

Day & Date	Semester	Subject Name	Time	Code	Marks
Friday 29/03/2019	IV (Fresh)	Object Oriented Programming using C++	11.00 AM To 01.30 PM	4104	75

- Question No. 1 is compulsory I)
- Attempt any 4 questions from Question No.2 to Question No. 8
 Figure to right indicates full marks II)
- III)

Q1)	a) b) c) d) e)	Explain following terms Caller and callee EOF and BOF Built in and user define data types Friend #include <iostream.h></iostream.h>	15
Q2)	a) b)	Explain the basic concept of OOPS Explain Memory Management operator	10 5
Q3)	a) b)	Explain user define data types and write its syntax Differentiate between call by value and call by reference	10 5
Q4)	a)	What is difference between member functions defined inside and outside	5
	b)	the body of a class? List the ten rules for Operator Overloading Write a short note on this pointer	5
Q5)	a) b) c)	What is a class? Describe the syntax for declaring a class with examples Explain function prototyping. State the characteristics the static variables and static function	5 5 5
Q6)	a) b)	Explain how files can be opened and closed in C++. Explain constructor. List out its characteristics.	7
Q7)	a) b)	Explain the concept of default argument with example Write a short note on inheritance and its type	5 10
Q8)	a) b) c)	Write a program to implement multiple inheritance Write a program to implement multiple constructor Write a program to swap 2 number using reference variable	5 5 5

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Day & Date Semester	Subject Name	Time	Code	Marks
	D. J. Ol antimos and Eilo	11.00 AM		
Tuesday IV	Data Structures and File	То	4101	75
26/03/2019 (Fresh)	Organization	01.90 PM	The second second second	

	Instruction:
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Q.4

I) Question.	. 1 is compulsory
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- Attempt any 4 from Q.2 to Q.8 H)
- Figures to the right indicate full marks III)

a) What is Hashing? Explain Hashing Functions with example

a) Make expression tree and give all traversing orders for



(8)

		4			(
Q.1	Define the following terms				(15)
	a) Collision				
	b) Link List			ar mile	
emploister of the single	c) Dequeue	and my respect to the second of the second of	The state of the s		
	d) Binary Tree				
	e) Weighted Graph				
Q.2	a) What is Hashing? Explain Hashin	ng Function	s with example		(8)

1	b) Write a program for traversing	or an array	· •	(7)
	•			
Q.3	a) Explain Classification of data st	ructure	x	(8)
	b) Explain the following terms	Sturt		(7)
	i) Adjacency List	ii) Threaded Bi	inary Tree	

1	(a + b) * (c + d) / e + f - (g * h)	
	b) Write Shortest path algorithm	(7)
Q.5	_a) Write a program for operations on a Stack(PUSH and POP)	(8)
	b) Write an algorithm for DFS and explain with example	(7)
	was and the same of the same o	when the way to be the will be the work of
Q.6	a) Explain the following	(8)
	i) Direct Access File	

- ii) Indexed Sequential Files b) Sort the following elements with help of quick sort (7)14, 25, 6, 10, 50, 58, 47, 75, 18, 5
- Write an algorithm to convert infix to postfix and test your algorithm (15)Q.7 for following expression (A + B *C) / (D - E)

a) Write an algorithm of doubly link list (INSERT AND DELETE) **Q.8**

(8) b) Write Program for Sequential search and explain with example (7)

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Day & Date	Semester	Culting A Name			
	Ocinestei	Subject Name	Time	Code	Marks
Thursday 28/03/2019	IV Fresh	Introduction To Software Engineering	11.00 AM To 01.30 PM	4103	75

Instructions:

I) Question No. 1 is compulsory

II) Attempt any 4 questions from Question No.2 to Question No. 8

Q1.	a) b)	List & explain the different Software Applications Define Project Planning. Explain the resources that are required to build	[07]
	·	the software	[08]
Q2.	a)	What is Software Configuration Management? Explain the various steps	
	b)	in SCM.	[07]
	נט	Explain RAD model with diagram	[08]
Q3.	a)	Define Risk. What types of risks are likely to occur as the software is built?	[07]
	b)	Explain any one Decomposition technique for Cost estimation with example	[80]
Q4.	a)	Define Quality. What are the components of cost of quality?	[07]
	b)	How is Failure Analysis done?	[80]
Q5.	a)	Explain the COCOMO model of cost estimation	[07]
	b)	What makes a FAST meeting different from an ordinary meeting?	[08]
Q6.	a)	Explain how Risk Projection is done	[07]
	b)	Write short notes on: i) PERT ii) CPM	[08]
Q7.	a)	Define Software Engineering. Why is it a layered technology?	[07]
	b)	Define Cyclomatic Complexity. How is it computed?	[80]
Q8.	a) b)	Differentiate between White Box testing & Black Box Testing methods Write short notes on: i) Flowchart ii) Pseudocode	[07] [08]



