**R18** H.T No: Course Code: A30013



### CMR COLLEGE OF ENGINEERING & TECHNOLOGY (UGC AUTONOMOUS)

B.Tech VI Semester Regular/Supplementary Examinations May-2023
Course Name: BUSINESS MANAGEMENT & FINANCIAL ANALYSIS

D	(Common for EEE, ME & ECE) Date: 08.05.2023 AN Time: 3 hours Max.	Marley 50
	(Note: Assume suitable data if necessary)	Marks: 70
	PART-A	
	Answer all TEN questions (Compulsory)	
	Each question carries TWO marks.	10x2=20M
1.	Define the Management.	2 M
2.	Explain the Delegation of authority.	2 M
3.	Describe the Promotion of the product.	2 M
4. ]	Explain the Performance appraisal.	2 M
5.	Write about Social environment of business.	2 M
5.	What is the importance of managerial economics?	2 M
	Define the price.	2 M
3.	Write about Monopoly market.	2 M
). I	Explain the Venture capital.	2 M
0.	Write the purpose of balance sheet.	2 M
	PART-B	
A	nswer the following. Each question carries TEN Marks.	5x10=50M
1.A).	Explain the principles of modern management proposed by Henry Fayol, in detail.	101
	OR	10M
1. B)		101/
,	theory of motivation with a suitable diagram.	10M
2. A)	. Enumerate the objectives and functions of Human Resource management.	10M
	OR	
2. B)	. Define plant layout and explain the main types of plant layout.	10M
2 4		
3. A)	. What is National Income? Describe the significance of National Income.	10M
2 D)	OR	
3. B).	. How do you define Demand? Discuss the demand forecasting methods in detail.	10M
4. A).	i) What is Break- even analysis? What are the applications of BEA?	5M
	ii) Star Industries manufactures electrical goods for which the fixed costs stand	d at 5M
	Rs 50,000 and the variable cost to produce a good is Rs 30. The firm sold these good	ls to
	produce with a sale price of Rs 50 per unit, find out the Break- even point?	
( D)	OR	
4. B).	Explain the concept of Production function with suitable examples, in detail.	10M
5. A).	Define Liquidity. Describe the types and importance of liquidity ratios.	103 4
,	OR	10M
5. B).		103.5
	The state of pes of ousiness effect prises.	10M



## CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

B.Tech VI Semester Regular/Supplementary Examinations May-2023
Course Name: MICROPROCESSORS & MICROCONTROLLERS

	Course Name: MICROPROCESSORS & MICROCONTROLLERS (Common for EEE & ECE)	
		.Marks: 70
	(Note: Assume suitable data if necessary) PART-A Answer all TEN questions (Compulsory) Each question carries TWO marks.	10x2=20M
1.	What are the different types of registers in 8086 microprocessor architecture?	2 M
2.	List the hardware interrupts in 8086 Microprocessor with pin numbers.	2 M
3.	Illustrate register indirect addressing mode with an example.	2 M
4.	Interpret any four data transfer instructions with the help of examples.	2 M
5.	Show the control register structure for I/O mode in 8255 PPI.	2 M
6.	Draw the pin diagram of 8255 PPI.	2 M
7.	List out the features of 8051 microcontroller.	2 M
8.	Differentiate between MOV, MOVC and MOVX instructions in 8051 microcontroller.	2 M
9.	What is the use of timers in 8051?	2 M
10.	How do microcontrollers handle interrupts?	2 M
	PART-B Answer the following. Each question carries TEN Marks.	5x10=50M
11.4	A). Explain the internal architecture of 8086 microprocessor with a neat sketch.  OR	10M
11.1	3). Illustrate the physical memory organization of 8086 microprocessor.	10M
12.	A). Discuss about the branching instructions of 8086 microprocessor with examples.  OR	10M
12.1	3). List different assembler directives with suitable examples.	10M
13. /	A). Illustrate with an example, to interface an A/D converter with 8086 microprocessor.  OR	10M
13.1	3). Draw the block diagram of 8255 and explain each block.	10M
14. /	A). Illustrate the following registers of 8051 microcontroller: (i) TCON, (ii) So (iii) SBUF and (iv) DPTR.	CON, 10M
	OR	
14. I	3). Explain different types of instructions in 8051 microcontroller with suitable examples	s. 10M
15. /	•	10M
	OR	
15. I	3). Explain the programming of external hardware interrupts.	10M



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY (UGC AUTONOMOUS)

ks: 70
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2

(P.T.O..)

