### Semester-V

		Banking and Financial Services		
	modities Markets	Compater: F		
Course Code: Duration: 30	BBABF 500 I	Semester: 5 Maximum Marks: 100		
		Examination Scheme		
Teaching Sch				
Theory: 5 hour		End Semester Exam: 70		
Tutorial: 1 hou	ırs per week	Teacher's Assessment: 10		
Practical:		Internal Assessment: 20		4!
Credit: 6		Practical Sessional internal continu		lation:
A *		Practical Sessional external examin	ation:	
Aim:	T			
SI. No.		- and incorporate and Common dition Monte	-4-	
1.	Understand the rol	e and importance of Commodities Marke	ets	
Objective				
Objective:	T			
SI. No.	F"	: O I'' M I (T		
1.	Effectively Patriate	in Commodities Market Transactions		
Pre-Requisite	•			
SI. No.				
1.	Basic knowledge o	f finance		
0			11 6	1 -
Contents	T		Hrs./w	
Chapter	Name of the Topic		Hour	Marks
			S	1.0
01	_	of Commodity Futures Markets	5	12
Introduction	Global Scel			
to	<ul> <li>What is cor</li> </ul>	nmodity?, Definition		
Commodities	<ul> <li>What are co</li> </ul>	ommodity futures?, Nature of Futures		
Markets	Why Comm	odities?		
	Diversificati			
	Inflation He			
		Gold vs Nifty		
		Markets in India		
	,	Futures in India		
00.7	<u> </u>	ion Of Commodities		10
02 Time and	<ul> <li>Strategies</li> </ul>		5	12
Return	<ul> <li>How to trad</li> </ul>	e in commodities		
		c Table of Commodity Returns		
	Global - Tin	ne Cycle		
	•		_	•

03 Product	Gold	5	12
Specification	Silver	٦	12
Opcomeation	0 1 0"		
	<ul><li>Copper</li><li>Guarseed</li></ul>		
	Soyoil     Commodity Delivery Presses Flow		
0.4	Commodity Delivery Process Flow		40
04 Commodity	What is Risk?  What is Risk Management 2. Risks for all leaves.	5	12
Commodity Hedging	What is Risk Management?, Risks faced by an		
Heaging	entity		
	What is a hedge?  What are the rights in a group addition?		
	What are the risks in commodities?  Inflation I lead to		
	Inflation Hedge     Valatility appropriate Supplies To Suppli		
05.01	Volatility comparison - Summary		40
05 Clearing	Hedging Strategies	5	12
and	Introduction		
Settlement	Process Flow		
	Participating Entities		
	Collaterals		
	Daily Settlement		
	Final Settlement		
	Delivery Settlement Logic		
	Delivery Settlement – Flow Chart		
06 Risk	Classification of Risks	5	10
Management	Members Base Capital		
	Risk Mitigation Strategies		
	<ul> <li>Margin Alert Level, Exposure at different margin</li> </ul>		
	level		
	<ul> <li>Mark-to-Market – (MTM), Example, MTM, How</li> </ul>		
	DSP is calculated?		
	Final Settlement Price		
	Position Limits		
	Intra-day Price Limit		
	Settlement Guarantee Fund		
	Pay in Shortages		
	Additional Base Capital		
	Out Table	00	70
	Sub Total:	30	70
	Internal Assessment Examination & Preparation of Semester Examination		30
	Total:		100
List of Books			1

### List of Books **Text Books:**

Name of Author	Title of the Book	Edition/ISSN/ISBN	Name of the Publisher
P. S. Velmurugan	Indian Commodity Market: Derivatives and Risk Management	<b>2010</b> . 978-8183873833	Serials Publications
Reference Books:			

Vijay L. B	hambwan	A Trader's Indian Con Market		2013 / 978 938020003		Network 18 Publications	
End Sem	ester Exami	ination Sch	eme.	Maximum I	Marks-70.	T	ime
Group	Unit	Objective (MCQ only correct ans			Subjective	Questions	
		No of question to be set	Total Marks	No of question to be set	To answer	Marks per question	Total Marks
A	1,2,3, 4	10	18	3	2	4	52
В	4,5, 6, 7, 8	10		4	3		

- Only multiple choice type question (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

### MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL NH-12 (Old NH-34), Simhat, Haringhata, Nadia -741249 Syllabus of BBA Banking and Financial Services

