Hall Ticket Number :					

Code: 19A55IT

R-19

III B.Tech. I Semester Regular Examinations February 2022

### **Cloud Computing**

(Computer Science & Engineering)

Max. Marks: 70 Time: 3 Hours

Answer any five full questions by choosing one question from each unit (5x14 = 70 Marks)

\*\*\*\*\*\*\*\*

		******			
			Marks	СО	Blooms Level
		UNIT-I			
1.	a)	Define Network centric computing and network centric content.	6M	CO1	L1
	b)	What are the various types of services provided by the cloud computing?	8M	CO1	L1
	,	OR			
2.	a)	Compare Network centric computing and network centric content.	6M	CO1	L2
	b)	Write short note on Microsoft Azure cloud infrastructure.	8M	CO1	L2
		UNIT-II			
3.	a)	Bring out the differences between original Map Reduce model and Map			
		Reduce line frameworks.	8M	CO2	L4
	b)	Discuss the cloud computing applications and paradigms in brief.	6M	CO2	L2
4	- \	OR			
4.	a)	What is Map Reduce programming model? Describe the kinds of problems that MapReduce can solve.	8M	CO2	1.4
	h)	Discuss the role of state machine model for coordination in cloud.	6M		L1
	b)	UNIT-III	OIVI	CO2	L2
_	٠,١		71.4		
5.	a)	Explain the different levels of virtualization implementation	7M	CO3	L2
	b)	Explain virtual machine monitors. What are the characteristics of virtualized environment?	7M	CO3	L2
		OR			
6.	a)	Explain vBlades paravirtualization in x86-64 Itanium processor.	7M	CO3	L2
	b)	Give the difference between CPU virtualization and			
	,	memory virtualization	7M	CO3	L4
		UNIT-IV			
7.	a)	Explain how big tables are stored on a distributed file systems such as GFS.	7M	CO4	L2
	b)	Explain the stability of a two level resource allocation architecture in cloud			
	,	resource management.	7M	CO4	L2
		OR			
8.		Discuss the role of Coordination of specialized autonomic performance			L2
		managers in cloud computing	14M	CO4	
		UNIT-V			
9.	a)	Discuss the risk factors of network level of cloud infrastructure.	7M	CO5	L2
	b)	What is AWS? What type of service does it provide?	7M	CO5	L1
		OR			
10.	a)	What are EC2 instances? State the types of EC2 instance. How it works?	7M	CO5	L1
	b)	Describe in brief 'Operating System Security'.	7M	CO5	L1
		****END****			

Hall Ticket Number :						

Code: 19A552T

R-19

III B.Tech. I Semester Regular Examinations Jan/Feb 2022

# **Computer Networks**

(Computer Science & Engineering)

Max. Marks: 70

Time: 3 Hours

Answer any five full questions by choosing one question from each unit (5x14 = 70 Marks)

\*\*\*\*\*

		******			
			Marks	СО	Blooms Level
		UNIT-I			
1.	a)	Discuss about OSI Model with neat sketch.	7M	CO1	L2
	b)	Describe the Transmission Media. What are the types of Transmission Media?	7M	CO1	L2
		OR			
2.	a)	What is Internet? List out the applications of Internet.	7M	CO1	L1
	b)	Illustrate TCP/IP reference model with a neat diagram.	7M	CO1	L4
	,				
		UNIT-II			
3.	a)	Calculate Error detecting using CRC codes with an example.	7M	CO2	L3
	b)	Describe the Selective Repeat Automatic Repeat Request.	7M	CO2	L2
		OR			
4.		Discuss about Framing and Transition phases in Point to Point Protocol.	14M	CO2	L2
		UNIT-III			
5.	a)	Analyze the transition from IPV4 to IPV6.	7M	CO3	L4
	b)	Demonstrate Link State Routing algorithm with suitable example.	7M	CO3	L3
		OR			
6.	a)	Distinguish the Classful and Classless addressing with an example.	7M	CO3	L2
	b)	Explain in detail about IGMP Operation.	7M	CO3	L2
		UNIT-IV			
7.		Discuss in detail about the TCP connection-oriented transmission phases.	7M	CO4	L2
		OR			
8.		Analyze the Scheduling and Traffic Shaping techniques to improve QoS.	14M	CO4	L4
		UNIT-V			
9.	a)	Explain about in Name Servers in DNS.	7M	CO5	L2
	b)	Draw the Architecture of the email system, services and explain.	7M	CO5	L4
		OR			
10.	a)	What is HTTP? Describe about HTTP request methods.	7M	CO5	L2
	b)	Explain in detail about Multipurpose Internet Mail Extensions.	7M	CO5	L2
		****END****			

