JAIN COLLEGE 463/465, 18th Main Road, SS Royal, 80 Feet Road, Rajarajeshwari Nagar, Bangalore - 560 098

JG

Date:	/ /2018	SUBJECT: Computer Science
	II PUC	
Timin	MOCK PAPER – II (201 as Allowed: 3H 15Mins.	8) Total Marks70
	<u> </u>	
Ar	PART - A	10 X 1 - 10
	Which is the fastest memory?	10 A <u>1</u> – 10
1. 2	Mention the universal gates	
2.		
з. л		
	How to declare pointers?	
5.	What is normalization?	
0. 7	Expand ARPANET	
7. 8	What are backers?	
0. 0		
10	Expand XMI	
10.		
	PART - B	
Ar	nswer any five of the following	$5 X \underline{2} = 10$
11.	. Define tautology. Give example.	
12.	. Prove algebraically $X + X Y = X + Y$	
13.	. Define data hiding.	
14.	. What is a constructor? Give an example.	
15.	. Differentiate between get () and getline().	
16.	. Differentiate between generalization and specialization.	
17.	. List the different types of SQL commands.	
18.	. List the goals of networking.	
	PART - C	
Ar	nswer any five of the following	5 X <u>3</u> =15
19.	. Explain cache memory.	
20.	. Derive basic logic gates using NOR gate.	
21.	. Give the memory representation of 2-D array.	
22.	. Explain relationship between array and pointers with example.	
23.	. Explain types of files handled in C++.	
24.	. What are the roles of DBA?	
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- 25. Write short note on URL.
- 26. Explain table tag in HTML.

PART - D

Answer any seven of the following

27. Reduce using K-Map f(A,B,C,D) = ∑(5, 6, 7, 8, 10, 12, 13, 14)

28. Write an algorithm for insertion sort.

- 29. Write an algorithm to delete an element from an array.
- 30. Differentiate between Object Oriented programming and Procedural Oriented programming.
- 31. What are the characteristics of member function outside a class?
- 32. Define inline functions. Give advantages and disadvantages of inline function.
- 33. Define constructor. List the characteristics of a constructor.
- 34. How does inheritance influence the working of constructor and destructor?
- 35. Explain data independence in detail.
- 36. Explain SQL constraints with example.
- 37. Explain network securities in detail.

7 X <u>5</u> = 35