### (Effective from academic session 2021-22)

Subject: Foreign E		Banking and Financial Services		
Course Code: BBA		Semester: 5		
Duration: 30	151 0002	Maximum Marks: 100		
Teaching Scheme		Examination Scheme		
<b>Theory</b> : 5 hours pe		End Semester Exam: 70		
Tutorial: 1 hours pe	er week	Teacher's Assessment: 10		
Practical:	or wook	Internal Assessment: 20		
Credit: 6		Practical Sessional internal continuo	us evalı	ration.
Grount. O		Practical Sessional external examina		aution.
Aim:		Tradical Coccional external examine		
SI. No.				
1	Understand wh	nat is Foreign Exchange, its need and Ac	lminietra	tion in
<b>'</b>	India	iat is i oreign Exchange, its need and Ac	iiiiiiisua	uon m
	IIIuia			
Objective:				
SI. No.				
31. NO.	Loorn the tools	and tachniques used for EODEV trading		
1	Learn the tools	and techniques used for FOREX trading	1	
<b>D D</b> · · ·				
Pre-Requisite:	T			
SI. No.				
1	Basic knowled	ge of Economics		
Contents			I I I	
Contents				
			Hrs./w	
Chapter	Name of the T	opic	Hrs./w Hour	eek Marks
Chapter		•	Hour s	Marks
Chapter 01 What is	Define	<b>opic</b> "Foreign Exchange" as per FEMA	Hour	
Chapter  01 What is Foreign	• Define 1999;	"Foreign Exchange" as per FEMA	Hour s	Marks
Chapter  01 What is Foreign Exchange, its	<ul><li>Define 1999;</li><li>State the state of the state</li></ul>	"Foreign Exchange" as per FEMA ne need of forex.	Hour s	Marks
Chapter  01 What is Foreign Exchange, its need and	<ul><li>Define 1999;</li><li>State the Unders</li></ul>	"Foreign Exchange" as per FEMA ne need of forex. tand how 'Forex" is administered in	Hour s	Marks
Chapter  01 What is Foreign Exchange, its need and Administration in	<ul><li>Define 1999;</li><li>State the Unders</li></ul>	"Foreign Exchange" as per FEMA ne need of forex.	Hour s	Marks
Chapter  01 What is Foreign Exchange, its need and Administration in India	<ul> <li>Define 1999;</li> <li>State the Unders India by</li> </ul>	"Foreign Exchange" as per FEMA ne need of forex. tand how 'Forex" is administered in y the Government and its different arms	Hour s 4	<b>Marks</b> 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex	<ul> <li>Define 1999;</li> <li>State the Unders India by</li> <li>Describe</li> </ul>	"Foreign Exchange" as per FEMA ne need of forex. tand how 'Forex" is administered in y the Government and its different arms ne the role of FEDAI (Foreign Exchange	Hour s	Marks
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business	<ul> <li>Define 1999;</li> <li>State the Unders India by Describ Dealers</li> </ul>	"Foreign Exchange" as per FEMA ne need of forex. tand how 'Forex" is administered in y the Government and its different arms be the role of FEDAI (Foreign Exchange s' Association of India);	Hour s 4	<b>Marks</b> 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business Infrastructure In	<ul> <li>Define 1999;</li> <li>State the Unders India by Describe Dealers</li> <li>Unders</li> </ul>	"Foreign Exchange" as per FEMA ne need of forex. tand how 'Forex" is administered in the Government and its different arms the the role of FEDAI (Foreign Exchange of Association of India); tand the infrastructure in Banks in India	Hour s 4	<b>Marks</b> 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business	<ul> <li>Define 1999;</li> <li>State the Unders India by</li> <li>Describe Dealers</li> <li>Unders for conditions</li> </ul>	"Foreign Exchange" as per FEMA ne need of forex. tand how 'Forex" is administered in y the Government and its different arms be the role of FEDAI (Foreign Exchange s' Association of India); tand the infrastructure in Banks in India ducting forex transactions.	Hour s 4	<b>Marks</b> 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business Infrastructure In	<ul> <li>Define 1999;</li> <li>State the Unders India by</li> <li>Describe Dealers</li> <li>Unders for conditions</li> <li>Summa</li> </ul>	"Foreign Exchange" as per FEMA ne need of forex. tand how 'Forex" is administered in the Government and its different arms the the role of FEDAI (Foreign Exchange as' Association of India); tand the infrastructure in Banks in India ducting forex transactions. The arize how the banks quote the forex	Hour s 4	<b>Marks</b> 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business Infrastructure In Banks	<ul> <li>Define 1999;</li> <li>State the Unders India by</li> <li>Describe Dealers</li> <li>Unders for condens for condens rates to</li> </ul>	"Foreign Exchange" as per FEMA ne need of forex. tand how 'Forex" is administered in y the Government and its different arms be the role of FEDAI (Foreign Exchange s' Association of India); tand the infrastructure in Banks in India ducting forex transactions. arize how the banks quote the forex their customers.	Hour s 4	Marks 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business Infrastructure In Banks  03 Different Types	<ul> <li>Define 1999;</li> <li>State the Unders India by</li> <li>Describ Dealers</li> <li>Unders for condex Summarates to</li> <li>Explain</li> </ul>	"Foreign Exchange" as per FEMA ne need of forex. tand how 'Forex" is administered in y the Government and its different arms be the role of FEDAI (Foreign Exchange s' Association of India); tand the infrastructure in Banks in India ducting forex transactions. arize how the banks quote the forex their customers.  the role of SWIFT in facilitating inter-	Hour s 4	<b>Marks</b> 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business Infrastructure In Banks  03 Different Types of Forex Trades	Define 1999;     State the Unders India by     Describe Dealers for concessions are set of Explain flow of	"Foreign Exchange" as per FEMA ne need of forex. tand how 'Forex" is administered in y the Government and its different arms ne the role of FEDAI (Foreign Exchange s' Association of India); tand the infrastructure in Banks in India ducting forex transactions. arize how the banks quote the forex otheir customers.  The role of SWIFT in facilitating inter- authentic messages among financial	Hour s 4	Marks 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business Infrastructure In Banks  03 Different Types	Define 1999;     State the Unders India by     Describe Dealers     Unders for condense Summarates to Explain flow of institution.	