Day & Date	Semester	Subject Name	Time	Code	Marks
Tuesday 26/03/2019	IV (Fresh)	Data Structures and File Organization	11.00 AM To 01.30 PM	4101	75

I) Question. 1 is compulsory
 II) Attempt any 4 from Q.2 to Q.8
 III) Figures to the right indicate full marks

Q.1	Define the following terms	(15)
	a) Collision	
	b) Link List	
	c) Dequeue	
	d) Binary Tree	
	e) Weighted Graph	
Q.2	a) What is Hashing? Explain Hashing Functions with example	(8)
	b) Write a program for traversing of an array	(7)
Q.3	a) Explain Classification of data structure	(8)
	b) Explain the following terms	(7)
	i) Adjacency List ii) Threaded Binary Tree	
Q.4	a) Make expression tree and give all traversing orders for	(8)
	(a + b) * (c + d) / e + f - (g * h)	
	b) Write Shortest path algorithm	(7)
Q.5	a) Write a program for operations on a Stack(PUSH and POP)	(8)
	b) Write an algorithm for DFS and explain with example	(7)
2.6	a) Explain the following	(8)
2.0	i) Direct Access File	
	ii) Indexed Sequential Files	
	b) Sort the following elements with help of quick sort	(7)
	14, 25, 6, 10, 50, 58, 47, 75, 18, 5	
	Write an algorithm to convert infix to postfix and test your algorithm	(15)
7	for following expression	
	(A + B *C) / (D - E)	
	a) Write an algorithm of doubly link list (INSERT AND DELETE)	(8)
8	a) Write an algorithm of doubly link list (literally and explain with example b) Write Program for Sequential search and explain with example	(7)

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Day & Date	Semester	Subject Name	Time	Code	Marks
Friday 29/03/2019	IV (Fresh)	Object Oriented Programming using C++	11.00 AM To 01.30 PM	4104	75

- I)
- Question No. 1 is compulsory Attempt any 4 questions from Question No.2 to Question No. 8 II)
- III) Figure to right indicates full marks

Q1)	a) b) c) d) e)	Explain following terms Caller and callee EOF and BOF Built in and user define data types Friend #include <iostream.h></iostream.h>	15
Q2)	a) b)	Explain the basic concept of OOPS Explain Memory Management operator	10 5
Q3)	a) b)	Explain user define data types and write its syntax Differentiate between call by value and call by reference	10 5
Q4)	a) b) c)	What is difference between member functions defined inside and outside the body of a class? List the ten rules for Operator Overloading Write a short note on this pointer	5 5
Q5)	a) b) c)	What is a class? Describe the syntax for declaring a class with examples Explain function prototyping. State the characteristics the static variables and static function	5 5 5
Q6)	a) b)	Explain how files can be opened and closed in C++. Explain constructor. List out its characteristics.	7 8
Q7)	a) b)	Explain the concept of default argument with example Write a short note on inheritance and its type	5 10
Q8)	a) b) c)	Write a program to implement multiple inheritance Write a program to implement multiple constructor Write a program to swap 2 number using reference variable	5 5 5



Day & Date	Semester	Subject Name	Time	Code	Marks
Thursday 28/03/2019	IV Fresh	Introduction To Software Engineering	11.00 AM To 01.30 PM	4103	75