	Hall Ticket Number :						R-19	
(	Code: 19A55CT						K-17	

III B.Tech. I Semester Regular Examinations February 2022

		Cryptography and Network Security			
		(Computer Science and Engineering)			
		x. Marks: 70 Tin	ne: 3 H		
	Ans	wer any five full questions by choosing one question from each unit (5x14 = ***********************************	= 70 Mc	arks )	
			Marks	СО	Blooms
		UNIT-I			Level
1.	a)	Denial-of-service is a threat on which data property and why?			
١.	a)	Justify your answer.	7M	1	2
	h)	• •	/ IVI		
	b)	Is an attack tree a threat model? If yes, elaborate your answer	7M	1	3
		with suitable diagram and examples.	/ IVI	ı	3
		OR			
2.	a)	State differences between Information access threats and			
		Service threats.	7M	1	1
	b)	Discuss the role of security services and mechanism. Also			
		define the relation between services and mechanisms.	7M	1	2
		UNIT-II			
3.	a)	Modern symmetric block ciphers are designed on the principle of spreading (widening) the non-linearity introduced by an S-Box. Which component (operation) in the AES Cipher achieves this principle? Describe the working of this component and how does it propagate the non-linearity?	7M	2	4
	b)	Consider a Diffie-Hellman Scheme vith a common prime $q = 11$ and a primitive root $p = 3$ .		_	·
		i. If user Alice has a public key $Y_A = 7$ , what is Alice's private key $X_A$ ?			
		ii. If user Bob has public key $Y_B = 9$ , what is shared secret key			
		K?	7M	2	3
		OR			
4.	a)	Describe RSA algorithm steps.	7M	2	4
	b)	Perform encryption and decryption using the RSA algorithm			
	υ,	for the following: P=3; q=11; e=7; M=5.	7M	2	4
		UNIT-III			
5.	a)	Compare the hashing algorithms SHA1, and SHA-512 on the parameters of Maximum allowed message size, Block size,			
		Message digest size, Number of rounds in the hashing algorithm, and Word size.	7M	3	1

Code: 19A55CT

	b)	Explain in detail about the two way challenge response and three way challenge response for entity authentication with symmetrical algorithm.	7M	3	2
		OR			
6.	a)	Discuss the requirements for message authentication codes	7M	3	3
	b)	What are the deficiencies of Kerberos V4.	7M	3	2
		UNIT-IV			
7.	a)	For SSH packets, what is the advantage, if any, of not including the MAC in the scope of the packet encryption?	7M	4	2
	b)	Give reasons why each of the following symmetric encryption algorithms is suitable or unsuitable for PGP: DES, two-key triple DES, and AES	7M	4	2
		triple DES, and AES.  OR	/ IVI	4	2
0	-1				
8.	a)	In the PGP scheme, what is the expected number of session keys generated before a previously created key is produced?	7M	4	2
	b)	Is it possible in SSL for the receiver to reorder SSL record			
		blocks that arrive out of order? If so, explain how it can be done. If not, why not?	7M	4	1
		UNIT-V			
9.	a)	Explain about Host based Intrusion Detection Systems in			
	,	brief.	7M	5	1
	b)	Briefly explain Encapsulating IP Security Payload?	7M	5	1
		OR			
10.	a)	Describe the architecture of IPSec.	7M	5	2
	b)	Explain Anomaly-primarily based Intrusion Detection			
		System?	7M	5	2
		***END***			

Hall Ticket Number :						
						1

Code: 19A553T

Max. Marks: 70

R-19

Time: 3 Hours

III B.Tech. I Semester Regular Examinations February 2022

# Data Warehousing and Data Mining

(Computer Science and Engineering)

		swer any <i>five full</i> questions by choosing one question from each unit ( $5 \times 14$ )	= <b>70M</b>		3
		*****	Marks	СО	Blooms Level
		UNIT-I			
1.	a)	Write a short note on Data Cleaning, Data Integration and Transformation	014		
		as a part of Preprocessing the Data.	9M	CO1	L2
	b)	Explain about Data Reduction with suitable example.	5M	CO1	L1,L2
•	,	OR	01.4		
2.	a)	Describe about Major issues in Data Mining.	6M		L1,L2
	b)	Explain about Fundamentals of data mining and Data Mining Functionalities.  UNIT-II	8M	CO1	L2
3.	a)	Briefly discuss about Data Warehouse and OLAP Technology for Data			
		Warehouse.	7M	CO2	L1
	b)	Analyze about Multidimensional Data Model with neat diagram.	7M	CO2	L2
		OR			
4.	a)	Explain about Data Warehouse Architecture.	7M	CO2	L2
	b)	Discuss about From Association Mining to Correlation Analysis.			
		UNIT-III	7M	CO2	L4
5.	a)	What are the issues Regarding Classification and Prediction?	7M	CO3	L1,L2
	b)	Explain the role of attribute subset selection measure used in decision tree?	7M	CO3	L2
		OR			
6.	a)	Interpret about Classification by Bayesian Classification with appropriate			
		example.	7M	CO3	L3
	b)	Explain about Prediction and Classifier Accuracy measures.  UNIT-IV	7M	CO3	L2
7.	a)	Briefly discuss about types of Data in Cluster Analysis and Major			
		Clustering Methods.	8M	CO4	L2,L3
	b)	Discuss about Partitioning Methods.	6M	CO4	L2
		OR			
8.	a)	Explain Model-Based Clustering Method with example.	7M	CO4	L2
	b)	Write a short note on Outlier Analysis Method.	7M	CO4	L2
		UNIT-V			
9.	a)	Describe Mining the World Wide Web with appropriate illustration.	7M	CO5	L2,L3
	b)	What is Mining Spatial Databases and explain it with example.	7M	CO5	L2,L3
		OR			
10.	a)	Explain Data Mining Applications with appropriate illustrations.	7M	CO5	L2,L3
	b)	Differentiate between Mining Multimedia Databases and Mining Text Databases.	7M	CO5	L2
		***END***			

Hall Ticket Number :					
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Code: 19A55GT

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III B.Tech. I Semester Regular Examinations February 2022

#### **Linux Programming**

(Computer Science and Engineering)