"Foreign Exchange" as per FEMA ne need of forex. Itand how 'Forex" is administered in Itand the Government and its different arms to be the role of FEDAI (Foreign Exchange S' Association of India); Itand the infrastructure in Banks in India ducting forex transactions. Itarize how the banks quote the forex In the role of SWIFT in facilitating inter- authentic messages among financial ons.	Hour s 4	Marks 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business Infrastructure In Banks  03 Different Types of Forex Trades	Define 1999;     State the Unders India by      Describe Dealers     Unders for condes Summarates to Explain flow of institution.	"Foreign Exchange" as per FEMA  ne need of forex. tand how 'Forex" is administered in y the Government and its different arms  be the role of FEDAI (Foreign Exchange s' Association of India); tand the infrastructure in Banks in India ducting forex transactions. arize how the banks quote the forex their customers.  the role of SWIFT in facilitating inter- authentic messages among financial ons. different types of forex trades and the	Hour s 4	Marks 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business Infrastructure In Banks  03 Different Types of Forex Trades	Define 1999;     State the Unders India by      Describe Dealers     Unders for condes Summarates to Explain flow of institution.	"Foreign Exchange" as per FEMA ne need of forex. Itand how 'Forex" is administered in Itand the Government and its different arms to be the role of FEDAI (Foreign Exchange S' Association of India); Itand the infrastructure in Banks in India ducting forex transactions. Itarize how the banks quote the forex In the role of SWIFT in facilitating inter- authentic messages among financial ons.	Hour s 4	Marks 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business Infrastructure In Banks  03 Different Types of Forex Trades	Define 1999;     State the Unders India by      Describe Dealers     Unders for condes Summarates to Explain flow of institution.	"Foreign Exchange" as per FEMA  ne need of forex. tand how 'Forex" is administered in y the Government and its different arms  be the role of FEDAI (Foreign Exchange s' Association of India); tand the infrastructure in Banks in India ducting forex transactions. arize how the banks quote the forex their customers.  the role of SWIFT in facilitating inter- authentic messages among financial ons. different types of forex trades and the	Hour s 4	Marks 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business Infrastructure In Banks  03 Different Types of Forex Trades	Define 1999;     State the Unders India by     Describe Dealers for concers for concers for concers for concers for concers summarates to Explain flow of institution List the different concers for concers	"Foreign Exchange" as per FEMA  ne need of forex. tand how 'Forex" is administered in y the Government and its different arms  be the role of FEDAI (Foreign Exchange s' Association of India); tand the infrastructure in Banks in India ducting forex transactions. arize how the banks quote the forex their customers.  the role of SWIFT in facilitating inter- authentic messages among financial ons. different types of forex trades and the	Hour s 4	Marks 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business Infrastructure In Banks  03 Different Types of Forex Trades	Define 1999;     State the Unders India by     Describe Dealers for concers for concers for concers for concers for concers summarates to Explain flow of institution List the different concers for concers	"Foreign Exchange" as per FEMA ne need of forex. Itand how 'Forex" is administered in y the Government and its different arms be the role of FEDAI (Foreign Exchange s' Association of India); Itand the infrastructure in Banks in India ducting forex transactions. Indicative how the banks quote the forex of their customers.  The role of SWIFT in facilitating interpauthentic messages among financial ons. Indifferent types of forex trades and the players in the forex markets.  The the currencies most used in the	Hour s 4	Marks 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business Infrastructure In Banks  03 Different Types of Forex Trades	Define     1999;     State th     Unders     India by      Describ     Dealers     Unders     for cone     Summa rates to     Explain flow of institution     List the different      Describ	"Foreign Exchange" as per FEMA ne need of forex. Itand how 'Forex" is administered in y the Government and its different arms be the role of FEDAI (Foreign Exchange s' Association of India); Itand the infrastructure in Banks in India ducting forex transactions. Indicative how the banks quote the forex of their customers.  The role of SWIFT in facilitating interpauthentic messages among financial ons. Indifferent types of forex trades and the players in the forex markets.  The the currencies most used in the	Hour s 4	Marks 9
Chapter  01 What is Foreign Exchange, its need and Administration in India  02 FEDAI, Forex Business Infrastructure In Banks  03 Different Types of Forex Trades	Define     1999;     State th     Unders     India by      Describ     Dealers     Unders     for cond     Summa rates to     Explain flow of institution     List the different     Describ forex m     Summa	"Foreign Exchange" as per FEMA  ne need of forex. tand how 'Forex" is administered in y the Government and its different arms  be the role of FEDAI (Foreign Exchange s' Association of India); tand the infrastructure in Banks in India ducting forex transactions. The role of SWIFT in facilitating inter- authentic messages among financial ons. The role of SWIFT in facilitating inter- authentic messages among financial ons. The role of SWIFT in facilitating inter- authentic messages among financial ons. The role of second the forex markets  of the currencies most used in the tarkets arize how different types of exchange of applied to different types of	Hour s 4	Marks 9