14. A).	Briefly explain the amplification process of Travelling wave tube.	10M
14. B).	OR	1010
	Explain the construction and operation of Magnetron and mention it's applications.	10M
15. A).	Explain the operation of Gunn diode using RWH theory.	10M
	OR	10111
15. B).	Using slotted line, draw a typical microwave bench setup for measurement of unknown load and explain.	10M

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H.T No: R18 Course Code: A30420



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY (UGC AUTONOMOUS)

B.Tech VI Semester Regular/Supplementary Examinations May-2023

**Course Name: VLSI DESIGN** 

Da	ate: 15.05.2023 AN Time: 3 hours Max.N	Iarks: 70
	(Note: Assume suitable data if necessary)	
	PART-A Answer all TEN questions (Compulsory)	
		0x2=20M
		2.1
	Explain a pull down device.	2 M
	Define Threshold voltage.	2 M
	cist the types of design rules.	2 M
	Demonstrate the transfer characteristics of CMOS.	2 M
	What is sheet resistance?	2 M
	What is meant by wiring capacitance?	2 M
	Write categories of memory arrays.	2 M
	What are the different types of ROMs?	2 M
	Explain about FPGA.	2 N
10. E	Explain about CPLD.	2 M
	PART-B	
A		x10=50M
11.A).	Determine the relationship between Ids and Vds.	10N
11.11).	OR	TOIN
11. B).		sign 10N
12. A).	Draw and give the importance of VLSI design flow.	10N
,	OR	1010
12. B).	Draw the lay out diagram for two input AND gate.	10N
	, and a second s	1010
13. A).	Design using Complex logic gates Y=AB+CD.	10N
	OR	
13. B).	Describe about the methods for driving large capacitance loads.	10N
14. A).	Name the types of memories and application in it. 1. CCD ANG	
14. A).	The state of the s	10N
14. B).	OR  Design a four hit posity generator using only VOP	
т. D).	Design a four bit parity generator using only XOR gates and draw the schematic of it.	10N
15. A).	Explain the detailed logic configurable Block Architecture of FPGA.	10N
	OR	1010
5. B).		and 10N



#### CMR COLLEGE OF ENGINEERING & TECHNOLOGY (UGC AUTONOMOUS)

B.Tech VI Semester Regular/Supplementary Examinations May-2023

	(Electr Date: 17.05.2023 AN	onics & Communication Engineering) Time: 3 hours	Max.Marks: 70
	(N	ote: Assume suitable data if necessary) PART-A	
		nswer all TEN questions (Compulsory) Each question carries TWO marks.	10x2=20M
1.	Define operating system and I	ist the objectives of operating system.	2 N
2.	Interpret the multiprogrammin	g environment in an Operating System.	2 M
3.	What is PCB? List the content	s of process control block (PCB).	2 M
4.	What are the various states of	a process and draw the diagram?	2 M
5.	Outline the requirements that a	a critical section solution should satisfy.	2 N
6.	What is the motive of Inter pro	ocess communication (IPC)?	2 N
7.	What is demand paging?		2 N
8.	What are logical and physical	addresses?	2 N
9.	List the various file attributes	in file system interface.	2 N
10.	What is the role of file organiz	ration module in file system structure?	2 M
		PART-B	
	Answer the following. Each q	uestion carries TEN Marks.	5x10=50M
11.A	a). i) Demonstrate any five fu	nctions or services of Operating system.	5N
	ii) Explain about the time s	shared, multiprogramming and multitasking operat	ing systems. 5N

i) Differentiate simple structure and layered structure of Operating system. 5M ii) Describe the features of a distributed operating system. 5M

Consider the following table of arrival time and burst time for four processes P0, P1, P2, 12. A). 10M P3:

Process	Arrival time	Burst Time
P0	2	5
P1	2	4
P2	3	2
P3	4	1

Scheduling is carried out only at arrival of processes. Calculate the average waiting time and turnaround time for these processes using Round Robin scheduling algorithm.

i) What is multithreading? Explain the thread libraries in detail. 12. B).

5M 5M

ii) Explain in detail about the various system call interfaces for process management.