Time: 3 Hours Max. Marks: 70 Answer any five full questions by choosing one question from each unit (5x14 = 70 Marks) **Blooms** Marks CO Level **UNIT-I** Describe the issues with creating, copying, moving and deleting the directory file in a) Linux with examples. 7M CO<sub>1</sub> L2 b) Illustrate the file filter commands with examples 7M CO<sub>1</sub> L2 OR 2. a) Explain a linux command to find the sum of bytes (size of file) of all files in a directory. 7M CO<sub>1</sub> L2 b) Describe an awk script to find the number of characters, words and lines in a file. 7M CO<sub>1</sub> L2 **UNIT-II** Outline different directory functions to perform create, update, modify and remove, a) close, rewind with example 7M CO<sub>2</sub> L3 Differentiate symbolic link instead of a hard link. 7M CO<sub>2</sub> L5 Describe about Low Level File I/O System Calls. 7M 4. a) CO<sub>2</sub> L2 b) Compare usage of dup(), dup2() system calls with example? 7M CO<sub>2</sub> L3 **UNIT-III** 5. Illustrate about child process creation using fork(), vfork() and Exec() a) CO<sub>3</sub> L3 Solve a problem to find sum of odd numbers by child process and sum of even numbers by parent processes of given range numbers using fork function. 7M CO<sub>3</sub> L3 a) What Is A Daemon? and Describe Some of the most common daemons 7M 6. CO<sub>3</sub> L1 Write a program to create a child process and get the processed of child and parent 7M CO<sub>3</sub> **UNIT-IV** 7. Define Semaphore? Write about Semaphore system calls? 7M a) CO<sub>4</sub> L1 Summarize file locking mechanism with Semaphores? 7M CO<sub>4</sub> L2 OR 8. a) Explain the following functions with syntax: (ii) read() (iii) open() (iv) fstat() (i) stat() 7M CO<sub>4</sub> L2 b) Explain about memory management functions malloc(), calloc(), realloc(), free() with suitable example. 7M CO<sub>4</sub> L2 **UNIT-V** a) Define Shared memory? Write about Shared memory system calls? 9. 7M CO<sub>5</sub> L2 b) Draw the structure of TCP/IP for exchange information between client and server. 7M CO<sub>5</sub> L3 OR 10. Demonstrate client and server programming using UDP protocol with Neat a) diagram? 7M CO<sub>5</sub> L3 Illustrate about Semaphores with examples? b) 7M CO<sub>5</sub> L3

\*\*\*END\*\*\*

Hall Ticket Number :					

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Code: 19A55LT III B.Tech. I Semester Regular Examinations February 2022

R Programming

		( Computer Science and Engineering )			
	Ma	,	ime: 3	Hour	S
	An	swer any five full questions by choosing one question from each unit (5 x 14	= <b>70M</b>	arks)	
			Marks	СО	Blooms Level
		UNIT-I			
1.	a)	Explain the history and features of R	7M	CO1	L2
	b)	Demonstrate the Help functions in R with example code	7M	CO1	L3
		OR			
2.	a)	Discuss about NA and NULL values in R with examples.	6M	CO1	L4
	b)	Write a R program to create a vector of a specified type and length	8M	CO1	L1
		UNIT-II			
3.	a)	Compare and contrast Matrices, Arrays and Lists	6M	CO2	L5
	b)	Write R program to create two 2x3 matrix and add, subtract, multiply and divide the matrixes.	8M	CO2	L1
		OR		00-	
4.	a)	Explain the General list operations in R with example code.	7M	CO2	L2
	b)	Describe about Factors and Tables		CO2	 L2
	-,	UNIT-III		-	
5.	a)	Explain data frame, create data frame of student details and display			
		summary of data in data frame	7M	CO3	L2
	b)	Write a R program for Recursion	7M	CO3	L1
		OR			
6.	a)	Write a R program to extract specific column from a data frame using column	014		
		name	8M	CO3	L1
	b)	Explain Environment and Scope issues	6M	CO3	L2
		UNIT-IV			
7.	a)	Explain in detail about S4 Classes	7M	CO4	L2
	b)	Explain how to manage your objects	7M	CO4	L2
		OR			
8.	a)	Explain about Input/output operations	6M	CO4	L2
	b)	Write R program for creating three-dimensional plots	8M	CO4	L1
9.		UNIT-V  Explain in detail various types of creating Graphics in R with suitable			
		examples	14M	CO5	L2
		OR			
10.	a)	Explain in detail interfacing R to other languages.	8M	CO5	L2
	b)	Explain the steps to calling R from Python.	6M	CO5	L1
		***END***			

Hall Ticket Number :					

Code: 19A55HT

III B.Tech. I Semester Regular Examinations February 2022

# **Software Project Management**

(Computer Science and Engineering)

Max. Marks: 70 Time: 3 Hours

Answer any five full questions by choosing one question from each unit (5x14 = 70 Marks)