04 Foreigr Exchange Arithmetic and Facto affect ther	, rates rs that	made vrates to Descri in com	while applyir o the differer be how the t puters help i	ng the different types of trechnologica In the forex t		ent ms.	4	9
05 Interna Markets a LIBOR rat	nd	borrow Market	stand the ba	ternational F		d	4	9
	5	Sub Total:					30	70
	8	nternal Asses Semester Exar		ination & Pro	eparation of			30
		Total:						100
List of Bo Text Book								
Name of		Title of the	Book	Edition/IS	SN/ISBN	_	me of tl blisher	he
Mr Edward Leonador		The FORE) Fundament Principles a Strategies Game	al and	1475217780		Inde	CreateSpace Independent Publishing Platform	
Reference	Books:							
James Did		Forex Tradi Secrets: Tra Strategies f Forex Mark	ading or the	2010 / : 97 007166422		MC	Graw F	lill
End Semo		ination Sch	eme.	∐ Maximum N	/larks-70.		Ti	me
Group	Unit	Objective (MCQ only correct ans			Subjective	Que	estions	
		No of question to be set	Total Marks	No of question to be set	To answer		rks per estion	Total Marks
Α	1,2,3, 4	10	40	3	2	_		52
В	4,5, 6, 7, 8	10	18	4	3	4		

- Only multiple choice type question (MCQ) with one correct answer are to be set in the objective
  part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

