Total No. of Printed Pages:2

SUBJECT CODE NO:- N-4069

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FACULTY OF SCIENCE & TECHNOLOGY

B.Sc. (Information Technology) F.Y. (Sem-II) Examination March/April 2019

I.T Tools & Web Designing I- IT203T

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Max.Marks:	~11
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1.1 10015 -		- liviax inatrassol
[Time: 1:30 Hours]		
Dlease check whether	you have got the right question paper.	
N B i) Attempt all questions.		
ii) Illustrate vour answer v	with suitable labeled diagram.	
iii) All questions carry equ	ual marks	
,		
		10
Q.1 Fill in the blanks.		
HTML stands for a) Hyper Tech Markup languag		
b) Hyper Text Markup language		
c) Hi Tech Markup language		3
d) Hyphenation Text Markup l	anguage	
2)tag makes a bulleted	list with numbers	
(a) <dl></dl>	(b) < QL > (b) < QL > (c) (c	
(c) <list></list>	(d) <uĺ></uĺ>	
a) <h7> hTML tag produces to the control of the con</h7>	ine orggest reading	
a) <h></h> />//>/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
4) Page designed in HTML is calle	ed-as.	4
(a) Front page	(b) Yellow page	
(c) Server page	(d) Web page	
5) HTML program is saved using	extension.	
(a) htm	(b) html	
(c) htl	Con min	-9 · 0
6) The three types of bullets are	and	
(a) The timee types of punicis inc.		
disconnection square disconnection disconnec		
c) disc, round & square		
None of the above		
		1
7) The CELLPADDING attribute of	of <table> tag indicates between</table>	n border &
contents of the cell		
(a) Space	(b) division	
(c) thickness	(d) width	

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\$	8) is correct commenting form in Trans.	1.1
1	a) < and>	
in.	b) and	
	c) <and-!></and-!>	1 1
	d) and -	1
The same of the	9) URL stands for	
	a) Unknown resources language	
	b) Uniform resource locator	
	c) United resource location	
	d) None of the above	
		3 .
	10) The <p> tag indicates</p>	\
	a) Punctuation	
	b) Paragraph break	2.1
	c) Pointer	
	none of the above	05
	Learning & disadvantages of HTML.	05 05
Q.2	A) What is HTML? Explain the advantages & disadvantages of HTML.	05
	B) Write a program in HTML using list tags. OR	10
	OF Islands the features of Web Server.	10
	A) What is web server? Explain the features of Web Server.	05
		05
2.3	A) What is TCP/IP? Explain.	05
	B) Explain tag with its attributes. OR	
		10
	A) What is linking? Explain the types of links.	
		05
.4	A) Explain the text formatting tags in HTML.	05
	R) Write a program in HTML using Heading tags.	
		10
	A) What is Javascript? Give the advantages of Javascript.	10.3
		10
0.5	Write a short note on. (Any two)	10
Q.5	-a) <p>& tags</p>	
	b) Centering & spacing	
3. 1. 1.	Di Centernal Style Sheets	
7. 20	c) External Style Sheets	

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Total No. of Printed Pages:02

SUBJECT CODE NO:- N-4073

FACULTY OF SCIENCE & TECHNOLOGY B.Sc. (Information Technology) F.Y. (Sem-II) Examination March/April 2019

C Programming - II IT204-T

[Max.Marks:50]

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

- 1. All questions are compulsory.
- 2. Draw diagram whenever necessary.
- 3. Use only blue or black pen for writing.

Multiple choice questions.

- 1. Which of the following is not the proper storage class in C? b) dec () extern
 - a). auto

- d) register
- 2. Which of the following are themselves a collection of different data types?
 - a) string
- structures s

c) char

a) All of the mention

- 3. A pointer is a
 - variable that stores address of an instruction
 - b). keyword used to create variable
 - c) variable that stores address of another variable
 - d) None of these
- When a function is recursively called all the automatic variables are stored in a
 - Stack Stack
- (a) (a) Queue
- c) Array
- d) Register

- 5. #include is called directive.
 - (¿¿a) Preprocessor
- Inclusion
- c) File inclusion
- (s) None of the mentioned

- The value of EOF is

- d) 10
- Value of the static variable declared in the function behave in the program as
 - a) Changes during the different function call
 - b) Persist during the different function call
 - c) Increase during the different function call d) Decrease during the different function call
- 8. Which of the following is NOT the valid option for the function fopen
- b) · w+

