Room No:	YANA COTT- Regd No:
KAKARAPARTI BHAVALESTER	YANA COLLEGE (AUTONOMOUS) END EXAMINATIONS
PG III - SELL-	Max Marks : 70
Class : II MBA	Pass Mark : 28
Subject : Management	Duration : 3 Hrs
Title of Paper: Strategic Management Paper Code: R20MBA301	
W.E.F : 2021-22	Date lam to lapis
	19 01 2023
oetio	SECTION-A
I. Answer any FIVE of the following Question	5X3=15M
1. Strategy	
2. ETOP	
3. Stability Strategy	
4. Strategic Alliance	
5. Wiple Bottom Line	
6. Corporate Culture	
8. Business Ethics	
a de la companya de l	TECONION D
II. Answer ALL the following Questions	5X8=40M
9. Explain the evolution of Strategic Managem	
 สาราสาราสาราสาราชาวิทยายสินสาราสาราสาราสาราสาราสาราสาราสาราสาราสาร	
10. Explain the basic model of Strategic Mana	gement.
11. Describe the Value Chain Model of Michae	1 Porter.
	OR)
l la	OK)
12. Describe the BCG Matrix.	
13. Analyse the Leadership Styles.	
	OR)
14. Analyse the integration of the Organisation	Structure and Strategy.
15. Discuss the Expansion Strategies.	
	OB)
	OR)
16. Discuss the Strategies of Turnaround Man	agement.
17. Narrate the process of Strategy Evaluation	and Control.
	OR)
18. Give a brief description about 7S Framewo	
	[P.T.O]

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III. Case Study (Compulsory)

19. Mr. Truth Restaurant, a dream project of Mr. Radha Krishna is on the verge of closure. The story began when Mr. Radhakrishna started his restaurant with an objective to bring quality food with full information on the ingredients used in the items and as well as the calories inherited in the food item. The idea is emerged when he was in the service and with frequent interaction with his super annuated colleagues and friends. The initial sales in the restaurant were meager and he expected that it would increase gradually, but but he experienced a different reality. The other restaurant which was opened on the same day in the opposite street resulted in huge sales by attracting teenagers. When Mr. Radhakrishna compared his target customers with other restaurant, he observed more frequency of old age customers to his restaurant. The volume of sales as well as revenue is also declined within three months after the opening of the restaurant.

Mr. Radhakrishna is in the dilemma of either to close his restaurant or implement a strategy to get focused for further improvement.

Questions:

- 1. As a management student, prepare a strategy to help Mr. Radhakrishna to revive his strategy to improve his Restaurant Business.
- 2. In case of Restaurant Business, is there any significant impact of type of customers on the profitability of business?

Regd No: Room No: KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS) PG-III SEMESTER END EXAMINATIONS	
PG-III SEMEST DAAMINATIONS	
Class: II MBA: Max Marks: 75	
Subject : Management Pass Mark : 30	
Title of Paper: Project Management Duration: 3 Hrs	~
Paper Code : R20MBA302 W.E.F : 2021-22 Paper Time : 9am to 126 Date : 21/01/20	
W.E.F : 2021-22	- 5
1. Answer any <u>FIVE</u> Of the following questions. 5X3=15M	
Need of Project Management.	
2) Project Management Philosophy.	
3) CPM Model.	-
W, Feasibility Studies.	
S) Cost Forecasting.	
6) PMIS.	
7) Risk Analysis.	
8) Steps for Closing the Project.	
SECTION -B	
Answer ALL the following Questions 5X8=40M	
9() Explain the Project Management Principals in brief.	
(OR)	
(v) Write the different phases of Project Management.	Ĭ,
(h) Explain the need and role of Project Planning.	
(OR)	
(2) What in brief about the Project Planning process.	
(3) Explain the role and Responsibilities of Project Leader.	
(OR)	
الر) Virite the brief notes on Leadership Styles.	
(S.). Explain the varies steps of Risk Management.	
(OR)	
Write different phases of Purchase Cycle.	
Write the benefits and challenges of Performance Measurement and Evolution.	
(OR)	1
o ' - 1 : the murmore of Project Execution and Control.	
Explain the purpose of Project Execution and Condon	
(P.T.O)	

SECTION -C

Case Study

Answer the following Question

1X15=15M

Located at opposite ends of the country, Northwest Center for Families (NCF) and 19) Southeast Social Services (SSS) are local government agencies specializing in family, child, and school social work in rural areas. After attending a conference on performing social work in small communities, the directors of both organizations return with plans to address the issue of dual relationships, relationships in which social workers maintain both social and professional ties with clients. Each director takes a different approach to the issue.

NCF's director sends out a memo to employees stressing that dual relationships are a conflict of interest prohibited by the organization. In the memo, she states that a dual relationship could be grounds for employee termination and encourages employees to report any non-sanctioned interaction between social workers and their clients. The NCF director's plan also includes the construction of a new employee lounge, with the understanding that employees will eat their lunches in the office, rather than off campus.

The director of SSS holds a meeting with his staff to discuss the organization's role and purpose in the community. He shares what he has learned at the conference: The potential to improve people's lives outweighs any other social or professional interaction that could derail the organization's purpose. The SSS director explains that he will make it his personal mission to solve the problem of dual relationships and asks employees for their input and participation in overcoming this obstacle. The leader explains that all employees must work together to reform the organization in order to better serve the community.

