) add and delete c) front and rear d) Insertion and deletion 5. In a Linked list, every node contains field. a) 2 b) 3 c) 4 d) 5 6. Queues are accessed in order. a) FILL b) FILO c) FIFO d) LIFO Section B [2 x 7 = 14]
[Answer ALL the questions]	[Answer ALL the questions]
7. a) Explain briefly about Data structure ? [OR]	7. a) Explain briefly about Data structure ? [OR]
b) Define an array. What are the basic operations performed in an array?	b) Define an array. What are the basic operations performed in an array?
8. a) Explain about Any 3 Application of stack? [OR]	8. a) Explain about Any 3 Application of stack? [OR]
b) Explain in INSERT and DELETE operations in a queue?	b) Explain in INSERT and DELETE operations in a queue?
Section C [1 x 10 = 10]	Section C [1 x 10 = 10]
[Answer ANY ONE question]	[Answer ANY ONE question]
9. Discuss briefly about special types of matrices.	9. Discuss briefly about special types of matrices.
10. Explain about Linked representation of Stack.	10. Explain about Linked representation of Stack.

Reg. No:			

	Reg. No:			
Programme Course Code Course Title	G.T.N.ARTS COLLEGE (Autonomo (Affiliated to Madurai Kamaraj Unive (Accredited by NAAC with 'B' Gra ODD SEMESTER [2018-19] INTERNAL ASSESSMENT TEST – : I-BBA,B.Com :17UITN11 : Introduction to Information Technology	rsity) de) I Date : 20.08.2018 Time : 09-10am		
	Section A	$[6 \times 1 = 6]$		
	[the Answer ALL questions]			
1. The act	ual machinery in a computer is called			
	chinery b) Software c) Hardware	d) Modem		
	and the second s			
	emory b) I/O Devices c) CPU of the following is a portable computer?	d) All of the above		
a) La		of the above		
	_refers to sets of electronic instructions that test the har			
a) Hardware b) Software c) Data d) Users				
5. Which part is called the brain of the computer?				
a) Hare	d disk b) CPU c) ALU d)Memory tands for			
	l Applicable Memory b) Random Access Memory	orv		
	io Activated Memory d) Read Access Memory			
,				
	Section B	$[2 \times 7 = 14]$		
	[Answer ALL the questions]			
7. a) Explain the Characteristics of Computer? [OR]b) How the CPU and Memory Works?				
8. a) Explain parts of computers in detail ? [OR]				
	instruction set?			
	Section C	$[1 \times 10 = 10]$		
[Answer ANY ONE question]				
 Describe the Classification of Computer? Explain about RAM and its types? 				
10. Explain al	bout KAIVI and its types?			



G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) ODD SEMESTER [2018-19]

Reg. No:

	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		$[6 \times 1 = 6]$	
[t	he Answer ALL	questions]		
1. The actual machinery in a c	omputer is called			
a) Machinery	b) Software	c) Hardware	d) Modem	
2. The Major Components of a	computer are			
a) Memory	b) I/O Devices	c) CPU	d) All of the above	
3. Which of the following is a	portable compute	er?		
a) Laptops b) Subnoted	ooks c) PPA	's d) All	of the above	
4refers to sets of ele	4refers to sets of electronic instructions that test the hardware what to do			
a) Hardware b) Softwa	re c) Da	ata	d) Users	
5. Which part is called the brain of the computer?				
a) Hard disk b) CPU	c) ALU	d)Memory		
6. RAM stands for				
a) Raid Applicable Memor	y b) Ran	dom Access Men	nory	
c) Radio Activated Memor	y d) Rea	d Access Memory	y	

Section B

[2 x 7 = 14]

 $[1 \times 10 = 10]$

[Answer ALL the questions]				
7.a) Explain the Characteristics of Computer? [OR]				
b) How the CPU and Memory Works?				
8.a) Explain parts of computers in detail? [OR]				
b) Explain instruction set?				
Section C				
[Answer ANY ONE question]				