. (a) void b) int c) return (o) d) exit	
a) printf (b) fprintf (c) putchar (d) scanf	
그는 그 그는 그는 그는 그는 그는 그는 그는 그는 그는 그를 가는 것이 없는 것이다.	
a) State governal advantages to the very of female of Decilia to the second of the sec	No Acres
	05
	05
proper example and it off justify your answers	3000
What is structure? How is the array of structure initialized? Write a Corogram to show the	10
use of array of structure and display the content of structures.	
a) What is an enumeration? How is an enumeration defined and congress in Conserver.	05
b) Explain with suitable example the pointer arithmetic	05 05
-7 Wan bandoto oxampio inciponital unitamicito.	,
Enlist any five string function in C language. Write a program using string function to sort	the 10
name of five students stored in an array.	tho 10
a) Write a C program to copy the content of one file to another file using getc and putc.	05
b) Summarize the different file types that can be specified by the fopen () function.	05
. · · · · · · · · · · · · · · · · · · ·	
c) Write a C program to append the student data in stud.dat file. The student information is:	10
roll no, name, class and fees.	
	. 10
b) Extern and static storage class	•
e) iseek() and rewind() function	
	•
Hardwick and the succession of charge of the financial Agent Agent and the control of the first formation of the control of the first formation of the first for	
	: .
Para brothman from the holder than the second subject to the secon	
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	a) What is an enumeration? How is an enumeration defined and accessed in C program. b) Explain with suitable example the pointer arithmetic. OR c) Enlist any five string function in C language. Write a program using string function to sort name of five students stored in an array. a) Write a C program to copy the content of one file to another file using getc and putc. b) Summarize the different file types that can be specified by the fopen () function. OR c) Write a C program to append the student data in stud dat file. The student information is: roll no, name, class and fees. rite short notes on. (any two): A) Union b) Extern and static storage class e) fseek () and rewind () function.

2

SUBJECT CODE NO:- N-4061 FACULTY OF SCIENCE & TECHNOLOGY

	B.Sc.(Information Technology) F.Y. (Sem-II) Examination Water Application Data Structure -IT 201-T	[Max.Marks: 50]
[Time	:: 1:30 Hours]	
	Please check whether you have got the right question paper.	
> D	1) A transf all questions	
N.B	Attempt an questions. Illustrate your answers with suitable labeled diagram.	
	2) mustude your and	
		10
Q.1	Fill in the blanks:-	
	Challe cort algorithm is	
	1) Complexity of bubble sort algorithm isb) $O(\log n)$	
	a) O(n)	
	c) O(n 2)	
3.7	2) The searching technique that takes O(1) time to find data is	
	a) Linear search	Here we all the
	c) Hashing d) Tree search	
.01		at a tale
	3) A linear list of elements in which deletion can be done from one end and	nsertion can take
	place only af other end is known as	
	a) Overe	
	c) List	
	The High to exchange the first element	with any element
	4) A sort which relatively passes through a list to exchange the first element	0.0
	less than it and then repeats with a new first element is called b) Selection sort	
	a) miseruon sort	
	c) Heap sort	
S	5) In a circular linked list a) Components are all linked together in some sequential manner	
47	a) Components are all linked together in some of a b). There is no beginning and no end	
1.3	c) Components are arranged hierarchically	
	None of these	
00	d) None of these	A Supplied to the supplied to
(A) (S) (6) The smallest element of an arrays index is called as	
	b) Upper bound b) Upper bound	
	d) Extraction	
	C) Range	
	7) The quick sort algorithm exploits design technique.	•
5000	b) Dynamic progra	mming
	c) Divide and conquer d) Backtracking	
333		
300		
7. CO. N.	1	

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	8) A linear collection of data elements where t	he linear no	de is given by means o	f pointer is	No. J.
	called				
	•a) Linked list		Node list		11
	c) Primitive list	d)	All of these		17
	c) Primitive list	g = - 2 6-			
	Market & Co. L. Landaum on Comment			And apply to the	
	9) Quick sort is also known as	h)	Heap sort		3 30
	a) Merge sort		None of these		
	c) Bubble sort				
		nGy notatio	on to postfix notation		
	10) data structure is needed to convert i	h)	Queue		
	a) Branch		Stack		
	c) Tree	*a)	Stack		
	12 12 Car	Land Control			05
Q.2	a) Explain quick sort with algorithm.			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	05
Q	b) Explain arithmetic expression POLISH.	Morris S		1	05
		OR			10
	a) Explain different types of queue.				10
					05
Q.3	a) Explain header linked list in detail.				
Q. 5	b) Explain array representation of stack.				05
		OR			
	a) Explain representation of queue and links.	18 S. S. S. S.			10
	DAPIGIAL TOP TO SERVICE OF THE SERVI				
0.4	(a) Explain 2-D arrays in detail.	D. British Charles			05
Q,4					05
	b) Explain record representation in memory.	AD: "	auguo (r		
		OR	The state of the contract of t		10
	a) Explain with algorithm selection sort, merg	e sort.	**		10
		Station of the	ena havillion dolanen		10
Q.5	Write short note on (any two)				10
	a) Searching in unsorted linked list	W. M. Ja			1
	→ b) Deletion in array	31.5			
	(ac) M-D array				
	d) Searching in sorted linked list	c			
			The first hard statement		

