Paper Code: BCA-302

Time: 3 Hours

Maximum Marks: 75

END TERM EXAMINATION

SIXTH SEMESTER [BCA] MAY 2019
Subject: Data Warehouse and Data Mining

Note: Attempt any five questions including Q.no.1 which is compulsory.

1	Answer the following questions in brief (Any Ten):	(2.5x10=25)		
	(a) Explain the steps involved in data mining when viewed as a process of knowledge discovery.(b) What is Data Ware housing and why is it important for decision support?			
	(c) Write the names of the data bases and information repositories of mining can be performed.(d) What do you mean by association rule mining?	on which data		
	(e) Explain back propagation.			
	(f) How to evaluate the accuracy of a classifier?(g) What can we do to secure the privacy of individuals while collecting data?	ng and mining		
	(h) Define support and confidence.(i) Define Lazy Learners			
	(i) Explain Star schema and compare it with snow-flakes schema (k) Differentiate between supervised and unsupervised learning			
	UNIT-I			
Q2	(a) Explain in detail the three data models used in Data Warehouse.(b) Discuss Data integration and Data transformation in detail.	(6) (6.5)		
Q3	(a) What is the difference between three main types of Data War information processing, analytical processing and data mining?	(-)		
	(b) Discuss the issues and benefits of data mining.	(6.5)		
	UNIT-II	il with suitable		
Q4	(a) Explain the 2-tier and 3-tier data warehouse architectures in detail	(6)		
	examples. (b) What is the difference between OLAP and OLTP?	(6.5)		
Q5	(a) Explain single-dimensional and multi-dimensional association	rules through		
20	confidence-support framework using a suitable example. (b) Explain Apriori algorithm of association rule mining.	(6.5)		
	UNIT-III	lain the maio		
Q6	(a) What is the difference between classification and clustering? Exp			
	ideas of naïve Bayesian classification. (b) Explain the co-relation analysis with suitable example.	(6.5		
07	(a) What is classification by back propagation? Discuss the steps of back	ack propagation		
Q7	algorithm. (b) What are requirements of clustering? List major clustering methods	with example. (
	IINIT-IV	(5x2.5=12.5		
Q8	Discuss the applications of data mining in the following:			
	(a) Retail industry (b) Telecommunication Industry			
	(c) Biological Data Analysis			
	(d) Social Network analysis (e) Information package			
	1			
Q9	(a) Write the steps to mine spatial and multimedia databases (b) Explain difference between Temporal Databases and Sequential data	abases. (6.		

END TERM EXAMINATION

	r Coae: BCA-304	[BCA] APRIL - MAY 2019 Subject: Mobile Computing
Time	e: 3 Hours	Maximum Marks: 75
	Note: Attempt five question	s in all including Q no. 1 which is
	compulsory. Select of	ne question from each unit.
Q1	Answer the following:- (a) Explain Radio Transmission.	(2.5×10=25)
	(b) Explain Signal and Multipath(c) What is Cellular System?	Propagation.
	(d) What is Spread Spectrum?(e) Explain near and far terminal	s.
	(f) What is GSM & CDMA?(g) How is Data Routing done in(h) Difference between WAP & W	GPRS? Explain.
	(i) Difference between meta prag	
		UNIT-I
Q2	What is Multiplexing? Explain various types of Multiplexing technique used in Mobile Computing. (12.5)	
Q3	What is modulation? Explain various types of Modulation and Shifting Keyin which is used in Modulation. (12.5)	
		UNIT-II
Q4		us types of Aloha with suitable diagram. (6) architecture with suitable diagram. (6.5)
Q5	(a) What is Satellite Communica (b) Explain ISMA, PRMA and FD	
		UNIT-III
Q6	(a) Explain WML task and its typ(b) Write a program to set image	bes with suitable example. (6) and hyperlink using WML script. (6.5)
Q7	(a) What is Deck and Card? How (b) Create a page using WML Scr	to use card explain with suitable example?(6.5) ript:
		Fields
	Enter Following Ir Name:	nformation:
	Age :	
	Sex:	

UNIT-IV

- Q8 How many types of operator used in WML Script? Explain all with suitable example. (12.5)
- Q9 (a) Write a program for addition of two number using function in WML Script.(6.5) (b) What are the challenges and pitfalls in making the internet mobile? (6)