Questions:

- 1. What type of leadership is practiced at NCF, transactional or transformational? How 2. What type of leadership is practiced at SSS, transactional or transformational? How
- ao you know:
 3. Which style of leadership would you recommend for a human service organization?
- Explain your answer

	KAKARAPA	RTI BHAVANA G III – SEMEST	RAYANA COLL	Rep EGE (AUTONO IINATIONS	ga No: DMOUS)
	-	G III - D-			. 70
Class	: II MBA			Max Marks Pass Mark	: 70
Subject	: Management	ariour And Mark	eting Research	Duration	
Title of Pape	: Management er : Consumer Beh	vT		Time	
Paper Code	. KZUMDASOSM	K I		Date	
W.E.F	: 2021-22		ODO	- 410	02 02 2
			SECTION-A		
I. Answer a	ny <u>FIVE</u> of the f	ollowing Quest	ions		5X3=1
1. Consume	er Behavior				
2. Ethical Is	ssues				
3. Dynamic:	s of Perception				
4. Models of	f Consumer Beha	vior			
	lection for Market	2			
6. Family D	ecision making				
7. Diffusion	of Innovation				
8. Product F	Research format				
o. Hodact I	tooodi oii ioiiiii		SECTION-B		
	ATT the followin	« Onestions	SECTION-B		5X8=
II. Answer	ALL the following	g Questions			
	mer is the King of				
11. What is	Perception? Expl	ain the Percepti	on Process. (OR)		
12. What is	meant by motiva	tion? Explain its		h reference to	consumer beh
12 Heing H	Ioward-Sheth Mod	del describe the	sumer heha	wior process	towards buying
	owa silver mo	aci, acscribe the		WILL DIOCESS	towards buying
dream h	ome		Consumer Series	Will process	towards buying
dream h	iome.	•		Will process	towards buying
dream h			(OR)		towards buying
dream h	e the factors gove		(OR)		towards buying
dream h	e the factors gove	erning the const	(OR) amer decision pr	ocess?	
dream h	the significance	erning the const	(OR) amer decision pr	ocess?	
dream h	the significance	erning the const	(OR) amer decision pr	ocess?	
dream h	the factors gove	erning the const	(OR) amer decision processes to manuf	ocess? acturers in de	
dream h	the factors gove	erning the const	(OR) amer decision processes to manuf	ocess? acturers in de	
dream h	the significance of various forms of	erning the constant of marketing responses to the personal influences.	(OR) amer decision processes to manufactor (OR) nce in consumer	ocess? acturers in de	etermining mark
dream h	the significance of various forms of	erning the constant of marketing responses to the personal influences.	(OR) amer decision processes to manufactor (OR) nce in consumer	ocess? acturers in de	etermining mark
dream h 14. What ar 15. Discuss strategy 16. Discuss 17. What do	the significance of various forms of	erning the constant of marketing response influences by coding of da	(OR) amer decision processes to manufactor (OR) nce in consumerate ta? Explain why	ocess? acturers in de behavior.	etermining mark
dream hat are the strategy of	the significance of various forms of the process of M	erning the constant of marketing resonal influence by coding of dataset by	(OR) amer decision processes to manufactor (OR) nce in consumerate ta? Explain why	ocess? acturers in de behavior.	etermining mark
dream hat are the strategy of	the significance of various forms of	erning the constant of marketing resonal influence by coding of dataset by	(OR) amer decision processes to manufactor (OR) nce in consumerate ta? Explain why	ocess? acturers in de behavior.	etermining mark

19. In June 2010, C.K. Ranganathan, 50, founder of CavinKare, suffered a drug allergy. The enforced six-month break same line. enforced six-month break gave him much needed time to reflect on the business he founded as a partnership firm book in 1005 as a partnership firm back in 1983. On the face of it, Ranganathan had reasons to feel satisfied. In business circles Const satisfied. In business circles, CavinKare is a legend - the David of the fast moving consumer goods, or FMCG sector which goods, or FMCG, sector, which successfully took on Goliaths like HUL, and P&G. Cavinkare's first and most memorable in the successfully took on Goliaths like HUL, and page in tiny, lowfirst and most memorable innovation, in 1983, was the sachet: it sold shampoo in tiny, low-priced sachets at a time when the sachets are sachets as a time when the sachet sachets are sachets as a sachet sa priced sachets at a time when the big players only marketed it in high-priced bottles. By doing so it discovered a vast, untapped market and forced its big rivals to follow suit. Today 87 per cent of shampoos sold in India are in sachets, of which CavinKare has a 30percent share. Yet Ranganathan was worried. He was concerned that around seven of every 10 innovations presented to him were aimed at the relatively low-end segment of consumers. No doubt it was this segment that brought CavinKare its initial success, and still provided about 60 per cent of the company's revenues, but Ranganathan wanted to target the premium segments, where margins were much higher. He also felt that CavinKare had become a somewhat reactive organisation and his people were not learning enough. "Innovation is important but without the right culture, it cannot be sustained. " Ranganathan got back to work in December 2010 with definite ideas about how he wanted CavinKare to change.. His first task was to get the employees to become more achievement oriented. He introduced a new working system for better and faster product development, shifted Cavin Kare's marketing office from Chennai to Mumbai and began looking around for acquisitions and tie-ups to bring premium products under his company's umbrella. The workforce was divided into creators (research and development, or R&D, marketing and sales), enhancers (production, purchase, logistics and supply chain) and protectors (accounts, finance and management information system). "Creators are the key group. Their performance is critical The bulk of the resources are targeted at them," says Ranganathan. Brainstorming meetings on Monday were also started. "These meetings speeded up the process of product development as decisions were taken on the spot," says T.D. Mohan, Joint Managing director. Ranganathan also got 3 the team to start anticipating the competition's moves and prepare to counter them early. This helped when, earlier this year; rival Pantene slashed its shampoo sachet price from Rs 1.50 to Rs 1 to match CavinKare's Chik. "We had the response - a better formulation of shampoo - ready and launched it in less than a month. It was an improved product at the same price," says T.Mukhopadhyay, Executive Vice president, and R&D. Profitable growth was chosen as the theme for the company's annual conference in April 2011. The 'creators' were asked to come up with innovations that targeted the high April 2011. The creators and 60 per cent of our revenues to come from the premium end of the market. "We want 60 per cent of our revenues to come from the premium end of the market. We want of reason also embraced the 'Blue Ocean Strategy' to segment," says Ranganathan. CavinKare has also embraced the 'Blue Ocean Strategy' to segment, says Ranganathan. Spaces and create products to fill them. For instance, it identify uncontested market spaces and be washed at identify uncontested market space, it least 30 to 45 minutes to 111 them. For instance, it launched Indica 10, a hair dye which can be washed off within 10 minutes of applying it. launched Indica 10, a nan dye in least 30 to 45 minutes to take effect. The company has set Rival hair dye brands require at least 30 to 45 minutes to take effect. The company has set Rival hair dye brands require at 2000 crore by 2017/18. Ranganathan's reforms have already itself a revenue target of Rs 5,200 crore by 2017/18. Ranganathan's reforms have already itself a revenue target of RS 3,200 and development time has shrunk to 11 months from 12 started yielding results. The product development time has shrunk to 11 months from 12 started yielding results. The production of the started yielding results as also making a conscious effort to expand its pan-Indian months earlier. CavinKare is also making a conscious effort to expand its pan-Indian months earlier. CavinKare is also making a conscious effort to expand its pan-Indian months earlier. months earlier. Cavinkare is also new thrust towards tie-ups, as well as towards presence. Pursuing Ranganathan's new thrust towards tie-ups, as well as towards presence. Pursuing Kanganama.

presence, the company has entered into a strategic alliance with improving premium market presence company. Coty Inc. - the world's largest fragrance company.