9. Describe the Classification of Computer?10. Explain about RAM and its types?

Reg. No:	Reg. No:
G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) ODD SEMESTER [2018-19] INTERNAL ASSESSMENT TEST – IProgramme Course Code Course Title: III-B.Com(CA) : CCADC54Date : 18.08.2018 Time : 12-01am Max Marks : 30	G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) ODD SEMESTER [2018-19] INTERNAL ASSESSMENT TEST – I Programme Course Code : CCADC54 Time : 12-01am Course Title : Introduction to Multimedia and DTP Max Marks : 30
Section A [6 x 1 = 6]	Section A [6 x 1 = 6]
[the Answer ALL questions]	[the Answer ALL questions]
1 is the combination of audio,video and graphics.	1 is the combination of audio,video and graphics.
a. An executable file b. Desktop publishing	a. An executable file b. Desktop publishing
c. Multimedia d. Hypertext	c. Multimedia d. Hypertext
el manimodia di Tipperent	2 are used for photo realistic images and for complex drawings.
2 are used for photo realistic images and for complex drawings.	a.Bitmap b.Pixel
a.Bitmap b.Pixel	c.Graphics d. Data Processing
c.Graphics d. Data Processing	3 is the extraction of meaningful information from images Image Synthesis
3 is the extraction of meaningful information from images Image Synthesis	a.Image Synthesis b. Image Analysis
a.Image Synthesis b. Image Analysis	c.Image Recognition d. Image Processing
c.Image Recognition d. Image Processing	4. A user Interface is a collection of
4. A user Interface is a collection of	a. Image b. Tools
a. Image b. Tools	c. Graphics d. Text
c. Graphics d. Text	5. Lasso Tool, Magic Wand Tool, Rectangular Marquee Tool, allows user to
5. Lasso Tool, Magic Wand Tool, Rectangular Marquee Tool, allows user to	an image.
an image.	a. Draw b. Repair
a. Draw b. Repair	c. Select d. Create
c. Select d. Create	6 is used to move an image (or) object
6 is used to move an image (or) object	a. Move Tool b. Lasso Tool
a. Move Tool b. Lasso Tool	c. Crop Tool d. Dodge Tool
c. Crop Tool d. Dodge Tool	Section B [2 x 7 = 14]
Section B [2 x 7 = 14]	[Answer ALL the questions]
[Answer ALL the questions]	7. a) Describe the Characteristics of Datastream? [OR]
7. a) Describe the Characteristics of Datastream? [OR]	b) Describe the basic principles of computer image processing?
b) Describe the basic principles of computer image processing?	8. a) Explain how to work with images? [OR]
8. a) Explain how to work with images? [OR]	b) Explain color code and color picker ?
b) Explain color code and color picker ?	Section C [1 x 10 = 10]
Section C $[1 \times 10 = 10]$	[Answer ANY ONE question]
[Answer ANY ONE question]	9. Explain Medium and its types?
9. Explain Medium and its types?	10. Explain briefly the important components in Photoshop program window ?
10. Explain briefly the important components in Photoshop program window ?	

Reg. No:	Reg. No: G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) ODD SEMESTER [2018-19] INTERNAL ASSESSMENT TEST – I Programme : IIT (A&B) Date : 17.08.2018 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] 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 c) Distributed Database Processing d) Distributed Data Processing e) BCDcode b) minicode c) BCDcode d) PINcode 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 A [6 x 1 = 6] [the Answer ALL questions] [6 x 1 = 6] 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 c) kilo byte d) giga byte 3. DDP stands for a) Direct Database Processing b) Direct Database Processing b) Direct Data Processing c) Distributed Database Processing d) Distributed Data Processing c) Distributed Database Processing d) Distributed Data Processing c) BCDcode b) minicode c) BCDcode d) PINcode 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][OR]7.a)Explain the Characteristics of Computer? [OR][OR]b) How the CPU and Memory Works?[OR]8.a)Explain Optical Disk in detail ? [OR][I x 10 = 10]b) Explain any five input devices?[1 x 10 = 10][Answer ANY ONE question][O.Explain about RAM and its types?	[Answer ALL the questions] 7.a) Explain the Characteristics of Computer? [OR] b) How the CPU and Memory Works? 8.a) Explain Optical Disk in detail ? [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 RAM and its types?

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Class

Paper Code

a)

commands?

G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) ODD SEMESTER [2018-19] INTERNAL ASSESSMENT TEST – I : III B.Sc.(IT) A&B Date :20.8.18 : SNTGA52 Time : 12-1 : Computer Graphics Title of the Paper Max Marks : 30 Section A $[6 \times 1 = 6]$ [Answer ALL the questions] 1. Which of the following is a Computer Graphics type? a) Raster and Vector b) Raster and Scalar c) Scalar only d) None 2. Which of the following devices provides positional information to the graphics system? b) Both Input devices and Pointing devices a) Pointing devices c) Output devices d) Input devices 3. 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 4. Which of the following is a primary output device of a graphics system? Printer b) Scanner c) Video monitor d) Neither Scanner nor Video monitor 5. Which of the following is used in graphics workstations as input devices to accept voice

a) Speech recognizers	b) Touch panels	
c) None of the mentioned	d) Both	
6. What is the use of voice system inp	,	
a) To enter data	b) To initiate graphics operation	n and also to
	enter data	
c) To initiate graphics operation	d) None of the mentioned	
Sect	tion B	$[2 \times 7 = 14]$
[Answer	• ALL the questions]	
7. a) Define Video display.	[OR]	
b) Explain about Raster scan sys	stem.	
8. a) Write a note on Points and Li	nes. [OR]	
b) What is filled area primitives?)	
S	Section C	$[1 \times 10 = 10]$
[Answer]	ANY ONE question]	
9. Write about Random scan system	in detail.	
10. Explain Ellipse generation algorith	hm.	