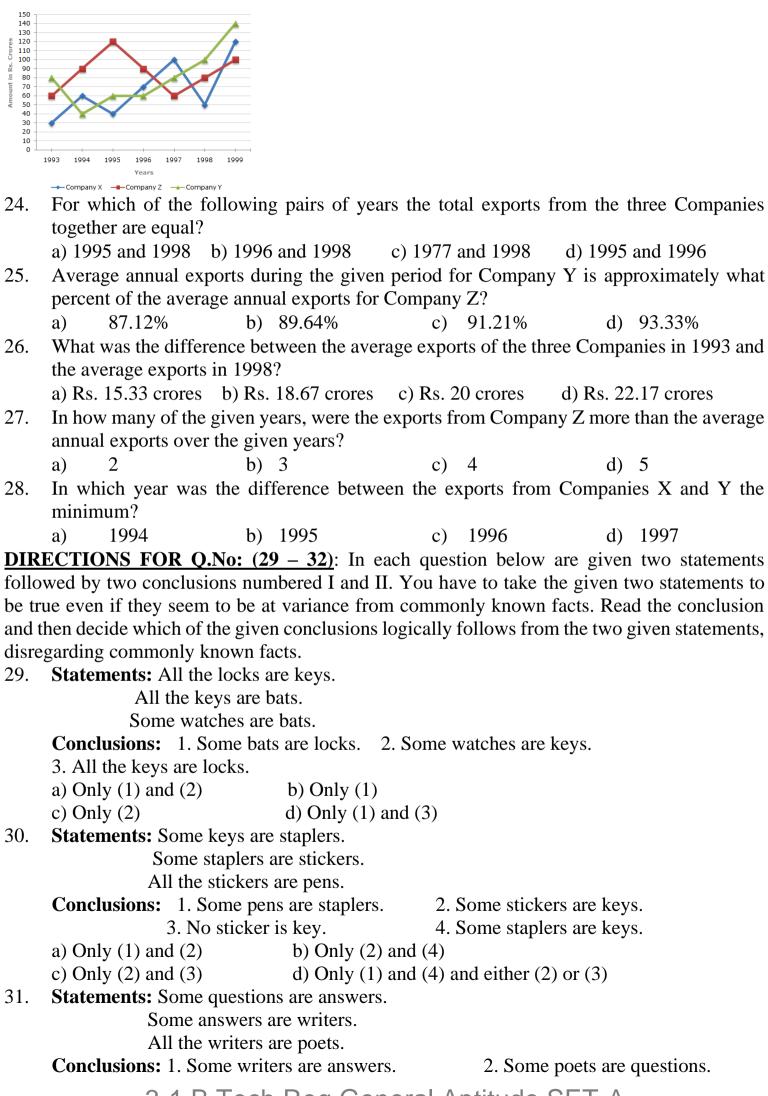
			Marks	СО	Blooms Level
		UNIT-I			
1.	a)	Discuss about conventional software management performance?	7M	CO1	L2
	b)	Explain pragmatic software cost estimation with necessary examples?	7M	CO1	L2
		OR			
2.	a)	Write about three levels of process and their attributes.	6M	CO1	L1
	b)	List and explain any four Staffing principles offered by Boehm for improving team effectiveness	8M	CO1	L1,L2
_		UNIT-II			
3.		List and explain the 10 principles of modern software management?	14M	CO2	L1,L2
		OR			
4.	a)	Explain the various phases of life cycle process?	6M	CO2	L2
	b)	Explain about Release Specification and Software development plan in management artifacts?	8M	C02	L2
		UNIT-III			
5.		State out the different aspects of architecture from management perspective?	14M	CO3	L2
		OR			
6.		Discuss on typical minor milestones in the life cycle of an iteration with a neat diagram?	14M	CO3	L2
		UNIT-IV			
7.	a)	Differentiate the conventional and Evolutionary WBS approaches.	10M	CO4	L4
	b)	Explain about Top-Down Cost and Schedule estimating process.	4M	CO4	L2
		OR			
8.		Explain in detail on default roles in a software-line-of business organization with a diagram	14M	CO4	L2
		UNIT-V			
9.		With a neat table, Explain seven core metrics used to manage projects and organization with their purpose and perspectives?	14M	CO5	L2
		OR			
10.	a)	Discuss about the culture shifts in modern process transitions?	8M	CO5	L2
	b)	Explain about the nine best practices for software process framework.	6M	CO5	L2
		ΨΨΨ=x+ΦΨΨΨ			

\*\*\*END\*\*\*

R-19

III B.Tech. I Semester CE, ME & CSE Regular End Examination  19AC51L-General Aptitude  Roll No.  SET-A	J
19AC51L-General Aptitude Roll No.	
Date: 17-02-2022	
Choose the correct Answer. $100 \times 1 = 100 \text{ Marks}$	
1. Two taps A and B can fill a tank in 4 hrs. and 5 hrs respectively. If both the pipe opened simultaneously. How much time will be taken to fill the tank?  a) 2 2/9hrs  b) 3 ½  c) 2 ½  d) 5 ½	es are
2. A Certain number when divided by 95 leaves a remainder 30. What is the remainder	ler if
the same number be divided by 19?	
a) 8 b) 9 c) 10 d) 11	
3. With what least number should 1250 be multiplied to make it a perfect cube?	
a) 5 b) 10 c) 25 d) 100	
4. Which three numbers in the ratio 3:2:5 have the sum of their squares as 1862?	
a) 30, 20, 50 b) 21, 14, 35 c) 18, 21, 30 d) 24, 16, 40	
5. Find the smallest number which when divided by 24, 36, & 60 leaves 20, 32, &	56 as
remainders respectively?	00 <b>u</b> s
a) 256 b) 356 c) 456 d) 556	
6. If a merchant estimates his loss as 25% on the S.P, what is his actual loss %?	
a) same b) 20% c) 15% d) 30%	
7. The cost price of 4 articles is equal to the selling price of 5 articles. Find the profit of	r loss
percentage.	1 1050
a) 20% loss b) 25 % loss c) 25% profit d) 33.33% prof	it
8. On selling for Rs.600 a man looses 25%, at what price should it be sold to gain 25%	
a) 800 b) 900 c) 1000 d) 1200	•
9. One man and four boys can do a work in 26 days and two men and two boys can do	the
same work in 16 days. A man is how many times efficient than a boy?	tiic
a) 1.5 b) 4.6 c) 8 d) 12	
10. 2 men can dig a 2 m canal in 2 days. Then 8 men can dig 8 m canal in how many days.	ws?
a) 1 b) 2 c) 4 d) 8	.ys.
11. The average age of an adult class is 40 years. Twelve new students with an average	e 206
32 years join the Class, thereby decreasing the average of the class by 4 years. The or	_
strength of the class was	Sima
a) 10 b) 11 c) 12 d) 15	
12. The Average of 13 results is 68. The average of first 7 is 63 and that of the last7	is 70
What is the seventh result?	
a) 27 b) 37 c) 47 d) 57	
13. Anita can type a 3200 pages typing job in 10 days, while Beena can type 1600 page	s in 5
days. If both work together, in how many days can they complete a 1920 pages t	
job?	/ F C
a) 3 b) 4 c) 5 d) 6	
14. Pipe A can fill a tank in 6 hrs. Due to a leak in the bottom, it takes 8 hrs to fill the ta	nk. It
pipe A can fill the tank at the rate of 6 lts/minute, find the capacity of the tank.	
a) 1080 b) 2160 c) 3200 d) 4210	