(P.T.O..)

13. A).	i) Explain mutual exclusion using semaphores.	5M
	ii) Interpret Dining Philosophers problem with an example.	5M
	OR	
13. B).	i) Explain the Resource Allocation Graph algorithm for deadlock avoidance.	5M
	ii) What is synchronization? What are the different synchronization mechanisms? Explain in detail.	5M
14. A).	i) Explain the concept of Contiguous memory allocation.	5M
	ii) Consider the reference string:	5M
	7, 0, 1, 2, 0, 3, 0, 4, 2, 3, 0, 3, 2, 1, 2, 0, 1, 7, 0, 1	
	for a memory with three frames. Trace FIFO, and LRU page replacement algorithms.	
	OR	
14. B).	i) Consider a computer system with a 32-bit logical address and 4-KB page size. The system supports up to 512MB of physical memory. How many entries are there in each of the following?	5M
	(a) A single-level page table	
	(b) An inverted page table	
	ii) Give the detailed description of hardware implementation of a page table with translation Look-Aside Buffer.	5M
15. A).	Explain the following with relevant diagrams:	1014
	i) Single level directory structure	10M
	ii) Tree-structured directory structure	
	OR	
15. B).	i) Explain about the free space management.	5M
	ii) Explain in detail about the file allocation methods in operating system.	5M

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### CMR COLLEGE OF ENGINEERING & TECHNOLOGY (UGC AUTONOMOUS)

B.Tech VI Semester Regular/Supplementary Examinations May-2023 Course Name: CELLULAR & MOBILE COMMUNICATIONS

]	(Electronics & Communication Engineering) Date: 17.05.2023 AN Time: 3 hours Max	x.Marks: 70
	(Note: Assume suitable data if necessary)	
	PART-A Answer all TEN questions (Compulsory)	
	Each question carries TWO marks.	10x2=20M
	Differentiate the generations in the cordless phones & cellular phones.	2 M
	Define Doppler Spread.	2 M
	Define Fading.	2 M
	What is meant by space diversity?	2 M
	What is meant by frequency management?	2 M
	Define cross talk.	2 M
	What is meant by foliage?	2 M
	Write short notes on sectorization.	2 M
	Explain the need for handoff.	2 M
).	Define spectrum utilization factor.	2 M
	PART-B	
4	Answer the following. Each question carries TEN Marks.	5x10=50M
I.A	Explain briefly different ways of improving coverage and capacity in cellular system	n. 10M
	OR	
. В	<ol> <li>Explain the steps involved in planning a cellular system Illustrate how the performant criteria is evaluated.</li> </ol>	nce 10M
2. A	). Explain about the co channel interference reduction factor and derive the general for for C/I.	mula 10M
	OR	
2. B	). i) Write short notes on adjacent channel interference.	5M
	ii) Discuss how antenna height effects the coverage and interference of cellular syste	em. 5M
3. A	). Explain signal reflections in flat and hilly terrain?	10M
	OR	
3. B	). Explain sum and difference patterns.	10M
1. A	). i) Explain about grouping channels into subsets.	5M
	ii) Describe various non fixed channel assignment algorithms.	5M
	OR	
4. B	). Explain channel sharing and borrowing in frequency management.	10M
. A	). i) Explain two types of handoffs.	5M
	ii) What is an advantage of delayed handoff?	5M
	OR	
. В	). Define drop call rate how it is evaluated.	10M



## CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)
B.Tech VI Semester Regular Examinations May-2023

	Course Name: WASTE TO ENERGY	
	(Common for ECE, CSE & CSM) Date: 19.05.2023 AN Time: 3 hours Max.Mark	70
	(Note: Assume suitable data if necessary) PART-A Answer all TEN questions (Compulsory)	=20M
1.	What is agro based waste?	2 M
2.	Classification of waste as fuel.	2 M
3.	What is meant by pyrolysis?	2 M
4.	List any 4 applications of charcoal.	2 M
5.	Classify gasifiers used for biomass gasification.	2 M
6.	Define thermal heating.	2 M
7.	List different types of biomass stoves.	2 M
8.	Define biomass combustors.	2 M
9.	List type of biogas plants	2 M
10.	List any 4 applications of biogas plant.	2 M
11.4	Answer the following. Each question carries TEN Marks.  5x10=  A). Write short notes on the following conversion devices with respect to waste management.  i) Incinerator, ii) digestors	= <b>50M</b> 10M
	OR	
11.1	B). Explain classification of waste in detail.	10M
12. /	A). Distinguish between slow and fast biomass pyrolysis.  OR	10M
12.1	B). Discuss various applications and yields of pyrolytic oils – in detail	10M
13. /	A). Draw Gasifier engine arrangement for production of Electric power and explain the methodology.	10M
10.1	OR	
13. I	B). How gasifier output is utilized in Electrical Power Plants – Justify?	10M
14. A	A). Explain Design, Construction and Operation of Fixed bed combustor.  OR	10M
14. E		10M
	(P.T.O)	