Questions:

1) Can the introduction of sachets by Cavin Kare be classified as a disruptive innovation in the

shampoo market? Why or Why not?
shampoo market? Why or Why not?
2) Discuss the areas where Mr.Ranganathan focussed to develop an innovative culture at CavinKare

2) Discuss the areas where Mr.Ranganathan focussed to develop an innovative culture at CavinKare 2) Discuss the areas where Mr.Ranganatha.

3) What challenges do you anticipate for Cavin Kare in the coming years?

Reg	d No:			Roo	m No:
riog		KARAPARTI BHA	VANARAYANA C MESTER END EX	OLLEGE (AUTONOM	ous)
Title	oject : M e of Paper : P er Code : R	MBA Management Product & Brand M 20MBA304MKT 021-22		Max Marks Pass Mark Duration Paper Time Date	: 30 : 3 Hrs
			SECTION - A	<u>.</u>	5X3=15M
		IVE Of the follow	ing questions.		370-10112
	lew Product				
3-	Explain Produ				
3 E	Explain Posit	ioning.			
' [Explain Mode				
5 E	Explain Bran	ding Decisions.			
6 E	Explain Bran	d Audit.			
/	Explain Bran				
8. E	Explain Types	s of Brands.			
		c 11	SECTION -B		5X8=40M
Ansv		following Questic	ons		
Q ·	Explain Pro	oduct Life Cycle.	(OR)		
10 Li	Explain var Explain the	rious Product Deve Elements of Produ	lopment Strategie act Positioning. (OR)	s.	
12	Explain Var Explain Bra	rious Product Mix I and Life Cycle.	Decisions. (OR)		
	What is Dro	nd Management?	•	Steps involved in Bra	nd Management
14	Process.	nd Management.	Dripiers -	opo mitoriou m Dia	
15		hods for Measurin	g Brand Equity. (OR)		
16		nding? Explain va of Takeover and N		nvolved in Multiple E Development.	Branding.
17	What is Bra	nd Success? Expl	ain Various Succ	ess Strategies.	
. ,			SECTION -C		
			Case Study		
Answ	er the follo	wing Question			1X15=15M
2 M Int	r. KARTIKEY roduction an	wanted to Estab	lish New Product tivities? ****	in India. Suggest y	ourself for Brand

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Regd No:	Room No:
Regd No: KAKARAPARTI BHAVANARAYANA COLI PG-III SEMESTER END EXAM	LEGE (AUTONOMOUS) MINATIONS
Class : II MBA	Max Marks :70
	Pass Mark : 28
Title of Paper: Performance & Reward West State	Duration : 3 Hrs
Paper Code : R20MBA305HRM	Paper Time : 9am to
WEF : 2021-22	Date : 27 01
SECTION - A	
1. Answer any FIVE Of the following questions.	5X3=
Define Prerequisites.	
2 Concept of Fringe Benefits.	
3 What is Competitiveness and Equity?	
Define HR Score Card.	
5 What are the Concepts in Performance?	
6 Role Efficiency.	
7 Objectives of Reward Management.	
2 Define Compensation?	
Answer ALL the following Questions	5X8=
What are the Characteristics of an Ideal Pm System (OR) O Define Performance Management? Explain the Fa	
Management?	
U Discuss about Traditional Methods and Modern N System?	Methods in Performance Apprai
(OR)	
2 Discuss the Diagnosing the Causes of Poor Perfor	rmance?
13 Explain Components and Process of Personal Dev	velopment Plans.
(OR)	Car Derformance Consulting
What is Performance Consulting? Discuss Need f	or Performance Consuming.
15 What is Reward Management? Explain Objective	s of Reward Management.
· · · · · · · · · · · · · · · · · · ·	and Promotion Pol
Explain the Concept of Performans	ept Flamming with 1 to 110 to
Explain the Concept of Performance Linked Care	eer Flamming and Frontedors
Explain the Concept of Performance Linked Care What are the Retirement Benefits Including VRS	Golden Hand Shake Schemes
Explain the Concept of Performance Linked Care	Golden Hand Shake Schemes

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SECTION -C

Case Study

Answer the following Question

1X15=15M

Crystal Hindustan Limited has to retrench 120 surplus workers at its Nasik Factory. Among them 60 workers belong to the age group of 50-58, 40 belong to the 40-50 age groups and the remaining belongs to the 30-40 age groups. Interestingly ,most of the workers in the first two groups get the same average monthly salary of Rs. 10,000. The company's consultant has offered two parameters for computing the VRS compensation viz. Parameter 1: 15 days salary for every full year of service completed and two months salary for every full year of service left. Parameter 28 weeks salary for each year completed and 3 weeks salary for each year left. A worker will get which ever is less among the two. Further he/she must have served the company for at least 10 years.

As per provisions of the Income Tax Act, a worker is eligible for maximum nontaxable VRS amount of Rs. 5 lakhs. The company is thinking to club the VRS with a comfortable 'Crystal VRS pension for a maximum period of 10 years. It expects that each employee would expect lump sum compensation up to the nontaxable limit and the taxable portion through a comfortable pension scheme. It is also rightly assumed that an annual5% growth in compensation would be otherwise expected by each employee.

The company can always think of a cost-natural approach in designing the VPS, to get rid of these extra employees. Yet, it should search for a profitable solution while implementing the VRS. It is a well-known fact that employees prefer a risk-free rate of return of 12% pa, whereas the company's average cost of capital is at 17%.

Questions:

- (a) What are the salient features of a good wage policy, for handling a VPS strategically?
- (b) How would you retain the wanted employee, as you attempt to get rid of the "unwanted" employees?
- (c) What is your strategic advice for crystal?