15.	after	opulation of bac one hour from no from now?			-				
	a)	1875	b)	1700	c)	1500	d)	1660	
16.	A per	son crosses a 60	0 m l	ong street in 5 n	ninutes.	What is his	speed in	km per ho	ur?
	a)	3.6	b)	7.2	c)	8.4	d)	10	
17.	Éxclu	ding stoppages t	he sp	eed of a bus is 5	4 kmph	and including	ng stoppa	ges it is 45	kmph
		ow many minute	-		-		<i>C</i> 11	0	1
	a)	9		10		12	d)	20	
18.	A trai	n running at the	speed	l of 60 km/hr cro	osses a p	oole in 9 sec	onds. Wh	at is the le	ngth of
	the tra	_	•		•				C
	a)	120 metres	b)	180 metres	c)	324 metres	s d)	150 metr	es
19.	A gro	oup of friends go	es fo	r dinner and get	s bill of	Rs 2400. T	wo of th	em says th	at they
	_	forgotten their p		_				•	•
		ll. Find the numl		_					
	a)	8 persons	b)	7 persons	c)	6 persons	d)	5 person	S
20. 21. 22.	Educatop of Socio imme a) Educatop of Socio imme a) Educatop of Educator Ed	X X Y Y Z Z	ntance Accord s is in ycho Ecord s, Psy 3 = 1 b) a dig	y lying on the tuntancy is immediately about logy. Which thromores b) Event chology d) now, 8 and 2 = 46 th 33 git from 1 to 9. I	cable one ediate be ve Psyche ee books Education one of the nen find c) Each let	e above the elow Educa hology but to are between, Economic the above the value of 42	other. So tion which not in the n Accour es, Psychology f 7 and 2° d)	ociology is the is immediate. Intancy and tology	on the ediately Hindi is Hindi?
		2, Y = 3, Z = 5		-		Y=2 7=5	d) X=	9 Y=1 <b>7</b> =	-8
23.		irls P, Q, R, S, T					•		
-6.	Three V. R i	e queries are: T is is fourth to the ri is sitting just righ	s not a	in between Q ar f P.		•			
	a)	P	b)	T	c)	R	d)	S/Q	
		ONS FOR Q.No							
	-	following line gr	_		_				
Expo	rts fro	m Three Compai	nies (	Over the Years (	in Rs. cı	rore)			



	3. All the	questions are poets.	•	4. Some poets	are a	answers.
	a) Only (1) and (2) b	Only (1) and (4)	c) Only	(1) and (3) d) C	nly	(2) and (4)
32.	Statements: Some en		•		•	
		ns are seals.				
	Some seal	s are adhesives.				
	Conclusions: 1. Some	envelopes are seals		2. Some gums	are	adhesives.
		adhesives are seals.		4. Some adhes		
		b) Only (1)				Only (4)
33.	A+B means A is the	•		•	-	•
	brother of B; A / B me					
	what does P x R / Q m					
	a) P is the brother of R		ather of (	Q		
	c) P is the uncle of Q	d) P is the	nephew o	of Q		
34.	80, 10, 70, 15, 60, V	Vhat number should	come ne	xt?		
	a) 20	b) 25	c)	30	d)	50
35.	2, 6, 18, 54, What n	*	next?			
	a) 108	b) 148		162	d)	201
36.	5.2, 4.8, 4.4, 4, Wha	,	/		/	
		b) 3.6	c)		<u>d)</u>	3.4
37.	1000, 200, 40, Wha	,	/	3.0	u)	3.1
,,,	a) 8	b) 10	c)	15	d)	5
38.	544, 509, 474, 439,	,	′		u)	3
					4)	115
20	a) 404	<i>'</i>	c)	420	u)	445
39.	SCD, TEF, UGH,		2)	VII	٦)	ПТ
10	,	b) UJI	c)	VIJ	d)	IJT
ŧU.	ELFA, GLHA, ILJA,		- \	T T N // A	.1\	TZT T A
1 1	a) OLPA		c)	LLMA	a)	KLLA
11.	, , , , , , , , , , , , , , , , , , , ,				•	
		b) GSS				
12.	In a certain code, '37' code for 'Caste'?	means 'which class'	and '583	3' means 'caste ai	nd c	lass'. What is the
	a) 3	b) 7	c)	8	d)	Either 5 or 8
13.	If ROSE is coded as 6	821, CHAIR is code	ed as 734	56 and PREACH	is c	oded as 961473,
	what will be the code	for SEARCH?				
	a) 246173	b) 214673	c)	214763	d)	216473
14.	In a language A is cod	ed as 1, B is coded a	as 2,	then FACE is coo	ded	as
	a) 1356	b) 6135	c)	6315	d)	6134
15.	In a certain code FLO	WER is coded as 36	and SU	NFLOWER is co	oded	as 81, then how
	to code FOLLOWS?					
	a) 42	b) 49	c)	63	d)	36
16.	In a code language, A	is written as B, B is	written a	as C, C is written	as I	and so on, then
	how will SMART be v					
	a) TLBSU	b) SHBSU	c)	TNBSU	d)	SNBRU
<del>1</del> 7.	If Go =32, SHE = 49,	then SOME will be	equal to			
		ech Reg Gen	•	ptitude SET	-A	
					-	