15. A). Explain the following in detail.

i) Biomass gasification, ii) Pyrolysis & Liquefaction.

OR

15. B). Explain the following in detail with respect to biomass plants.

i) Bio-Chemical Conversion, ii) Anaerobic digestion

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R18 H.T No: Course Code: A30166



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)
B.Tech VI Semester Regular/Supplementary Examinations May-2023

	Course Name: ENVI	RONMENTAL PROTECTION & MANAGEMENT	
	Date: 19.05.2023 AN	(Common for EEE, ECE, CSE & IT) Time: 3 hours  Max.M.	-1- 70
	Date: 17:03:2023 A11	(Note: Assume suitable data if necessary)	arks: 70
		PART-A	
		Answer all TEN questions (Compulsory)	
		Each question carries TWO marks.	x2=20M
1.	Define Pollution.		2 M
2.	What do you mean by s	sustainability?	2 M
3.	What is clean technolog	gy?	2 M
4.	Define zero discharge t	echnology.	2 M
5.	Give the full form of El	MAS and EMS.	2 M
6.	Define hazardous waste	e.	2 M
7.	Give any two roles of a	n environmental auditor.	2 M
8.	What is compliance aud	dit?	2 M
9.	What do you mean by t	ransboundary?	2 M
10.	Name some metals pres	sent in tanning industry effluent.	2 M
		PART-B	
	Answer the following. I	Each question carries TEN Marks. 5x1	10=50M
11.	A). i) Discuss on the va	rious national policy for environmental protection and Management.	5M
		arriers for sustainable development.	5M
		OR	
11.	B). What is abatement schemes on pollutio	of pollution. Discuss the major activities initiated under the various abatement.	us 10M
12.	A). Discuss cleaner prod	duction and cleaner technologies.	10M
		OR	TOW
12.	B). i) Distinguish betwee	en pollution control and pollution prevention.	5M
	ii) concentration and		5M
13.	A). Discuss the merits a	nd barriers in implementing ISO 14001 in an organization.	
	z). Discuss the ments a	OR	10M
13.1	i) Discuss the object		
15.1	ii) Appraise the sign	ives and targets of an environmental management programme. ificance of training awareness on environmental protection.	5M
	)pprose the sign	meanee of training awareness on environmental protection.	5M
14. /	A). Write a process flor ISO-19011.	ow diagram for the Management of an Audit Programme as po	er 10M
		OR	
14. I	3). Write a note on Was	te Minimisation Planning in an Industry.	10M
15. A	A). Write in brief about	air and water pollution prevention opportunities in textile industries.	
	, and another	OR	10M
15. E	3). Write in brief about	disposal of hazardous wastes in a landfill.	103.4
		*****	10M



