0501N1471

Candidate's Seat No:	
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Integ. M.Sc. (CSF) Sem.-1 Examination

DSC-C-ICSF-111

Fundamentals of ICT

January-2024

January-2024		
Time: 2	-00 Hours] [M	ax. Marks: 50
Ques.1	Answer the following questions:	
	Define Operating Systems and explain their characteristics.	5 Marks
ii.	Explain OSI Model in detail with a labelled diagram.	5 Marks
	OR	,
i.	What is DBMS? Explain the features of DBMS.	5 Marks
ii.	Differentiate between CLI vs. GUI operating systems.	5 Marks
Ques.2	Answer the following questions:	
i.	Explain in detail the types of Virtualizations.	5 Marks
ii.	What are System software and Application Software? Also, write five advantages disadvantages.	and 5 Marks
	OR	
i.	What is SQL and how does it work? Also describe need of the SQL.	5 Marks
ii.	Explain in detail the Classification of IP.	5 Marks
Ques.3	Answer the following questions:	
i.	Give 5 difference between RAM and ROM.	5 Marks
ii.	What is a hypervisor? Explain the classification in detail. OR	5 Marks
i.	Explain Client server architecture in detail.	5 Marks
ii.	Give detail comparison between freeware and shareware.	5 Marks
Oues 4	Answer the following questions:	,
i.	What is Virtual Memory and Swap Memory? List 5 difference of Virtual Memory a	and 6 Maules
1.	Swap Memory.	and 5 Marks
ii.	Explain TCP/IP Model in detail with well labelled diagram.	5 Marks
	OR	
i. ::	What is CPU Core? Explain the types of core processor in detail.	5 Marks
ii.	Explain Packet Encapsulation.	5 Marks
Ques.5	Attempt any ten out of twelve.	10 Marks
1.	What is SRAM and DRAM?	
2.	What is MTU and VoIP?	
3.	Give 2 advantages and disadvantages of DBMS.	
4.	Define open-source software and give one example.	
5.	What is NFV?	
6. 7	What is DHCP? And what it does?	
7. 8.	What is Router? What is RAID?	
0.	What is KAID!	

10. Give any 2 differences between hardware and software.11. What is Static and Dynamic IP?

9. Enlist the benefits of virtualization.

12. What is CPU? Mention its functionality.