	a) 56	b) 58	c) 62	d) 64		
48.	Question: On whi	ch date of the month	was Anjali born in Fe	ebruary 2004?		
	Statements: I. An	jali was born on an ev	ven date of the month			
	II. An	jali's birth date was a	prime number.			
	a) I alone is suffici	ent while II alone is r	not sufficient			
	•	cient while I alone is r				
	c) Either I or II is s	sufficient				
	d) Both I and II are	e sufficient				
49.	Statements: All th	ne harmoniums are ins	struments. All the ins	truments are flutes.		
	Conclusions: 1. A	ll the flutes are instru	ments. 2. All the har	moniums are flutes.		
	a) Only (1) conclus	sion follows b) O	only (2) conclusion fo	llows		
	c) Either (1) or (2)	follows d) N	either (1) nor (2) follo	ows		
50	<b>Statements:</b> Some	papers are pens. All	the pencils are pens.			
	<b>Conclusions:</b>	1. Some pens are pen	cils. 2. Son	ne pens are papers.		
	a) Only (1) conclus	sion follows t	o) Only (2) conclusion	n follows		
	c) Either (1) or (2)	follows	1) Both (1) and (2) fol	llow		
		_	_	e given alternatives, choos		
the o	one which best expi	resses meaning of the	e given word.			
51.	Wrath					
	a) Jealousy	b) Hatred	c) Anger	d) Violence		
52.	Lethargy					
	a) Laxity	b) Impassivity	c) Serenity	d) Listlessness		
53.	Diligent	•	•			
<i>33</i> .	a) Intelligent	b) Energetic	c) Modest	d) industrious		
54.	Bounty	, ,	,	,		
	•	b) Gift c) I	Pleasure	d) Reward		
55.	Mystique	<i>b)</i> GHt <b>c</b> ) I	leasure	a) Reward		
<i>JJ</i> .	• •	- 4-4' \ <b>A</b> -1'	1.1. O .1'. 1\ D	1		
ъ.	•	outation c) Admira	- ·	•		
		ch of the following q	uestions, choose the	word opposite in meanin		
	ne given word.					
56.	Fraternity	1 \ 77 \ 111	\ <b>D</b>			
	a) Hospitability	b) Hostility	c) Brotherhood	d) Enmity		
57.	Mawkish					
	a) Sentimental	b) Intelligent	c) Certain	d) Carefree		
58.	Magnify					
	a) Induce	b) Diminish	c) Destroy	d) Shrink		
59.	Vanquish					
	a) Surrender	b) Debase	c) Destroy	d) Ruin		
60.	Malicious					
	a) Boastful	b) Indifferent	c) Kind	d) Generous		
Dire	,	,	,	omatic expression is give		
		_	•	the meaning of the given		
idio	<u> </u>	,		g : <b>g-</b> · •		
61		loof				

	a) To change complete	•		.1 11
	b) To shift attention to	*	•	nes thoroughly
	c) To cover up one's fa	•		
62.	d) To change the old hat To talk one's head off	ions and adopt new c	nies	
02.	a) To talk loudly b) To	talk in whichare a)	To talk to operalf d) To	o talk avaassiyaly
63.	To throw down the glo	•	10 talk to offesell (d) 10	J talk excessively
05.	a) To resort to wrong ta		a challenge	
	c) To accept defeat	, ,	ct the prize	
64.	To flog a dead horse	d) 10 leje	et the prize	
0	a) To act in a foolish w	av b`	) To waste one's efforts	
	c) To revive interest in	· · · · · · · · · · · · · · · · · · ·		
65.	To play fast and loose	<b>J</b>		
	a) To beguile others	b) To be win	ning some times and los	sing at other times
	c) To play with someor	ne's feelings d)	To play tricks	
Direc	ctions (66-70): In each	of the following que	estions, out of the four	alternatives, choose
the o	ne which can be substi	•		
66.	Bringing about gentle a	and painless death fro		
	a) Suicide	b) Euphoria	c) Gallows	d) Euthanasia
67.	Large scale departure o			
	a) Migration	b) Emigration	c) Immigration	d) Exodus
68.	One who always runs a	•		
	a) Escapist	b) Timid	,	,
69.	Simplest and smallest f but may cause disease	form of plant life, pre	sent in air, water and so	oil; essential to life
	a) Virus	b) Amoeba	c) Bacteria	d) Toxin
70	One who loves mankin	,	c) Bucteria	d) Toxiii
70	a) Anthropologist		c) Seismologist	d) Optometrist
Direc	etions (71-75) In each	•		· •
	rent ways out of which			
71	a) Alienate	b) Allienate	c) Alienat	d)Alienatte
72	a) Accommodetion b)	Accomodation c) A	Accommodtion d) Acc	ommodation
73	a) Leisure	b) Leissure	c) Leasure	d) Lesiure
74	a) pasanger	b) pessenger	c) pesanger	d) passenger
75	a) comitment	b) comitment	c) commitment	d) comitmant
	ion (76-80): In the questions	,		some have none. Find ou
	part of a sentence has an er			(4)
76	Man needs (a)/ security		•	• •
77 70	I am not wealthy,(a)/so			) no error(a)
78 70	The man (a)/ cannot liv	· · ·		(a) / Na aa (d)
79	A person I met (a) / in t			
80 Direct	To perform this experime ions (81-85):: in each question		•	
	ven which can substitute th			
substi	tute that part of the sentence			
impro	vement.			

