



3 & K BOARD OF TECHNICAL EDUCATION							
Sen	nester: 5th	The state of the s					
Subject: Advance Data Base Management System  Scheme: New							
Tim	e: 3 Hrs	ssion:ND22	Scheme: New				
			M.M.: 100				
Note:- Attempt any five Questions. All Questions carry equal marks.							
Q1,	What do you understand by	DATA Indones I	marks.				
	What do you understand by DATA Independence? Briefly explain the concept of Normalization?						
Q2,	What do you understand by D	ata Modole 2 Funt : 2	(20)				
Q3.	by understand by	/ Distributed datal	(20)				
	types of distributed database	systems?					
Q4.	Explain:	- Joce inst	(20)				
	a) Data definition language	b) Scalar functions w	ith respect to DDI				
	c) Null values w.r.t DDL						
Q5.	What do you understand by Data Manipulation language? Explain the working						
	Of a join on and the state of t						
Q6.	Explain the concept of Trigger		(20) (20)				
Q7.							
	disadvantages of views?	Tride are	(20)				
Q8.	Explain the terms given below	with the help of examp					
	a) Try and Catch Statements	b) If Statement & W	hile Statement (20)				
Q9.	Explain:						
	a) Object Definition Language	b) Object Qu	iery language				
	c) Object Relational Systems	d) SQL3	(20)				
Q10.	What do you understand by						
	SQL server? Also explain steps		(20)				
	SQL SCIVELY, 1850 Explain Step.		(100)				

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## J & K BOARD OF TECHNICAL EDUCATION

Sem	ester: 5th	Branch: Computer	Engineering/IT		
Subj	ect: Java Programming		Scheme: New		
Time	2: 3 Hrs	Session: ND22	M.M.: 100		
Note	:- Attempt any five Quest	ions. All Questions carry equal marks			
Q1.	a) Briefly explain the feat	[10]			
	b) What is JVM and JIT? I	[10]			
Q2.	Explain the concept of control flow statements with the help of an example in				
	Java?		[20]		
Q3/	Briefly explain the conce	pt of Memory Management in Java?	[20]		
Q4.	Explain:		The state of the state of		
	a) Inheritance	b) Encapsulation			
	c) Polymorphism	d) Constructors	[20]		
Q5.	Briefly explain the conce	ept of Java Packages?	[20]		
Q6.	Briefly explain the conce	ept of Multi-Threading in Java?	[20]		
Q7.	What do you understand by Synchronization? Briefly explain the life cycle of a				
	thread?		[20]		
Q8.	What are exceptions? Briefly explain the concept of exception handling in				
	Java?		[20]		
Q9.	a) Draw a comparison be	[10]			
	b) What do you understa	and by command line arguments.	[10]		
Q10.	Explain the concept of JDBC (Java Data Base Connectivity)?		[20]		

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# J & K BOARD OF TECHNICAL EDUCATION

	Semester: 5 <sup>th</sup>	Branch: Compute	r Engineering Scheme: New			
	Subject: Computer Peripheral and Int	rerracing	M.M.: 100			
1	Time: 3 Hrs Sess	sion: ND22				
٨	lote:- Attempt any five Questions. A	All Questions carry equal marks.				
Q	1. Briefly explain the working of C		(20)			
Q	<ol><li>Point out the main difference Mention few advantages of rast</li></ol>	es between raster scan and ve ter scan and vector graphics?	ctor graphics?			
Q	3. What do you understand by pi CISC? Briefly explain?	pelining? What do you underst	(20)			
Q4	What do you understand by im the principle and working of ink	npact and non impact pointers? jet printer?	Briefly explain (20)			
Q5	What do you understand by SM	PS? Briefly explain?	(20)			
Q6	. What is BIOS? Explain various fu	inctions of BIOS?	(20)			
Q7.	Explain:					
	a) Digital Camera	Web Camera	(20)			
Q8.	What do you understand by Mer	mory Hierarchy? Briefly explain?	(20)			
Q9.	Explain:					
	a) EIDE	b) SATA				
	c) SCSI	d) SAS	(20)			
10. Explain:						
	a) Cache Memory	b) Virtual Memory	(20)			

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**Branch: Computer Engineering** Semester: 5th Scheme: New Subject: Wireless Communication (Elective-I) M.M.: 100 Session: ND22 Note:- Attempt any five Questions. All Questions carry equal marks Q1. Explain: (20)b) EDGE Technology a) Paging Systems Q2. Explain: (20)a) Frequency Reuse b) Handoff Strategies Q3. Explain: (20)a) FDMA b) TDMA What do you understand by Amplitude modulation, angle modulation, digital Q4. (20) modulation? Explain? Q5., Briefly explain the fundamentals of Channel Coding? (20)Briefly explain the differences between wireless and fixed telephone Q6. (20)networks? (20)Briefly explain ISDN in Wireless Networking? Q7/ **Q8** Briefly explain GSM architecture? (20)Briefly explain the concept of CDMA digital cellular standard in wireless Q9. (20)systems? Q10. Explain: (20)b) UMTS a) Bluetooth

### 1607-22N5-18248. RND225SCE/IT & K BOARD OF TECHNICAL EDUCATION Semester: 5th Subject: Internet and Web Technologies Branch: Computer Engineering/IT Time: 3 Hrs Scheme: New Session: ND22 M.M.: 100 Note: - Attempt any five Questions. All Questions carry equal marks Q1. Explain: a) E-mail b) FTP (20)Q2. Explain: a) ISDN b) RF Link (20) Q3. Explain: a) Proxy Servers b) Search Engines c) URL d) Hyper Links (20) Q4. Explain SSL in detail? (20) What do you understand by firewall? What are the types of firewall? Explain? Q5. (20)Q6. Explain: a) Image map b) Image files c) Style sheet d) Frames (20)What do you understand by Server-Side Scripting? Explain briefly? (20) Q7. What do you understand by dream weaver? Explain its basic features? Q8. (20)What do you understand by Document Object Model (DOM)? Explain? Q9. (20) Q10. Explain with the help of a suitable diagram the process of encryptions and decryption? (20)