END TERM EXAMINATION

SIXTH SEMESTER [BCA] APRIL-MAY 2019

	SIXTH SEMESTER [BCA] APRIL-MAY 2019					
Paper Code: BCA-306 Subject: Linux British						
		Maximum Mar	ks:75			
Time:	3 Ho	urs tempt five questions in all including question no.1 which	ı is			
No	te: At	tempt five questions in all including questions				
		computations.				
		(2.5X	10=25)			
Q1		er the following (any ten):- Difference between info and man command. Difference between info and man command in Linux.				
	(a)	Difference between whoami, w and who command in Linux.				
		Explain vi editor with mode.				
	(c) (d)	Difference between mount & umount				
	(e)	How to use environment variable in Linux?				
	(f)	What is run level?				
	(g)					
	(h)	Which command is used to remove duplicate				
	(i)	Difference between Hard Link and Soft and filters? Give two examples of ea	ch.			
	(j)	What is the difference between pipes and interest. Show the "grep" command and its working using example. Show the "grep" command in unix which is named after T splitter used in pl	umhing			
	(k)	Show the "grep" command and its working using example. There is one command in unix which is named after T splitter used in pl There is one command and discuss its utility. Is there any similarity in	function			
	(1)	There is one command in unix which is named after I splitter used in particle is one command and discuss its utility. Is there any similarity in				
		with plumbing?				
		UNIT-I				
			(6.5)			
		Difference between ext2, ext3 and ext4 file systems.	(6)			
Q2	(a)	Explain Linux Directory Structure with suitable diagram.	(0)			
	(b)	Explain Entux Brooks	(12.5)			
Q3	Expl	ain in details the Linux file systems architecture with suitable diagram.				
QU		UNIT-II				
		the permission of file & directory?	(6)			
Q4	(a)	Explain files security. How to change the permission of file & directory? What is archive? How to compress any file of directory using archives con	mmand?			
	(b)	What is archive? How to compress any me of different states of the state of the sta	(6.5)			
			ission of			
05	(0)	How to set default permissions in Linux? It is possible to change perm	(6)			
Q5	(a)	super user in Linux.	(6.5)			
	(b)	What is Inode? Explain with suitable diagram.	(0.0)			
	(5)	UNIT-III				
			ale			
Q6	How	to use special permission in Linux? Explain its types with suitable examp	(12.5)			
Qu.	12011					
		and Commended	(12.5)			
Q7		ain the following Commands: tail (b)tr (c) wc (d) diff (e) Sort (f) aspell (g) uniq (h) sed (i) sut (j) awk				
	(a)	tall (b)tr (c) we (a) and (c) bore (c) ser-				
		UNIT-IV				
00	(0)	What is System call? Explain any five system calls which are used in Lin	nux. (6.5			
Q8	(a) (b)	What is process state? Explain its types.	(6			
QU	(5)					
Qu		list in Linux? Cunnoge if you want to	harre 11			
Q9	(a)	How to show current process list in Linux? Suppose if you want to c	hange th			
	(a) (b)	How to show current process list in Linux? Suppose if you want to compriority of any process, how to change it. Explain Linux Kernel & Debugger.	hange th (6.5			

END TERM EXAMINATION

SIXTH SEMESTER [BCA] APRIL-MAY 2019

Paper Code: BCA-308 Subject:

Subject: Multimedia and its Applications

Time: 3 Hours

Maximum Marks:75

Note: Attempt five questions in all including question no. 1 which is compulsory.

01 Answer any five the following:-(5x5=25)Explain how multimedia is different from graphics. (b) Give various application of multimedia. (c) Differentiate between temporal and non temporal. (d) Explain the concept of Virtual Reality. (e) Differentiate between HTNL and XML (f) What do you understand by the term data compression? Q2 (a) What are the various multimedia components that are to be standardized? Give a detail description about introduction to multimedia. (b) What is Multimedia Authoring? Enlist some useful editing and authoring tools. Q3 (a) Discuss in detail about the basic multimedia skills with appropriate examples. Describe in detail multimedia output devices. (6.5)(b) Explain the building blocks of multimedia. Describe in detail any five multimedia input devices. Explain various devices in 04 (a) multimedia Hardware. Explain any two data compression techniques in detail. Differentiate between (b) Lossless Compression Algorithm and Lossy Compression Algorithms. Distinguish between interactive and non interactive multimedia. How to make 05 (a) instant multimedia. Differentiate between Linear Presentation and Non-Liner Interactive types of multimedia presentation. Discuss the steps required for assembling and delivering a multimedia project. (6.5) (b) Discuss in detail, different stages of a multimedia project and explain the Q6 (a) (6.5)requirement to make good multimedia. Describe the evolution of multimedia and storage devices. (6) (b) Explain how digital communication is helping in advancement of multimedia. (6.5) (a) Q7 What are the advantages of multimedia conferencing? (b) Differentiate between Multimedia, Hypertext and Hypermedia. Differentiate between Internal link and External link. What is Sprite animation?(6) (a) Q8 (b)