81	The police broke away	the meeting as it turne	d violent.	
	a) Broke up	b) Broke off	c) broke through	d) No improvement
82	They are working for	the upliftment of their v	rillage.	
	a) uplift of	b) uplifting of	c) uplifting	d) No improvement
83	My mother asked me	when would I have a gla	ass of milk.	
	a) I will	b) I would	c) I shall	d) No improvement
84	The teacher asked, "w	hy you are late?"		
		o) why late you are c) w	hy are you late d)	No correction required
85	The train left before w	re reached the station.		_
	a) had left	b) would have left	c) has had left	d) No improvement
				sequence so as to form a
meani		answer the questions given		
		frightened native told his		
		ched the thick bush, he		
		ened by the fearful scr ght, a shot was fired acc		
	_	chase the lion and took		out it int the Lion.
86.		g should be the first sen	~	
00.	a) A	b) B	c) C	d) D
87	<i>'</i>	g should be the second	,	d) D
07	a) A	b) B	c) C	d) D
88	<i>'</i>	g should be the third se	•	u) D
00			c) C	d) E
89	a) A Which of the followin	b) B	,	u) L
09		g should be the fourth s		1) D
00	a) A	b) B	c) C	d) D
90.		g should be the last sen		1) D
Dima a	a) A	b) B	c) C	d) D
		following passage carefull	_	_
	•	•	*	ners, including prisoners
	•	9	•	outinely tortured in this
	•		•	's annual report cares to
			•	of torturing prisoners, 63 ngs and 53 of detaining
	<b>O 1</b>		• •	idia seems to have been
_				The report has however,
				nilitary custody and that
_	_	<del>-</del>	_	1 charged with political
-		•	-	nay also be necessary to
		•		are by the security forces
	-	_	_	victims whether they are
	_	_		

part of state policy in a country ruled by an autocrat who is answerable to no one.

in a democratic country or a totalitarian one. It is also nobody's case that a democratic country is less culpable than a dictatorship in the event of human rights violations. But the point perhaps still needs to be made that torture of the system in a democracy in contrast to being an integral

rights abuses mentioned by Amnesty, but it still remains a qualitatively different place from a totalitarian country. It is in this respect that Amnesty has been less than fair. It has chosen to ignore the distinctions between the good, the bad and the ugly. The openness of Indian society will be evident to anyone who spends half an hour in one of its chaotic market-places or visits the law courts or watches a political rally or reads a newspaper or strikes up a conversation with any person on the roads. There is no sense of fear in India, as in a conversation with any person on the roads. There is no sense of fear in India, as in a dictatorship. There is also scope for securing relief from the heavy-handed behaviour of the authorities, even if the human rights commission has not yet lived up to expectations, Unless such points are recognized, Amnesty's assessment will seem to be a dry recital of statistics which may pillory India simply because of its larger population. 91 In the report, India has been excluded from which of the following categories of violating human rights? a) Torturing prisoners b) Detaining without trial c) Political killings d) Harbouring prisoners of conscience 92 Which of the following is not true in the context of the passage? a) India is guilty of some human rights abuses b) Amnesty International appraised all the democratic countries c) There is overlapping of cases in the categories of human rights abuses. d) India was one of the countries appraised by Amnesty International. 93 According to the passage, through which media or forum Amnesty International has hurled the charges? a) Seminar on Human rights b) Its Regional Report c) Its Annual Report d) Its International Meet 94. The author of the passage a) agrees with the report **b)** disagrees with the report c) hat conditions of disagrees prisons in India is bad d) supports the totalitarian approach 95 The Amnesty International's report is based on the information of how many countries? a) 63 b) 112 c) 131 d) None of these 96 The author suggests classification of various countries on one additional dimension. Which of the following is that dimension? a) Economic progress b) Human Rights c) Industrial progress d) Political systems 97 According to the passage, what does political murder in a democratic country signify? b) Policy of the country a) Failure of system d) Openness of society c) Need for autocratic rule 98 Which of the following is the meaning of the phrase 'strike up' as used in the passage? b) initiate c) discussion a) hit sharply d) protest 99 Which of the following seems to be the main purpose of writing this passage? a) To highlight the sufferings of prisoners **b)** To condemn political killings c) To highlight the role of Amnesty International d) To further the cause of human rights According to the author, among the good, the bad and the ugly, what at worst is the 100 situation in India? b) Bad c) Ugly d) Good or ugly a) Good

India may be guilty of keeping 'tens of thousands' behind bars and of the other human

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III B.Tech. I Semester Regular Examinations February 2022