	<b>Course:</b> Bachelors in Income Securities	Banking and Financial Services		
	BBABFS503 - A	Semester: 5		
Duration: 30		Maximum Marks: 100		
Teaching Sch	eme	Examination Scheme		
Theory: 5 hou		End Semester Exam: 70		
Tutorial:1 hou		Teacher's Assessment: 10		
Practical:	<b>'</b>	Internal Assessment: 20		
Credit: 6		Practical Sessional internal continu	ous eval	uation:
		Practical Sessional external examin	ation:	
Aim:				
SI. No.				
1	Appreciate the Role	e of Debt Markets		
Objective:	•			
SI. No.				
1	Build skills to deal	n Fixed Income Securities		
Pre-Requisite	:			
SI. No.				
1	Basic knowledge o	f Economics		
Contents			Hrs./w	
Chapter	Name of the Topic		Hour	Marks
			S	_
01	_	l basic overview of debt market.	4	9
Introduction		ourself with terminologies used in debt		
to Debt	markets.			
Markets	1	tures of different types of debt		
	instruments			
	I	I the role of debt markets in capital		
	markets.			
02 Bond		rent types of Bonds.	4	9
Structure		ous Money Market instruments.		
		Coupons, yield and redemption and		
	their compu	itation logic.		
	_	Cash-flows of a bond / Non		
	_	Debenture.		
	Define Calls	able & Putable Bonds.		

03 Bonds with Options	<ul><li>Understand Basics of Derivatives.</li><li>Understanding the working of Callable &amp; Putable</li></ul>	4	9
	<ul> <li>Bonds.</li> <li>Explain the various methods of Bond Valuation.</li> <li>Describe what are CDS and their uses.</li> </ul>		
04 Bond Valuation - I	<ul> <li>Understand Basics of Derivatives.</li> <li>Understanding the working of Callable &amp; Putable Bonds.</li> <li>Explain the various methods of Bond Valuation.</li> <li>Describe what are CDS and their uses.</li> </ul>	4	9
05 Bond Valuation - II	<ul> <li>Define practical Bond Valuation strategies.</li> <li>List the computation &amp; conceptual logic of types of Yields.</li> <li>Summarise application of concepts with regards to financial planning.</li> </ul>	4	9
Risks in Bonds - I	<ul> <li>Define practical Bond Valuation strategies.</li> <li>List the computation &amp; conceptual logic of types of Yields.</li> <li>Summarise application of concepts with regards to financial planning.</li> </ul>		
Risks in Bonds - II	Understand and analyze following advanced risk levels in a bond:  Credit risk  Liquidity risk  Exchange rate risk		
MBS and ABS	<ul> <li>Understand the Credit rating agency functions</li> <li>Describe the Basic concepts related to Mortgage Backed Securities (MBS).</li> <li>Understand the Basic concepts related to Asset Backed Securities (ABS).</li> </ul>		
Valuation of MBS and ABS	<ul> <li>Describe the valuation of Mortgage Based Securities (MBS)</li> <li>Summarise the Valuation of Asset Based Securities (ABS)</li> </ul>		
Case Studies	<ul> <li>FII Participation In Indian Bond Markets</li> <li>FCCB Issue</li> </ul>		
	Sub Total:	30	70

	Seme	ster Examina	ent Examinati ation	on & Prepar	ation of		30
	Total	•					100
List of Bo Text Boo							
Name of	Author	Title of the	Book	Edition/IS	SSN/ISBN	Name of t Publisher	
Pietro Ver	onesi	Fixed Incor Securities: Risk and R Manageme	Valuation, tisk	2011 / 978 81265317		Wiley	
Referenc							
Frank J. F	abozzi	The Handb Fixed Incor Securities I	me	2017/ 978 12590982		McGraw H Education	ill
		Occurred	Tardover				
End Sem		ination Sch	eme.	Maximum I	Marks-70.	Ti	me
Group	Unit	Objective (MCQ only correct ans			Subjective	Questions	
		No of question to be set	Total Marks	No of question to be set	To answer	Marks per question	Total Marks
Α	1,2,3, 4	10	18	3	2	4	52
В	4,5, 6, 7,	10		4	3		

- Only multiple choice type question (MCQ) with one correct answer are to be set in the objective
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