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

Reg. No:

ODD SEMESTER [2018-19]				
INTERNAL ASSESSMENT TEST – I				
Class : III B.Sc.(IT) A	&В	Date :20.8.18		
Paper Code :SNTGA52		Time : 12-1		
Title Title of the Paper : Computer	Graphics	Max Marks : 30		
Se	ction A	$[6 \times 1 = 6]$		
[Ans	wer ALL the questions]			
1. Which of the following is a Compu	ter Graphics type?			
a) Raster and Vector	b) Raster and Scalar			
c) Scalar only	d) None			
2. Which of the following devices pro	vides positional information to the	graphics system?		
a) Pointing devices	b) Both Input devices and Poir	nting devices		
c) Output devices	d) Input devices			
3. Which of the following is defined a	s the number of pixels stored in the	frame buffer of a		
graphics system?				
a) Resolution	b) Resolution			
c) Depth	d) none			
4. Which of the following is a primary	output device of a graphics system	1?		
a) Printer	b) Scanner			
c) Video monitor	d) Neither Scanner nor Video r	nonitor		
5. Which of the following is used in g	raphics workstations as input device	es to accept voice		
commands?				
a) Speech recognizers	b) Touch panels			
c) None of the mentioned	d) Both			
6. What is the use of voice system inp	ut?			
a) To enter data	b) To initiate graphics operation	and also to		
	enter data			
c) To initiate graphics operation	d) None of the mentioned			
	ion B	$[2 \times 7 = 14]$		
	ALL the questions]			
7. a) Define Video display.	[OR]			
b) Explain about Raster scan sys				
8. a) Write a note on Points and Lin				
b) What is filled area primitives?				
Section C		$[1 \times 10 = 10]$		

[Answer ANY ONE question] 9. Write about Random scan system in detail.

10. Explain Ellipse generation algorithm.

	Reg. No:			Reg. No:	
Programme Course Code	G.T.N.ARTS COLLEGE (Auton (Affiliated to Madurai Kamaraj U (Accredited by NAAC with 'B' ODD SEMESTER [2018-201 INTERNAL ASSESSMENT TES : III IT : SNTGC51	niversity) Grade) 9]	Programme Course Code	G.T.N.ARTS COLLEGE (Autor (Affiliated to Madurai Kamaraj U (Accredited by NAAC with 'B' ODD SEMESTER [2018-20 INTERNAL ASSESSMENT TE : III IT : SNTGC51	Jniversity) Grade) 19]
Course Title	: DATA COMMUNICATIONS AND COMPUTER NETWORKS	Max Marks : 30	Course Title	: DATA COMMUNICATIONS AND COMPUTER NETWORKS	Max Marks : 30
a) ITU-S c) PRI 5. a) Variab c) Multip 3. Peer-to-peer a) point c) ad hoc 4. central loc. a) adapti c) Static 5. Packets in th a) units c) bytes	d) TA packets are used for more efficient and flexible ble length b) fixed length blexing d) x.25 r mode is also known as mode. b) transparent d) monitor means that all interconnection information is ge	e data transfers.	a) ITU-S c) PRI 2 a) Variabl c) Multip 3. Peer-to-peer a) point c) ad hoc 4 central loca a) adaptiv c) Static 5. Packets in th a) units c) bytes	lexing d) x.25 mode is also known as mode. b) transparent d) monitor _ means that all interconnection information is g attion. we routing b) Centralized routing	data transfers. enerated and maintained at a single
b) Discuss wi 8.a) Discuss C	d) ICMP Section B [Answer ALL the questions] TM and what are its services? [OR] ireless LAN architecture. Centralized routing and distributed routing. [OR] ransmission control protocol.	[2 x 7 = 14]	c) HTTP7.a) What is ATb) Discuss wi8.a) Discuss C	d) ICMP Section B [Answer ALL the questions] CM and what are its services? [OR] reless LAN architecture. entralized routing and distributed routing. [OR]	[2 x 7 = 14]
9. Explain abo	Section C [Answer ANY ONE question] out WAP Services? agram and give a brief description of each of its fi	[1 x 10 = 10] elds?	9. Explain abo	ransmission control protocol. Section C [Answer ANY ONE question] ut WAP Services? agram and give a brief description of each of its	[1 x 10 = 10] fields?