### CMR COLLEGE OF ENGINEERING & TECHNOLOGY (UGC AUTONOMOUS)

B.Tech VI Semester Regular/Supplementary Examinations May-2023

Course Name: BUSINESS ETHICS & CORPORATE GOVERNANCE

	(Common for ECE & CSE) Date: 19.05.2023 AN Time: 3 hours Ma	x.Marks: 70
	(Note: Assume suitable data if necessary) PART-A	
	Answer all TEN questions (Compulsory) Each question carries TWO marks.	10x2=20M
1.	What is important of ethics?	2 M
2.	What is morality?	2 M
3.	Who is unethical manager?	2 M
4.	What is whistle blowing?	2 M
5.	What is hacking?	2 M
6.	What is psychological egoism?	2 M
7.	What is the purpose of a corporation?	2 M
8.	What are responsibilities of a corporation as a moral person?	2 M
9.	What is the role of executive and non-executive directors?	2 M
10.	Define Corporate Governance.	2 M
	PART-B Answer the following. Each question carries TEN Marks.	5x10=50M
		3410 30111
11.	•	10M
	OR	
11.	B). Explain Kohlberg Model of Moral Development.	10M
12.	A). Explain ethics in Human Resource Management.	10M
	OR	
12.	B). "Finance would be impossible without ethics" comment.	10M
13.	A). Explain about the impact of Cybercrimes in Social Engineering?	10M
	OR	10111
13.	B). What are IPR issues? Explain? and What is cost of Cybercrimes?	10M
14.	A). Discuss the future of Corporate Governance in India.	10M
	OR	
14.]	B). Describe the role and responsibilities of a good Board.	10M
15. /	A). Discuss the recommendations of Irani Committee Report on Corporate Governance.  OR	10M
15.1	B). What is special about the OECD Principles and Methodology? Discuss.	10M

H.T No: R18 Course Code: A30559



## CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

B.Tech VI Semester Regular/Supplementary Examinations May-2023

Course Name: INTRODUCTION TO DATA SCIENCE

<u>D</u>	(Common for ECE, CSE & CSC) Date: 19.05.2023 AN Time: 3 hours Max.Mar	ks: 70
	(Note: Assume suitable data if necessary)	
	PART-A Answer all TEN questions (Compulsory) Each question carries TWO marks. 10x2	e=20M
1.	Summarize the current traits of Big Data.	2 M
2.	Explain the concept of Web Scripting.	2 M
3.	Define the term Rescaling.	2 M
4.	Distinguish between Cleaning and Munging.	2 M
5.	Explain the importance of Support Vector Machine.	2 M
6.	Illustrate the concept of Bayes Theorem.	2 M
7.	Briefly elaborate the importance of Neural Networks.	2 M
8. 1	Examine the Induction rule in brief.	2 M
9. 1	Demonstrate the application of Data Science in Weather Forecasting.	2 M
	Analyze implementation of Data Science in the Stock Market.	2 M
	PART-B	
A	ALCH CELL	=50M
11.A).	Compare and contrast the differences between Analysis and reporting with a suitable example?	10M
	OR	
11. B)	. Classify the important concepts of Matplotlib and NumPy in Python.	10M
12. A)	. Evaluate the importance of Dimensionality Reduction in Data Science.  OR	10M
12. B).	Analyze the concept of Visualization of data? Also demonstrate the implications of Bar Charts, Line Charts and Scatterplots.	10M
13. A).	. Compare and contrast the differences between Supervised and Unsupervised Learning.  OR	10M
13. B).	Distinguish between Naïve Bayes and K- nearest Neighbors Classifications with suitable example.	10M
14. A).	Outline the concept of Decision trees and random forest.	10M
	OR	
14. B).	Interpret the concept of Deep Learning for problem solving.	10M
15. A).	Illustrate the applicability of Object Recognition in Data Science with suitable example.  OR	10M
15. B).		10M

H.T No:		R18	Course Code: A30531
CMR EXPLORE TO INVEST	(UG	ENGINEERING & C AUTONOMOUS) lar/Supplementary Exa	

Course Name: PYTHON PROGRAMMING (Common for CE, EEE, ME & ECE)

	(Notes Aggress guidable data if	
Date: 19.05.2023 AN	Time: 3 hours	Max.Marks: 70
	(======================================	

(Note: Assume suitable data if necessary) **PART-A** 

	Each question carries TWO marks. 10x2	=20M
1.	Evaluate the following arithmetic expressions using the rules of Operator Precedence in	2 M
	python	
	a) 5 * 6 ** 3	
0	b) 24 // 6 // 3	
2.	Which of the following results is True?	2 M
	a) >>>9==9 and 1==1	
	b) >>>3==5 or 7==3	
	c) >>>9==9 or 1==1	
•	d) >>>4<1 and 1>6	
3.	How many numbers will be printed? i=5	2 M
	while i>=0:	
	print(i)	
	i=i-1	
4.	Find the output of the following code.	2 M
	def f():	2 111
	s="Hello World!"	
	print(s)	
	s="welcome to the python programming"	
	f()	
5.	Identify the output in the following statements	2 M
	S= "Welcome"	
	print(S[1:3])	
	print(S[:6])	
6.	Differentiate between Tuple and List give an example.	2 M
7.	With the help of an example explain the significance of theinit () method.	2 M
8.	Identify the role of <b>self</b> argument in the class methods.	2 M
9.	The module has a variety of commonly used GUI elements.	
10.	Give examples of commonly used widgets.	2 M
20.	one champies of commonly used widgets.	2 M