I)	Question	No.	1 is	com	pulsory
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11)	Attempt any 4 questions	from Question	No.2 to Question	No. 8
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Q1.	a)	List & explain the different Software Applications	[07]		
	b)	Define Project Planning. Explain the resources that are required to build the software	[08]		
Q2.	a)	What is Software Configuration Management? Explain the various steps in SCM.	[07]		
	b)	Explain RAD model with diagram	[80]		
Q3.	a) b)	Define Risk. What types of risks are likely to occur as the software is built? Explain any one Decomposition technique for Cost estimation with example	[07] [08]		
Q4.	a) b)	Define Quality. What are the components of cost of quality? How is Failure Analysis done?	[07] [08]		
Q5.	a)	Explain the COCOMO model of cost estimation	[07]		
	b)	What makes a FAST meeting different from an ordinary meeting?	[08]		
Q6.	a) b)	Explain how Risk Projection is done Write short notes on:	[07] [08]		
Q7.	a) b)	 i) PERT ii) CPM / Define Software Engineering. Why is it a layered technology? Define Cyclomatic Complexity. How is it computed? 			
Q8.	a) b)	Differentiate between White Box testing & Black Box Testing methods Write short notes on: i) Flowchart ii) Pseudocode	[07] [08]		

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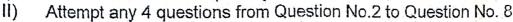
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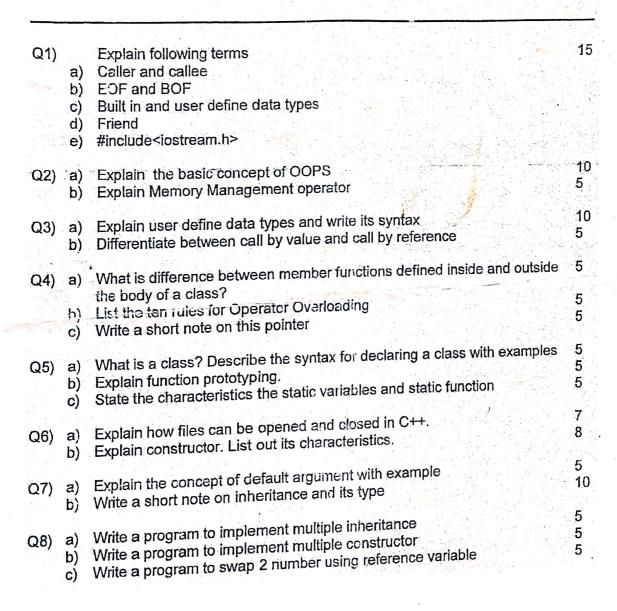
1	Day & Date	Semester	Subject Name	Time	Code	Marks
	Friday 29/03/2019	IV (Fresh)	Object Oriented Programming using C++	11.00 AM To 01.30 PM	4104	75

Instruction:

Question No. 1 is compulsory



III) Figure to right indicates full marks







Day & Dat					
Day & Date	Semester	Subject Name	Time	Code	Marks
Thursday 28/03/2019	IV Fresh	Introduction To Software Engineering	44.00	4103	75

- I) Question No. 1 is compulsory
- II) Attempt any 4 questions from Question No.2 to Question No. 8

Q	1. a)	List & explain the different Software Applications	[07]
	b)	Define Project Planning. Explain the resources that are required to build	
		the software	[08]
Q:	2. a)	What is Software Configuration Management? Explain the various steps	
		in SCM.	[07]
	b)	Explain RAD model with diagram	[08]
Q3	l. a)	Define Risk. What types of risks are likely to occur as the software is built?	[07]
	b)	Explain any one Decomposition technique for Cost estimation with example	[08]
Q4	. a)	Define Quality. What are the components of cost of quality?	[07]
	b)	How is Failure Analysis done?	[08]
Q5.	a)	Explain the COCOMO model of cost estimation	[07]
	b)	What makes a FAST meeting different from an ordinary meeting?	[80]
Q6.	a)	Explain how Risk Projection is done	[07]
	b)	Write short notes on:	[08]
	-,	i) PERT ii) CPM	
Q7.	a)	Define Software Engineering. Why is it a layered technology?	[07]
ų,	b)	Define Cyclomatic Complexity. How is it computed?	[80]
Q8.	a)	Differentiate between White Box testing & Black Box Testing methods	[07]
Qo.	b)	Write short notes on: i) Flowchart ii) Pseudocode	[80]
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Day & Date	Semester	Subject Name	Time	Code	Marks
Friday 29/03/2019	IV (Fresh)	Object Oriented Programming using C++	11.00 AM To 01.30 PM	4104	75

1)	Question N	No. 1 is compulsory	
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II) Attempt any 4 questions from Question No.2 to Question No. 8

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Q1	а	, and danied	15
	b d	Built in and user define data types Friend	
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	b) c)		5 5
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