Reg. No:	Reg. No:
G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) 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	G.T.N.ARTS COLLEGE (Autonomous) (Affiliated to Madurai Kamaraj University) (Accredited by NAAC with 'B' Grade) ODD SEMESTER [2018-19] INTERNAL ASSESSMENT TEST – I Class : III B.Sc.(IT) A&B Paper Code :SNTGC52 Title of the Paper : Software Engineering
Section A $[6 \times 1 = 6]$	Section A $[6 x 1 = 6]$
[Answer ALL the questions] 1. Efficiency in a software product does not include	[Answer ALL the questions]1. Efficiency in a software product does not include
 6. SDLC stands for a) Software Development Life Cycle b) System Development Life cycle c) Software Design Life Cycle d) System Design Life Cycle c) Software Design Life Cycle 	 6. SDLC stands for a) Software Development Life Cycle b) System Development Life cycle c) Software Design Life Cycle b) System Design Life Cycle c) Software Design Life Cycle
 7. a) Define Software Engineering [OR] b) What is meant by Software Engineering Paradigm? 8. a) What are the advantages of incremental model? [OR] b) Explain Software life cycle in detail. 	 7. a) Define Software Engineering [OR] b) What is meant by Software Engineering Paradigm? 8. 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] 9. What are the major difference between System Engineering and Software Engineering? 10. Explain Waterfall model.	Section C [1 x 10 = 10] [Answer ANY ONE question] 9. What are the major difference between System Engineering and Software Engineering? 10. Explain Waterfall model.

Reg. No:	
G.T.N.ARTS COLLEGE (Affiliated to Madurai Kam (Accredited by NAAC wi ODD SEMESTER [2 INTERNAL ASSESSME]	araj University) th 'B' Grade) 018-19] NT TEST – I Class
Class : III B.Sc.(IT) A&B	Date :18.8.18 Pap
Paper Code :SNTGC53	Time : 12-1 Title
Title of the Paper : Java Programming	Max Marks : 30
Section A	$[6 \times 1 = 6]$
[Answer ALL the que	
1. Who is the author of JAVA?	
	Tim Berners Lee d)IBM 2
2 operator is used to allocate memory.	
)variable 3.E
3.Exception that is identified during run time is called	-
	checked d)unchecked 4.V
4.Which of the following is not a java feature? a)Dynamic b)Object oriented c	Use of pointers d)Architecture Neutral 5
5 is used to find bugs in java programs.	See of pointers d)Arennecture Neural 3.
a)JVM b)JRE c)JDK d)JDB	6.p
6.package is a collection of	<u>r</u>
	concept
Section B	
$[2 \times 7 = 14]$	
[Answer ALL the questio	
7. What is an class and object? Explain with an exam	
Write note on method overloading in java.	8.
8. Define package. How will you import package in a [OR]	program.
Write a java program to illustrate multilevel inherit	2000
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. Section C	
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9.Explain in detail about String Handling Function.10. What are pre defined exception in java? Explain with example.

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G.T.N.ARTS COLLEGE (A (Affiliated to Madurai Kama (Accredited by NAAC with ODD SEMESTER [20 INTERNAL ASSESSMEN' Class : III B.Sc.(IT) A&B Paper Code :SNTGC53 Title of the Paper :Java Programming	raj Univ 1 'B' Gr 18-19]	versi ade) – I	ty)	e :	12-	1		
Section A			[6	x 1	= 6	5]		
[Answer ALL the quest	ions]							
1. Who is the author of JAVA?a)James Goslingb) Dennis Ritchiec)T2 operator is used to allocate memory.	im Berners	s Lee		d)IBI	М		
a)dot b)super c)new d)v	ariable							
3.Exception that is identified during run time is called								
	hecked	d)	unch	neck	ed			
 5 is used to find bugs in java programs. a)JVM b)JRE c)JDK d)JDB 6.package is a collection of 	lse of point	ers d)	Arch	nitec	eture	e Ne	eutr	al
	oncept							
Section B								
$[2 \times 7 = 14]$	1							
[Answer ALL the questions]								
 What is an class and object? Explain with an exampl Write note on method overloading in java. 	e. [OR]							
8. Define package. How will you import package in a p [OR]	rogram.							
Write a java program to illustrate multilevel inheritan	ce.							
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