Room No: _		ATANARAD		Pord No.	
	KAKARAPARTI BH	EMESTER END	COLLEGE (A	UTONOMOUS	
Class	: II MBA	-410	EAAMINATIO	ONS	
Subject	Monogent	. 16	Max Marks Pass Mark	3:70	
Title of Paper	: Financial Institutions	Arid Markets	Duration	: 28 : 3 Hrs	
Paper Code	: R20MBA305FIN		Time	: 9am to	12 pm
W.E.F	: 2021-22		Date		2023
		SECTI	ON-A	0/10/1	2025
I. Answer an 1. New Issue	y <u>FIVE</u> of the following Market	Questions	<u>UN-M</u>		5X3=
2. NABARD					
3. Indian Bar	nking System				
1	nds in capita! market				
5. SEBI	-				
6. ADB	*				
7. Commodity	Market				
8. IRDA					
		SECTIO	N-B		
II. Answer Fil	L the following Questic	ns	<u> </u>		5X8=
/	ancial System. Explain th	(OR)		-	
10. P xplain t	he Role of Financial Marl	kets in Economic	development	•	
11. What are	the functions of RBI. Ex	plain the RBI Mo	netary Policy.		
		(OR)			
	ne role of NBFCs in the E		oment.		
13. Explain th	ne objectives & functions	of IBRD.			
1	1 CD (D : -	(OR)			
4. Explain th	ne role of IMF in Internat	ional Monitoring	Co-operation	•	
	pital Market. Discuss dif	1		Capital Marke	ets.
16. Explain th	e role of Stock Exchange	es in Secondary	Market.		
17. What is m	eant by Money Market. I		Sub Markets	of Money Mar	ket.
18. Define For	eign Exchange Market?	(OR) Explain the fund	tions of Foreig	gn Exchange N	larket.
19. What is m	eant by Derivatives? Illus	SECTION-C	1X15=15M	ives with exam	ıples.

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			Room	No:
Regd No:	DE	LAVANARAYANA COLLE	GE (AUTONOMO	US)
	KAKARAPARTI BE	EMESTER END EXAMI	NATIONS	
Class Subject Title of Paper Paper Code W.E.F	· II MBA	& Protifolio Management	Max Marks	: 75 : 30 : 3 Hrs : 9am to 12pm : 30 01 2023
		SECTION - A		
1. Answer ar	ny <u>FIVE</u> Of the follo	wing questions.		5X3=15M
I Investmen	nt Vs. Speculation.			
	ristics of Investment.			
,~				`
<u></u>	alue method.	ues.		
T	c forecasting techniq			
1	verage Analysis.			
2	walk theory.			
1	ation of risk.			
8 Portfolio	revision.	SECTION -B		
Answer ALL	the following Ques	LA	55	5X8=40M
		ain different types of Inves	stment avenues.	
1	10 111 10 111	(OR)		
10 What is	s risk? Discuss differ	ent types of Risks in Inve	stment.	
10				
Discus	ss about various type	s of share valuation meth	loas.	
		(OR)		
2 Explai	n different types of b	ond valuation methods.		
12 's fund	amental analysis is i	mportant for investing in	stock market. Di	scuss.
		(OR)	•	
Meanir	ng of Technical Analy	sis. Explain about variou	s tools of technica	ıl analysis.
· ·				
Discus	is the importance of	efficient Market Hypothes	S1S.	
		(OR)		
6 Explair	n the process of Portf	olio Management.		
)·			1920 WW.	
Discuss	s various methods of	portfolio performance of	evalution.	
10 " 0	.,	(OR)		
G "CAPI	vi can be used to eva	luate the Pricing of Secur	ities", Discuss.	(P.T.O)
.*		3		(2.2.0)

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SECTION -C

Case Study

Answer the following Question

1X15=15M

The historical rates of return of two securities over the past ten years are given.

Year	1	0	- 500	urrico		o paoc			5.11	-11.
1 Cai	1	2	3	4	5	6	7	8	9	10
Security-1 Return (%)	12	8	7	14	16	15	18	20	16	22
Security-2 Return (%)	20	22	24	18	15	20	24	25	22	20

Calculate the co-variance and correlation of the two securities

Room No:	CARAPARTI BHAVANARAYA	NA COLLEGE (AII	Regd No:
KAK	PG III - SEMESTER E	PARMINATIO	NS
	agement	Max Marks Pass Mark	: 70 : 28
Paper Code : R20N W.E.F : 2021	MBA306HRM/MBA30-11-	Time Date	: 9am to 12pm : 30/01/2023
	SEC	CTION-A	30/01/2022
 Answer any FIVE Define Training & 	of the following Questions	,	5X3=15M
2. Principles of train	ning design		
3. Out sourcing			
4. Define Human ca	pital		
5. Explain EETS			
6. Role of external a	gencies in T& D		
7. Define TNA			
8. Explain Donald K	Cirkpatrick's evaluation model		
-		TION-B	
	following Questions ept and policies of training & d	levelopment.	5X8=40M
	(OR)	
10. Define the role of	of external agencies in training	design.	
11. What are training	ng needs? Write different types	and components of	of needs.
	(OR)	
12. Explain the mea	aning and significance of training	ng design and deve	elopment.
13. Define training of programmes.	design. Write down different kir	nds of training & o	development
- /		OR)	
	rning environment and flexible		
15. Define reasons f evaluation.	for evaluating training & also ex	xplain the significa	ance of training
		OR)	
16. Explain various	evaluation practices in differen	nt organizations.	
17. What is manager	ment development? Write abou	at the factors affec	cting MDP.
	•	OR)	
18. Define outsourci	ing training. Explain the emerg	ging trends in trai	ning and development.
			[P.T.O]

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III. Case Study (Compulsory)

1X15=15M

III. Case State of Motorola is the world's leading electronics and telecom goods company. It has been adjudged as one of the top employee training companies in the world. Motorola gave utmost importance to training right from its inception. This case describes how training and a strong learning ethic has been an integral part of Motorola's culture. It explains in detail the various employee training and education initiatives undertaken by Motorola University and examines how these initiatives helped in improving employees' productivity, performance and quality of work. The case also describes Motorola's e-learning initiatives and highlights the benefits of e-learning for employee training and development.