2

SUBJECT CODE NO: D-4120 FACULTY OF SCIENCE

B.Sc.(Information Technology)F.Y (Sem-II) Examination March/April 2018
Numerical Computation Methods -IT206-T
(Revised)

[Time: 1:30 Hours]

[Max.Marks:50]

Please check whether you have got the right question paper.

N.B

i) Attempt all questions.

- ii) Illustrate your answer with suitable labelled diagram.
- Q.1 Fill in the blanks.

- 1) In Newton Raphson method for finding the real root of equation f(x) = 0, the value of x is given by -----
 - a) $x_0 \frac{F(x_0)}{F^1(x_0)}$
 - b) x₀
 - $c) \frac{F(x_0)}{F^1(x_0)}$
 - d) $F(x_0)$
- 2) The goal of forward elimination step in Native Gauss elimination method is to reduce coefficient matrix to an ----- matrix.
 - a) Diagonal matrix
 - b) Identity matrix
 - c) Lower triangular matrix
 - d) None of these
- 3) Which of the following Symbol is called forward difference operator?
 - a) A .
 - . p). ∆ .
 - c) 8
 - d) E

4)	The Newton Raphson method fails when a) $f^{1}(x)$ negative
	b) $f^1(x)$ is too large

- (x) is zero
- d) Never fails
- 5) In gauss elimination the given system of simultaneous equation is transformed into a) Lower triangular
 - b) Unit matrix
 - c) Transpose matrix
 - d) None of these
- 6) The method of inverse interpolation is
 - a) Iterative method
 - b) Lagrange's method
 - c) Successive method
 - d) All of these
- 7) Using Newton Raphson Method, find a root correct to three decimal places of the equation $x^3 - 3x - 5 = 0$
 - a) 2.275
 - b) 2.279
 - c) 2.222
 - d) 2.121
- .8) The root of $x^3 2x 5 = 0$ correct to three decimal places by using Newton Raphson method ----.
 - a) 2,9946
 - 1.0404
 - c) 1.7321
 - d) 0.7011
- 9) A root of the equation $x^3 x 11 = 0$ correct to four decimals using bisection method is
 - a) 2,3737.
 - by 2.3838 .
 - c) 2.3736
 - d) '3:2729
- 10) In general the ratio of truncational error to that of round off error is ---
 - a) 2:1
 - b) 1:1/

 - d) 1:3

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Q.2	a) Solve by using Bisection method $f(x) = x^3 - 9x + 1 = 0$ $x_0 = 0$ $x_1 = 1$	05
	b) Solve $A = \begin{bmatrix} 1 & 2 \\ 2 & 1 \end{bmatrix} \qquad B = \begin{bmatrix} 3 & 0 \\ 1 & 0 \end{bmatrix}$	0.5
	Compute 1) A+B 2) A-B 3) 5A-3B	
	OR	
	a) What is Numerical Method? Explain in detail Process of Numerical Computing.	10
Q.3	a) Explain in detail technique of Newton Gregory interpolation. b) Write an algorithm for Bisection method OR	05 05
	Solve by using Gauss elimination method $2x + 4y + z = 5$ $4x + 4y + 3z = 8$ $4x + 8y + z = 9$	10
Q.4	a) Lagrange's interpolation formula $x = 0$ from the following data points	05
	x -1 -2 2 4 y -1 -9 11 69	
	b) Solve by using false position method $f(x) = x \sin x - 3\cos x = 0$ $x_0 = 0.0 \qquad x_1 = 1.8 \qquad M.A.F. 0.0010$	05
	OR 202	7
,	a) Write an technique for Newton's Raphson Method with Proper example.	10
Q.5 ² 5	Short Note (any two) 1) Linear simultaneous equation 2) Chopping off and Rounding off error 3) Inverse of matrix	10