# Advanced Java Programming Computer Science and Engineering

		(Computer Science and Engineering)			
				Hours	
	Ans	wer any five full questions by choosing one question from each unit (5x14************************************	4 = 70 N	viarks j	
			Marks	СО	Blooms
		UNIT-I			Level
1.	a)	Examine the methods defined in GraphicsContext that draw			
		shapes, text, images, and support effects and transforms.	7M	CO1	BL-3
	b)	Show the skeleton of a JavaFX application and describe the			
	,	methods used.	7M	CO1	BL-1
		OR			
2.	a)	Choose a suitable program and demonstrate the procedure			
	•	related to event handling and button.	7M	CO1	BL-5
	b)	Design a Java program to explain the mechanism of a			
	,	JavaFX label.	7M	CO1	BL-6
		UNIT-II			
3.	a)	List out the built-in effects. Show the syntax for each effect			
	,	and explain the application of each effect on the node in a			
		scene graph.	8M	CO2	BL-1
	b)	How to add Tooltip and disable a control in JavaFX? Discuss			
	,	with an example.	6M	CO2	BL-2
		OR			
4.	a)	Explain how to create main menu and add mnemonics and			
	,	accelerator to menu items with an example.	8M	CO2	BL-2
	b)	Develop a Java program that loads an image and displays			
		the image via ImageView	6M	CO2	BL-6
		UNIT-III			
5.	a)	Assess the mechanism related to processing the result sets			
		and making changes to a result set.	8M	CO3	BL-5
	b)	How to handle multiple results from a statement interface?			
		Discuss.	6M	CO3	BL-2
		OR			
6.	a)	Define driver. Illustrate different types of drivers in JDBC with			
	,	a suitable program.	8M	CO3	BL-3
		· -			

Code: 19A551T

	b)	Discuss how to set auto-commit mode and rolling back data into database with a suitable JDBC program?  UNIT-IV	6M	CO3	BL-2
7.	a)	Generate a servlet code that allows you to read the names			
		and values of parameters that are included in a client request.	6M	CO4	BL-6
	b)	Summarize and describe the core classes that are provided			
		in the javax.servlet package.	8M	CO4	BL-2
		OR			
8.	a)	Compose a servlet that handles an HTTP GET request.	8M	CO4	BL-6
	b)	Interpret the procedure to create and compile the servlet			
		source code.	6M	CO4	BL-2
		UNIT-V			
9.	a)	Demonstrate the procedure for calling bean from a JSP page			
		and making a bean available.	8M	CO5	BL-3
	b)	Evaluate the process of setting a property value from a			
	·	request using a suitable example.	6M	CO5	BL-5
		OR			
10.	a)	What's wrong with the servlets? Compare JSP and servlets.	6M	CO5	BL-5
	b)	Analyze the task of accessing properties using			
		jsp:getProperty and jsp:setProperty.	8M	CO5	BL-4
		***END***			

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III B.Tech. I Semester Regular Examinations February 2022

### **Artificial Neural Networks**

(Computer Science and Engineering)

	4 -	( Composer science and Engineering )			_
		. Marks: 70 ver any five full questions by choosing one question from each unit ( 5x14	ime: 3		
/	-\115v	**************************************	- 70 N	naiks j	
			Marks	СО	Blooms
			Marko	00	Level
		UNIT-I			
1.	a)	"Neuron inhibition depends on activation function" Justify this statement	4		
		with different types of activation functions.	7M	CO1	L5
	b)	Discuss the basic functional units of an Artificial Neural Network.	7M	CO1	L2
		OR			
2.	a)	"Artificial neuron is resembling the functionalities of biological neuron"-	014		
		Justify this statement in all functional aspects.	8M	CO1	L5
	b)	What is Dynamic model? Discuss different types of Dynamic models.	6M	CO1	L4
		UNIT-II			
3.	a)	Discuss in detail about the analysis of pattern association networks.	7M	CO2	L2
	b)	Describe Stochastic Networks in detail.	7M	CO2	L2
		OR			
4.	a)	Explain Simulated Annealing in Feed Back Neural Networks.	6M	CO2	L2
	b)	What are different types of classification networks?	8M	CO2	L4
		UNIT-III			
5.	a)	Write about the usage of Radial Basis Function networks to perform			
		complex pattern classification task.	7M	CO3	L1
	b)	Explain How to find maximal hyper planes to solve two class classification			
		problem with Support Vector Machine When data is a) Linearly separable	71.4		
		b) Linearly Inseparable	/ IVI	CO3	L2
OR					
6.	a)	What is radial basis function network (RBFN)? Explain the training algorithm used for RBFN with fixed centers.	7M	CO3	1.4
	b)	How to build a Support Vector Machine for pattern recognition problem?	/ IVI	CO3	L4
	D)	Explain in detail.	7M	CO3	L1
		UNIT-IV		000	_,
7.	a)	Explain in detail about Brain State in a Box neural Network.	7M	CO4	L2
	b)	Discuss Linear Associative Memory.	7M	CO4	L2
	D)	OR	7 101	004	LZ
8.	a)	Write the application of Hopfield Network.	5M	CO4	L1
0.	b)	Explain Bidirectional Associative Memory in detail.	9M	CO4	L1 L2
	D)	UNIT-V	JIVI	004	L2
9.	a)	What are the applications of SOM.?	7M	CO5	L4
	b)	Explain Principal Component Analysis with a suitable diagram.	7M	CO5	L2
OR					
10.	a)	Discuss the self-organization feature maps.	7M	CO5	L2

\*\*\*\*END\*\*\*\*

b) What are Generalized Learning Laws? Explain in detail

7M CO5