Questions:

- a) Understand the best practices in training and development of employees.
- b) Appreciate how the training and development process evolved over the decades at Motorola.
- c) Analyze the role of Motorola University in offering high quality employee training and education programs.

Regd No:	·		Room	No:
H	AKARAPARTI BHAVANARAYAN PG- III SEMESTER EN			US)
Subject : Title of Paper : Paper Code :	E-Commerce & Web Designing		Max Marks Pass Mark Duration Paper Time Date	
W.D.F	2021-22	•		
	SECTION	<u>N –A</u>		5X14=70M
	the following Questions	191 1931 9		SAIT
1. What is	e-commerce. Explain its advantag	ges and disad	vantages?	
	(OR)			
Explain a	about three models of electronic n	narket?		
what is	an e-payment system? Explain di	ifferent types	of e-payment i	methods?
	(OR)			
4. Explain	about online banking?			
Explain	about e-commerce applications in (OR)	n various indu	stries?	
و Explain ه	about online services and online l	learning?		
what is h	ntml and Explain different text for	rmatting tags	in html?	
•	(OR)		•	
S Define li	st? Explain different types of lists	s in html?		
. How to c	reate a table in html give example (OR)	e?		
c [,] Explain a	about frames in html?			

Regd No:						Room	1 No:
		KAKARAPA	ARTI BHAV PG- III SEN	ANARAYAN	A COLLEGE D EXAMINA	E (AUTONOMO	US)
Class : II MCA Subject : Computers Title of Paper: Big Data Analytics Paper Code : R20MCA301 W.E.F : 2021-22						Max Marks Pass Mark Duration Paper Time Date	: 70 : 28 : 3 Hrs : 9am to 12 pm : 19/01/2023
				SECTION	-A		: 19(01)2023
I. Aı	nswer AL	L the follow	ving Questi	One			5X14=70M
1.	Define	Big Data ar	id Explain a	bout Charac	eteristics of E	Big Data.	
_					(OR)		
2	Explain	n Need and	Features of	Big Data En	vironment.		
ý.	2200				ing Big Data	Analytics.	
				(OR)			
4	Explai	n classificati	on of Analy	tics with sui	table examp	le.	
5	What i	s Hadoop ar	id Explain a	bout RDBM	S Vs Hadoop	differences.	
6.	Explai	n the archite	ecture of HD	- 1			
7	` What i	s MongoDB?	Why Mon	goDB? Expla	in about Da	ta types in Mo	ngoDB.
1				(OR)			
8	Explain	n the structu	ire of MapR	educe progra	am with exar	nple.	
9	What i	s Pig on Had	loop? What	are Data typ	es in Pig? Ar	nd explain the	running of Pig.
10	Explain	n the Word o	ount Exam	ple using Pig	g.		

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Regd No:	Room No:
KAKARAPARTI BHAVANARAYANA PG- III SEMESTER END	COLLEGE (AUTONOMOLIE)
Class : II MCA Subject : Computers Title of Paper : Mobile Computing Paper Code : R20MCA302 W.E.F : 2021-22	Max Marks : 70 Pass Mark : 28 Duration : 3 Hrs Paper Time : 9am to 12pm Date : 21 01 2023
SECTION -	
I. Answer ALL the following Questions	5X14=70M
Explain the architecture of Mobile Computi Computing?	ng? What are the issues related to Mobile
(OR)	
2) Discuss the Android and Blackberry Operat	ing System? Explain its features?
3). Explain in detail Medium Access Control?	
(OR) (OR) (OR)	
S) Write note on network aspects in GSM? (OR)	
6) Explain about CiPRS network architecture?	
Write in detail Snooping TCP and Mobile TC (OR)	P?
Explain as sumptions and entities in Mobile	Technology2
Discuss the Wireless Lan Architecture?	
Explain about UNTS	

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Reg	gd No:	KAKARAPARTI B	HAVANARAYANA	COLLEGE	Room N	o:
		KAKARAPARIT	SEMESTER ENI	EXAMINATION	AUTONOMO	ous)
		PG III	1100	Mon Mar	IONS	
Cla	SS	: II MCA		Max Marl	ks:70	
Sul	bject	: Computers	The late	Pass Mar	k:28	
Titl	e of Paper	: Artificial Intelligend	ce .	Duration	: 3 Hrs	
Par	per Code	: R20MCA303		Time	: gans	to 1200
W.F		: 2020-21		Date	i	-10003
** .1	J.1	. 2020 21	SECTION-		. 2	to 12pm 2/2023
T A	-amor tha	following Overtion	15	-		5X14=70M
1.	Define Al	following Question ? Explain the chara	acteristics of AI pro	blem.		32214 70112
	•		(OR)			
2	, Explain i	n detail about the m	ean end analysis p	rocedure witl	n example	
~	Discuss	various issues and a	pproaches to Know	vledge Repres	sentation?	
J			The state of the s	8		
			(OR)			
4	Different	iate between declara	tive and procedura	d representat	ion of know	ledge.
′						
5		emantic net and fran		ample.		
			(OR)			
6	What is no	n – monotonic reaso	ning? Explain the	logics used fo	or non – mo	notonic reasonin
			(是)			
1	Briefly di	scuss various compo	onents of Planning	System		
			· Franks			
			(OR)			
8	- Explain v	arious steps of Natu	ral Language Proc	essing in deta	ail	
			Buage 1100			
9	Write a sl	hort notes on Case E	Based Reasoning E	xpert System	ıs	
		*	(OR)			
10	Explain (i	Expert System She	lls and (ii) Knowle	dge Acquisiti	on	•

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Regd No:	Room No:
KAKARAPARTI BHAVANARAY PG- III SEMESTER	YANA COLLEGE (AUTONOMOUS) END EXAMINATIONS
Class : II MCA Subject : Computers Title of Paper: Machine Learning Paper Code : R20MCA304 W.E.F : 2021-22	Max Marks : 70 Pass Mark : 28 Duration : 3 Hrs Paper Time : 9am to 12pm Date : 25 01 2023
SECT	ION -A
I. Answer ALL the following Questions	5X14=70M
 Explain about supervised learning and supervised learning and unsupervised 	1 ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
_ (0	OR)
What are elements of Reinforcement Le	earning?
Write Classification And Regression Treexample?	
	OR)
Explain Support Vector Machine (SVM	l) with s suitable example?
5 Explain K-means clustering with suita	able example?
What is Dimensionality Reduction? Ex Analysis (LDA) for dimensionality redu	plain in detail about Linear Discriminate uction?
7 . Explain in detail about the following	
	yes' Estimator
	OR)
Explain about K-Nearest Neighbor (KN	N) Estimator?
9 '= Explain the applications of IoT device	s? OR)
10 Explain Developing a simple Math Ser	