Name of the Cou Subject: Financia		Banking and Financial Services		
Course Code: BB	BABFS503 - B	Semester: 5		
Duration: 30		Maximum Marks: 100		
<b>Teaching Schem</b>	е	Examination Scheme		
Theory: 5 hours p		End Semester Exam: 70		
Tutorial:1 hours p		Teacher's Assessment: 10		
Practical:		Internal Assessment: 20		
Credit: 6		Practical Sessional internal co	ntinuous evalu	uation:
		Practical Sessional external ex	kamination:	
Aim:	'			
SI. No.				
1	Appreciate the n	need for Financial Risk Manageme	ent	
Objective:	1			
SI. No.				
1	Master the tools	and techniques for effective Fina	ncial Risk Mana	gement
		·		
Pre-Requisite:				
SI. No.				
1	Basic knowledge	e of Finance		
Contents			Uro hu	ook
	N 641 =		Hrs./w	
Chapter	Name of the To	ріс	Hour	Marks
04.0 "			S	4.4
01 Getting	Living wi		6	14
Started with Risk		anding Risk Models		
Management		charge of Risk		
		g Financial Risk		
	<ul> <li>Function</li> </ul>	s of a Financial Risk Manager		
02 Measuring	<ul> <li>Valuing F</li> </ul>	Risk.	6	14
Financial Risk	Stress Tell	esting for Success		
	<ul> <li>Speaking</li> </ul>			
		ng for Extremes		
03 Managing	Setting L		6	14
Financial Risk	_			'-
i iilaliolal Misk	Stopping			
		ng Drawdowns		
	<ul> <li>Hedging</li> </ul>	Bets		

04 Workin	g in	•	Trading				6	14
Financial		•	_	on Risk				
Institutions	S	•	Managir Insuring	•	and Portfolios	;		
05		•	Reportir				6	14
Communio Risk	cating	•	-	ing Finan	ce			
		Sub 7				4! 5	30	70
			ai Assess ster Exam		mination & Pre	paration of		30
		Total	:					100
List of Bo Text Book	ks:							
Name of A	Author	Т	itle of the	Book	Edition/ISSN	N/ISBN	Name of the Publisher	-
Aaron Bro	wn	M	inancial R Ianageme ummies		2015 / 978-11	119082200	Wiley	
Reference	e Books:	:						
Philippe Jo	orion	M	inancial R Ianager H RM Part I	andbook	2013 / 978-8	126544080	Wiley	
End Seme		amina	tion Sche	eme.	Maximum I	Marks-70.	Т	ime
Group	Unit	(	Objective Questions MCQ only correct ans	s with the		Subjective (	Questions	
		0	No of question o be set	Total Marks	No of question to be set	To answer	Marks per question	Total Marks
Α	1,2,3,		10	18	3	2	4	52
В	4,5, 6, 8	7,	10		4	3	_	
• On		e choic	e type ques	tion (MCC	)) with one corre	ct answer are	to be set in t	he objective

- Only multiple choice type question (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