2 M

11.A).	1 0 1 1	grocery bill. For tha chased, and its price	t enter the name of the items purchased, e per unit. Then display the bill in the	10M
	*************BILL**	*******	******	
		n Quantity	Item Price	
	********	*******	******	
	Total Amount to be paid			
44.5		OR		
11. B).	Write a program to calculate the user), HRA=10 percent of as constants and use them to	of basic pay, TA= 5 p	ee given his basic pay (to be entered by ercent of basic pay. Define HRA and TA f the employee.	10M
12. A).	<ul><li>i) Draw a comparison betwe</li><li>ii) Write a program to print to</li></ul>	en recursive and itera the Fibonacci series w	tive technique for problem solving. ithout using recursion.	5M 5M
		OR		
12. B).	Write a short notes on the fo  i) Keyword argume  ii) Default argument  iii) Lambda function	ents ts	ple:	10M
13. A).	Write a program to get a string a string. If the string length i	ing made of the first t s less than two return	wo and last two characters from a given instead the empty string.	10M
		OR		
13. B).	Write a program to print indomultiple locations in the list, that value is repeated in the l	then print all the indi	ar value exists. If the value exists at ces. Also count the number of times	10M
14. A).	Write a program with class E organization and also stores	Employee that keeps a their name, designation OR	track of the number of employees in an n and salary details.	10M
14. B).	What will happen when a comethods? Will it override the	lass inherits from an	other class with the same attributes or	10M
15. A).	i) Write a program to print th ii) Write a program to make t	the window fullscreen		5M 5M
15 D)	Evaloin the Call	OR		
15. B).	<ul><li>Explain the following widget</li><li>i) Frame</li><li>ii) Button</li><li>iii) Text</li></ul>	s and their functions:		10M
	<ul><li>iv) Canvas</li><li>v) Listbox</li></ul>			



# CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

B.Tech VI Semester Supplementary Examinations May-2023 Course Name: JAVA PROGRAMMING

	(Common for EEE & ECE)	
Da		Iarks: 70
	(Note: Assume suitable data if necessary) PART-A	
	Answer all TEN questions (Compulsory) Each question carries TWO marks.	0x2=20M
1. V	What do you mean by byte code in Java programing?	2 N
2. D	Differentiate type conversion and type casting.	2 N
3. V	What are the various types of inheritance supported by Java?	2 N
4. V	What are the uses of super keyword?	2 N
5. D	Define a package.	2 N
6. D	differentiate checked exceptions and unchecked exceptions.	2 N
	What are the different states in the life cycle of a thread?	2 N
	befine thread synchronization.	2 N
9. W	/hat are the three standard streams of Java?	2 N
10. W	/hat is the purpose of Scanner class?	2 N
	PART-B	
Ar	swer the following. Each question carries TEN Marks. 5x	10=50M
11.A).	Explain the Features of Java.	101
	OR	
11. B).	<ul><li>i) Explain the concept of method overloading with the help of a program.</li><li>ii) Write a short note on static keyword.</li></ul>	61
12. A).	Explain the properties of an inner class in Java. Demonstrate with the help of a program  OR	. 101
2. B).	Explain the concept of multi level inheritance with an example program.	101
13. A).	Explain the concept of access protection with the help of packages in Java.  OR	101
3. B).	What are the exception handling keywords in Java? Explain exception handling with example program.	an 101
4. A).	What are the different ways of creating threads in Java? Explain the process of threcreation using Runnable interface with a program.	ead 10
1 D)	OR	
4. B).	<ul><li>i) Discuss thread priorities.</li><li>ii) Explain the process of synchronization with a program.</li></ul>	31 71
5. A).	Write a Java program to copy the content of one file to another using File Class.	101
5. B).	OR Discuss the Buffered InnutStreet along the	
э. Б).	Discuss the BufferedInputStream class with an example program.	101