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Regd No:				Room No:			
	K	AKARAPARTI BHA PG- III SE	VANARAYANA COLI MESTER END EXAM	LEGE (AUTONOMO MINATIONS	US)		
Subject : Title of Paper : Paper Code :		II MCA Computers Software Testing & R20MCA305 2021-22	Fault Analysis	Max Marks Pass Mark Duration Paper Time Date	: 70 : 28 : 3 Hrs : 9am to 12p : 27 01/202		
			SECTION -A				
I. An	swer ALL	the following Ques	tions		5X14=70M		
1.	Explain	the various Testing	Techniques in Detail.				
			(OR)				
2.	Explain t	the V shaped softwar	e Life cycle model in	detail.			
3	Write a r	notes on SRS Docum	ent verification.				
			(OR)				
4.	Explain	Software Metrics use	ed in Testing.				
5	Describe	Equivalence class T	esting.				
			(OR)				
6	the value testing.	es of X, Y, Z lies in the	mination of largest ar ne interval [1,300]. Pr	nong three number epare the test cases	s X, Y, Z where for robustness		
.7	Describe	the strategies of cor	trol flow testing in de	etail.			
			(OR)				
8	Explain t	he Mutation Testing	in detail.				
.9	What is (Object Orientation. E	xplain Object Oriento	ed Testing in detail.			
10	, Explain s	state based testing a	nd class based testin	g with examples.			

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Roo	m No:KAKARAPARTI BHAVANARAY	ANA COLI	EGE (AUTO	Regd No: _	
	KAKARAPARTI BHAVARIA PG III - SEMESTER	END EXA	MATIONS		
Title	: II MCA ect : Management of Paper : Personality Development er Code : R20MCAOE306		Max Marks Pass Mark	3:70	
		ECTION-A			
I. A	nswer any <u>FIVE</u> of the following Questi	ions			5X3=15M
	Define the term Personality.	, al			
2.	List out communication styles.				
3. F	Recall the term Multi-cultural Dressing.				•
4. F	Recite workplace.				*
5. V	What is stress?				
6 . \	What is time management?				
7. F	Restates the Importance of Body Languag	e in Genera	al.		
8. V	hat is Confidence?				
	<u>s</u>	ECTION-B			
	nswer <u>ALL</u> the following Questions				5X8=40M
9. I	Explain the importance of personality dev	elopment.			
10.	List out and summarize the body langua	(OR) age tips for	personality o	development	
11.	Illustrate the Personal Grooming rules t	to get the S	uccess in ca	reer.	
12.	Explain how to dress appropriately for a	(OR)	casual envir	onment.	
	What is persuasion? Explain different P				
		(OR)			
14.	enumerate the techniques in Impression	n Managen	nent.		
15.	Elucidate the causes of conflicts.				
16.	Discuss various types of Interpersonal r	(OR) relationship	p.		
17.	Enumerate steps involved in time mana	igement.			
		(OR)		5	
18.	Elucidate the types and causes for stre	ess.			(P.T.O)

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SECTION-C

III. Case Study (Compulsory)

1X15=15M

- 19. Once a group of 50 people was attending a seminar. Suddenly the speaker stopped and decided to do a group activity. He started giving each one a balloon. Each one was asked to write his/her name on it using a marker pen. Then all the balloons were collected and put in another room. Now these delegates were let in that room and asked to find the balloon which had their name written, within 5 minutes. Everyone was frantically searching for their name, colliding with each other, pushing around others and there was utter chaos. At the end of 5 minutes no one could find their own balloon. Now each one was asked to randomly collect a balloon and give it to the person whose name was written on it. Within minutes everyone had their own balloon. The speaker begun exactly this is happening in our lives. Everyone is frantically looking for happiness all around, not knowing where it is. Our happiness lies in the happiness of other people. Give them their happiness; you will get your own happiness. And this is the purpose of human life.
 - a. What according to you does this case-let tells us when it says, 'that our happiness lies in happiness of other people'?
 - b. Do you agree that everyone is really looking for happiness all around without knowing about it? Why?

Regd No: 21 004 007

Room No: 227

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS) PG III SEMESTER END EXAMINATIONS

Class : II M.Sc.(OCH)
Subject : Chemistry

Title of Paper: Advanced Organic Spectroscopy

Paper Code : R200CH301

W.E.F : 2020-21

Max Marks

: 70

Pass Mark Duration

: 3 Hrs

Paper Time

: 9am to 12pm

Date

: 1/03/2023

SECTION -A

I. Answer ALL the following Questions

5X14=70M

- 1. i) Explain the Similarities and differences between 13C NMR and Proton NMR spectroscopy.
 - ii) Write a short note on coupling constants.

(0)

- 2. Explain Chemical Shift values for various carbons in fallowing compounds.
 - i) 1-Hexyne. ii) Sec-Butyl bromide. iii) Ethyl benzene.
- 3. Deduce the structure of the compound from the spectral data given below:

Molecular formula: C4H6O

UV, λ max: 218 (εmax 18000), 320 (εmax 30)

IR, cm⁻¹ :2855(w), 2740 (w), 1700 (s) 1650 (m)

HNMR (6 ppm): 9.7 (IH, d); 6.7 (1H, m, dq); 6.9 (1H, dd (J= 7 and 17 Hz);

2.5 (3H,d).

(OR)

- 4. A carbonyl compound A (molecular formula C₃H₆O) gives a singlet at δ 2.17 in its PMR spectrum. When it is treated with C₆H₅CHO in dilute ethanolic NaOH, it forms B which gives the following data:
 - i) Molecular formula B: C17H14O
 - ii) IR, cm⁻¹: 3025, 1665, 1630, 1600, 1495, 763, 753.
 - iii) ¹HNMR, δ ppm: 7.05 (2H, d(J= 18 Hz); 7.60 (10H, m); 7.82 (2H, d (J=18 Hz).