		Banking and Financial Services		
Subject: Introd	duction to Algorithmic			
	: BBABFS503 - C	Semester: 5		
Duration: 30		Maximum Marks: 100		
Teaching Sch	eme	Examination Scheme		
Theory: 5 hou		End Semester Exam: 70		
Tutorial: 1 hou	ırs per week	Teacher's Assessment: 10		
Practical:		Internal Assessment: 20		
Credit: 6		Practical Sessional internal co	ntinuous evalu	uation:
		Practical Sessional external ex	amination:	
Aim:				
SI. No.				
1	Build a foundationa	al understanding of Algorithmic Tra	ding	
2		tween various components of Algor		
Objective:				
SI. No.				
1	To build an unders	tanding of Algorithmic Trading- cor	cepts and fund	ctionina
		<u></u>		
Pre-Requisite	<u> </u>			
SI. No.	<u>-</u>			
<u> </u>	NA			
	147			
Contents				
Chapter			Hrs /w	eek
Citaptei	Name of the Tonic	•	Hrs./w	
	Name of the Topic	С	Hour	eek Marks
O1 Algo	-		Hour s	Marks
01 Algo	About Algo		Hour	
Lifecycle	About Algo	Lifecycle	Hour s 2.5	Marks 6
Lifecycle 02	About Algo     What is Alg	Lifecycle po Trading?	Hour s	Marks
Lifecycle 02 ALgorithmic	About Algo     What is Alg     How is it dif	Lifecycle po Trading?	Hour s 2.5	Marks 6
Lifecycle 02 ALgorithmic Trading	<ul><li>About Algo</li><li>What is Alg</li><li>How is it dif</li><li>Benefits</li></ul>	Lifecycle go Trading? fferent?	2.5 2.5	Marks 6 6
Lifecycle 02 ALgorithmic Trading 03 Circuit	About Algo     What is Alg     How is it dif     Benefits     Price Bands	Lifecycle go Trading? fferent?	Hour s 2.5	Marks 6
Lifecycle 02 ALgorithmic Trading	About Algo     What is Alg     How is it dif     Benefits     Price Bands     Circuit Brea	Lifecycle go Trading? fferent? s akers for Nifty & Sensex	2.5 2.5	Marks 6 6
Lifecycle 02 ALgorithmic Trading 03 Circuit	About Algo     What is Alg     How is it dif     Benefits     Price Bands     Circuit Brea	Lifecycle go Trading? fferent?	2.5 2.5	Marks 6 6
Lifecycle 02 ALgorithmic Trading 03 Circuit	<ul> <li>About Algo</li> <li>What is Alg</li> <li>How is it dif</li> <li>Benefits</li> <li>Price Bands</li> <li>Circuit Bread</li> <li>What is Clo</li> </ul>	Lifecycle go Trading? fferent? s akers for Nifty & Sensex	2.5 2.5	Marks 6 6
Lifecycle 02 ALgorithmic Trading 03 Circuit	<ul> <li>About Algo</li> <li>What is Alg</li> <li>How is it dif</li> <li>Benefits</li> <li>Price Bands</li> <li>Circuit Bread</li> <li>What is Clo</li> </ul>	Lifecycle  go Trading?  fferent?  s  akers for Nifty & Sensex  osing Price?	2.5 2.5	Marks 6 6
Lifecycle 02 ALgorithmic Trading 03 Circuit	About Algo      What is Alg     How is it dif     Benefits      Price Bands     Circuit Brea     What is Clo     Importance	Lifecycle  go Trading?  fferent?  s  akers for Nifty & Sensex  osing Price?	2.5 2.5	Marks 6 6
Lifecycle 02 ALgorithmic Trading 03 Circuit Breakers	About Algo      What is Alg     How is it dif     Benefits      Price Bands     Circuit Brea     What is Clo     Importance      Algo Risk M	Lifecycle  Jo Trading?  fferent?  s akers for Nifty & Sensex using Price? of Closing Price	2.5 2.5 2.5	6 6 6
Lifecycle 02 ALgorithmic Trading 03 Circuit Breakers  04 Colocatoin,	About Algo      What is Algo     How is it dif     Benefits      Price Bands     Circuit Brea     What is Clo     Importance      Algo Risk M     Double Edge	Lifecycle  go Trading?  fferent?  seakers for Nifty & Sensex osing Price? e of Closing Price  Management ged Sword	2.5 2.5 2.5	6 6 6
Lifecycle 02 ALgorithmic Trading 03 Circuit Breakers	About Algo      What is Alg     How is it dif     Benefits      Price Bands     Circuit Brea     What is Clo     Importance      Algo Risk M	Lifecycle  go Trading?  fferent?  s akers for Nifty & Sensex osing Price? of Closing Price  Management ged Sword	2.5 2.5 2.5	6 6 6

Predatory Algos	Exchange Mandated Checks     Testing your Strategy		
	<ul><li>Algo Approval Process</li><li>API</li></ul>		
	Predatory Algos		
05 Decoding	Order book	2.5	6
the Order	Pre-open process		
Book	Order Collection     Order Matching		
	<ul><li>Order Matching</li><li>Equilibrium Price</li></ul>		
06 Execution	Order Types	2.5	6
Algos	Case		
	TWAP & VWAP		
	• POV		
	Design Considerations		
07 Lateray	Design your VWAP Algo	2.5	
07 Latency	<ul><li>Factors affecting Latency</li><li>Optimizing Algo Latency</li></ul>	2.5	6
08 Robot	Investor / Advisor	2.5	6
Advisory	What are Robo Advisors?		
	Breaking it Down		
	Investor Buckets		
	Stock Buckets		
	Strategy Buckets		
	Investing		
	Popular across the Globe     I have the 2		
	How it works?     Torret Audiones		
	<ul><li>Target Audience</li><li>Variants</li></ul>		
09 Software	Algo Logic	2.5	6
Components	• OMS		
	• RMS		
	Databases		
40.04	Broadcast	0.5	
10 Stock Market	What is the Stock Market?  Various Stokeholders	2.5	6
iviai ket	<ul><li>Various Stakeholders</li><li>What happens when you BUY and SELL?</li></ul>		
	Asset Classes		
	The concept of BULLS and BEARS		
	Factors affecting Stock Price		
	About Trading and Alternate ways		
	Trade Lifecycle		
	Instruments Traded		
11 Strategies	<ul><li>Typical Algo Strategies</li><li>Quant Strategies – Pairs</li></ul>	2.5	6
	Execution Algo – Jobbing		
	Arbitrage		
	Market Making     Trained Alexander		
	Typical Algo Trader/Developer		