Determine the structure of A and B.

5. Explain definition and importance of NOESY, INEPT, HETCOR.

OR

6. Explain definition and importance of HOMOCOR, HET2DJ

7. i) Explain Octant rule.

ii) Explain the terms ORD and CD

(OR)

- 8. Define "Haloketone rule", Explain, giving one example, how this rule could be used for the determination of absolute configuration of an organic compound
- 9. i) Write a note on Zero-Field splitting in ESR, Kramer's Degeneracy?
 - ii) Explain Hyper fine splitting and factors effecting "g" value

10. i) Explain isotopic and anisotropic coupling constants?

ii) Write the applications of ESR Spectroscopy to phenyl and naphthalene radicals?

Regd No: 2100Ho13 Room No: 827 KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS) PG III SEMESTER END EXAMINATIONS Class : II M.Sc. (OCH) Max Marks :70 Subject : Chemistry Pass Mark :28 Title of Paper: Organic Reactions & Mechanisms Duration : 3 Hrs Paper Code: R200CH302 Paper Time W.E.F : 2020-21 Date SECTION -A I. Answer ALL the following Questions 5X14=70M 1. Write a note on Oxidations by using SeO2 and KMNO4.

2. Write the synthetic applications of.

a) Ruthenium tetroxide

- MnO_2
- 3. Write the synthetic applications of LIAlH4 and DIBAL.

- 4. Write the +synthetic applications of NaBH4 and Diimide.
- 5. a) Write a short note on Wagner Meerwein rearrangement.
 - b) Explain the following rearrangements

a) Curtius rearrangement

b) Baeyer villiger rearrangement

(OR)

- 6. a) Write a note on Pinacol Pinacolone rearrangement.
 - b) Explain the following rearrangements.

a) Beckmann rearrangement

- b) Favorskii rearrangement.
- 7. a) Draw the molecular orbitals of 1,3 buta diene and 1,3,5 Hexa triene.
 - b) Write the correlation diagrams for (4n+2) electro cyclic reactions?

(OR)

- a) Explain the terms CON rotatory and DIS rotatory motions?
 - b) Explain FMO approach for (2+2) cyclo additions
- Explain the following reactions with mechanisms.
 - a) Paterno buchi resction.
 - b) Photo Fries rearrangement.

(OR)

- Explain Norrish type -I and Norrish type II reactions with examples.
 - Write about Di n methane rearrangement.

Regd No: BROCHOLY

Room No: 22

:70

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS) PG III SEMESTER END EXAMINATIONS

Class: II M.Sc. (OCH)

Max Marks

Subject : Chemistry

Pass Mark : 28

Title of Paper: Modern Organic Synthesis

Duration : 3 Hrs

Paper Code: R200CH303

Paper Time : Qa

W.E.F : 2020-21

Date

fam To (2.pm)

SECTION -A

I. Answer ALL the following Questions

5X14=70M

- 1. Write a note on the following.
 - 1) Alkylation of enolate.
 - 2) Umpolung reaction.

(OR)

- 2. i) Explain the preparation and synthetic applications of Sulphur ylides.
 - ii) Explain the formation of Carbon-carbon single bond by the addition of free radicals to alkenes.
- 3. Write a note on the following.
 - ij Claisen rearrangement of Thy vigethers.
 - ii) Witting reaction.

(OR)

- 4. i) Explain the Reductive dimerization of carbonyl compounds.
 - ii) Explain the Oxidative decarboxylation of carboxylic acids.
- 5. i) Explain the "Intra molecular Diels -Alder reaction" with suitable examples.
 - ii) Explain different types of heterodienophiles.

(OR)

- 6. i) Write a note on Photosensitized Diels -Alder reactions.
 - ii) Write a note on ene reactions.
- 7. Write a note on the following terms.
 - i) Synthetic equivalent.
 - ii) Functional Group Inter Conversion.
 - iii) Functional Group Addition.

(OR)

- 8. Write a note on the Linear and Convergent synthesis.
- 9. Explain Protection and deprotection of Carbonyl groups and Carboxylic acids.

(OR)

10. Explain Protection and deprotection of Hydroxyl groups and Amino groups.

Regd No: 210401

Room No: 22/

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS) PG III SEMESTER END EXAMINATIONS

: II M.Sc. (OCH) Class

Max Marks

: 70

Subject

: Chemistry

Pass Mark

: 28

Title of Paper: Chemistry of Natural Products

Duration

: 3 Hrs

W.E.F

Paper Code: R200CH304

Paper Time

: 9an to 12pm : 13 03 2023

Date

SECTION -A

I. Answer ALL the following Questions

: 2020-21

5X14=70M

1. Write the general methods for structural elucidation of alkaloids.

(OR)

- Write the structural elucidation and synthesis of Nicotine
- 3. Write a note on the following.
 - b) Isoprene rule a) Classification of Terpenoids

(OR)

- 4. Write the structural elucidation of Zingiberene.
- 5. Explain the structural elucidation of Cholesterol.

- 6. Explain the structural elucidation and synthesis of Testosterone.
- 7. Discuss the structural elucidation and synthesis of Kaempferol.

(OR)

- 8. Discuss the structural elucidation and synthesis of Quercetein.
- 9. Give the classification of
 - a) Natural pigments b) Carotenoids

10. Describe the structural elucidation and synthesis of a- Carotenoid.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS) Regd No: 2/ocholy PG III - SEMESTER END EXAMINATIONS M.Sc (ACH/OCH) Max Marks: 70 : Management Paper: E-Commerce And Web Designing Pass Mark: 28 R20ACHOE307/R20OCHOE307 Duration: 3 Hrs Time : 2020-21 Date : YO 03 2023. SECTION-A I. Answer ALL the following Questions 1. Define Internet. Explain the History, Advantages and Disadvantages of Internet. 5X14=70M (OR) 2. Define E-Commerce and write the Advantages and Disadvantages. Explain the

- E-Commerce Transactions on World Wide Web.
- 3. Explain the concept of Digital Signatures in detail.

(OR)

- 4. Explain the concept of Online Banking in detail.
- 5. What are the Advantages and Disadvantages of Online Transactions? Discuss about E- Commerce Applications in various Industries.

- 6. Describe the Online Services and Online Learning.
- 7. Define HTML. Explain the Basic Structure of HTML with an example.

(OR)

- 8. Discuss about various Lists in HTML with examples.
- 9. Explain the concept of Tables in HTML with an example.

(OR)

10. Explain the concept Frames in HTML with an example.

Regd No: Room No: 226 KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS) PG- III SEMESTER END EXAMINATIONS Class: II M.Sc. (ACH) Max Marks : 70 Subject : Chemistry Pass Mark : 28 Title of Paper: Separation Methods Duration : 3 Hrs Paper Code: R20ACH301 Paper Time : 2021-22 W.E.F Date SECTION -A I. Answer the following Questions Write a note on the following 14M i) Development and validation of analytical method. ii) Importance of separation methods with one example? Explain the following terminology in Chromatography Retention Time ii) Efficiency of Column. iii) High Equivalent Theoretical Plate (HETP) iv) Van Demeter equation? Discuss the following 14M i) Synthetic ion-exchange resins ii) Properties of exchange resins iii) Ion-exchange mechanism? Discuss the applications of Ion Chromatography in the analysis of water and air 4. pollutants. Write the principle and instrumentation of Gel Exclusion chromatography and 5. discuss its applications for organic compounds. 14M Write the principle, instrumentation and applications of Capillary electrophoresis. Discuss the different sampling techniques for sampling of liquids. 14M Discuss the different types of samplers for sampling the gases. 8. Write about the following 14M i) Principle in Solvent extraction ii) Different types of solvent extractions iii) Distribution law and Partition coefficient? Discuss the applications of solvent extraction in metallurgy.

Room No: 226

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS) PG- III SEMESTER END EXAMINATIONS

Class : II M.Sc. (ACH) Subject

: Chemistry

Title of Paper: Spectroscopic Methods

Paper Code: R20ACH302 W.E.F : 2021-22

Max Marks

: 70

Pass Mark

:28

Duration

: 3 Hrs

Paper Time Date

: 9am -12pm : 09/02/202

SECTION -A

I. Answer the following Questions

1. (a) i) Write a note on off resonance decoupling

14M

- ii) Write the differences and similarities of ¹³C NMR and Proton NMR?
- Explain Chemical Shift values for various carbons in fallowing compounds.
- a) Ethyl benzene b) Acetophenone c) Sec-Butyl bromide?

Deduce the structure of the compound from the spectral data given below:

14M

Molecular formula: C5H8O2

UV, λ max: shows no intense UV absorption above 200 nm

IR: 1740 cm-1

¹HNMR (δ ppm): 4.0 (2H, t); 2.20(2H, m); 2.35 (1H, m) 1.15 (3H, d).

Significant spectral features of an organic compound are given below:

Molecular formula: C₈H₁₄O

IR, cm⁻¹: 3500, 3300, 2100.

¹HNMR, δ ppm: 1.0 (6H, d); 1.5 (3H, S); 1.6 (2H, d),1.9 (1H, m); 2.3 (1H, s);3.1 (1H, s)

exchange with D2O)

CMR, δ ppm: 23, 24, 30, 50, 68, 71, 87.

Assign suitable structure to the compound and account for the data.

Describe the principle and applications of electron energy loss spectroscopy.

Illustrate the principle and applications of X-Ray spectroscopy.

Define "Octant rule", Explain, giving one example, how this rule could be used for the determination of absolute configuration of an organic compound. 14M

i) Explain Haloketone rule.

- ii) Explain simple ORD and anomalous ORD curves.
- Explain basic Principle and Instrumentation of Electron Spin Resonance 14M Spectroscopy?
- i) Write about Zero-Field splitting &, Kramer's degeneracy in ESR? ii) Explain hyperfine splitting and factors affecting g-value.

Regd No:	Room No:_	226
KAKARAPARTI BHAVANARAYANA COLI PG- III SEMESTER END EXAM		
class : II M.Sc. (ACH) Subject : Chemistry Sitle of Paper: Applied Analysis Paper Code : R20ACH303 V.E.F : 2021-22	Paper Time : 9	Carlo
Answer. the following Questions	5 × 14	= 70M
Answer. the following Questions Write an account on the analysis of following. (i) Total Iron in Iron ore		14M
(ii) Total Manganese in Manganese ore (iii) Chromium in Chromite ore		
. Write a note on the analysis of Alumina, Silica and	l Titania in Bauxite ore.	14M
Write the analysis of Copper and Zinc in Bronze.		14M
Write the analysis of Chromium and Silicon in Fer	rochromium.	14M
Write an account on Proximate and Ultimate analy	rsis.	14M
Write an account on analysis of Moisture, Total Nit	trogen and lime in soil.	14M
Write a note on Saponification number and Iodine	number present in oils.	14M

Explain the determination of moisture content in drugs and other samples by using 10. Karl- fisher reagent.

Analyse Volatile matter, Total alkali and Total fatty matter present in Soap.

Write the analysis of BaSO4 and lead chromate present in paints.

8.

14M

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d No: 20 ACHOOY

Room No: 286.

14M

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS) PG- III SEMESTER END EXAMINATIONS

:70 : II M.Sc. (ACH) Max Marks class :28 : Chemistry Pass Mark Subject :3 Hrs Title of Paper: Instrumental Methods of Analysis Duration

Paper Time

Paper Code: R20ACH304 Date : 2021-22 W.E.F

SECTION -A

the following Questions

Describe the applications of Flamephotometry and A.A.S.

2 Explain the chemical and spectral interferences involved in A.A. S and explain preventive 14M methods.

14M Discuss the instrumentation and any two applications of D.T.A.

14M Up Write the principle, instrumentation and applications of D.S.C.

14M Explain following iii)ILkovic equation. i) Migration Current ii) Halfwave potential

6 What are Amperometric titrations and write its applications. 14M

Explain the principle and instrumentation of Electrogravimetric Analysis. 14M

Determine the Cu, Pb, Sn in Brass by controlled potential electrolysis. 14M

Describe the principles -working instrumentation of Coulometry. 14M

Illustrate the applications of Coulometric methods for the analysis of Cations. 14M