12 Tradin		OMS				2.5	4
Architectu	ıre •	Orders					
	•	RMS					
	•	Validate th	_				
	•	Broadcast					
	•	•		sing Engine	e / Algo Serve	er	
	•	Report Se					
	•	3 <sup>rd</sup> Party T					
	•	3rd Party	Components				
	Sub	Total:				30	70
	Inter	nal Assessme		on & Prepar	ation of		30
		ester Examina	ation				100
	Tota	1:					100
List of Bo Text Boo							
Name of		Title of the	e Book	Edition/IS	SSN/ISBN	Name of t	he
						Publisher	
Ernie Cha	ın	Algorithmic	c Trading: 2013/ B00CY5HC0U Wi			Wiley	
		Winning St	trategies				
		and Their I	Rationale				
Referenc	e Books:						
Ernie Cha		Quantitativ	e Trading:	2019 / B00	01FA0GGC	Wiley	
		How to Bu		20.07.20	711710000		
		Own Algor	ithmic				
		Trading Bu	ısiness				
End Som	octor Evan	│ nination Sch	omo	│ Maximum │	Marks 70	T	me
allotted-3		iiiiatioii Scii	cilic.	Maximum	wai k5-70.	• •	IIIIG
Group	Unit	Objective	Questions		Subjective	Questions	
-		(MCQ only			-		
		correct ans			1_		
		No of	Total	No of	To answer	Marks per	Total
		question to be set	Marks	question to be set		question	Marks
A	1,2,3, 4	10		3	2		
	-,=,=,	. •	18		_	4	52
В	4,5, 6, 7,	10		4	3		
	8						

- Only multiple choice type question (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

# MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL NH-12 (Old NH-34), Simhat, Haringhata, Nadia -741249 Syllabus of BBA Banking and Financial Services (Effective from academic session 2021-22) Name of the Course: Bachelors in Banking and Financial Services

Name of the C Subject: Finan		Banking and Financial Services				
	BBABFS504 - A	Semester: 5				
Duration:30	DDADI 3304 - A	Maximum Marks: 100				
Teaching Sche	omo	Examination Scheme				
Theory: 5 hour		End Semester Exam: 70				
Tutorial:1 hour		Teacher's Assessment: 10				
Practical:	s per week	Internal Assessment: 20				
Credit: 6		Practical Sessional internal continuo		.ation:		
Credit. 6		Practical Sessional external examina		iation.		
Aim:		Practical Sessional external examina	tion.			
SI. No.						
	Create a facindation	of Financial Madelling to forecast a bus	in a sa'a <b>f</b>	inanaial		
1		n of Financial Modelling to forecast a bus	iness s i	inanciai		
2	performance in the		ala ta na	rform		
	company analysis a	nowledge and skills to use financial mod	eis to pe	eriorm		
	Company analysis a	and valuation				
Objective:						
SI. No.						
1	To understand Fina	incial Modelling in order to excel at forec	astina a			
· ·		performance in the future	asing a			
	Dusiness s infancia	performance in the luture				
Pre-Requisite:						
SI. No.						
1	Basic knowledge of	Excel				
2		Economics or Finance				
_	Badio Kilowicago di	Loonomico di Financo				
Contents			Hrs./w	eek		
Chapter	Name of the To	nic	Hour	Marks		
		F	S			
01 Creating a	Formattir	ng the data, summarizing, and	4	9		
Financial Mode		apresentable format				
template		iting Text and Numerical Data				
using Excel -I	· ·	ot Tables to Summarize Data				
02 Creating a		ng data into tabular format	4	9		
Financial Mode		igh profit sales using	•			
template using	- lability i	alformatting				
Excel -		st Practises				
II	- LXOCI DC	31 1404303				
03 Financial	Inputs/As	ssumptions Worksheet	4	9		
Model for a	•	g the 3 Financial Statements				
New Business		g				
- I						
04 Financial	Preparing	g Depreciation & Amortization Schedule	4	9		
Model for a		g Debt Schedule				
New		orking Notes				
Business - II		<del>-</del>				
05 Modelling	• Understa	ind the Business Model and	4	9		
Case Study -I	Operatin					
	-	g the Historical Statement				
		g Assumptions for Future Action				

06 Modelling Case Study -II		<ul> <li>futurere</li> <li>Modellin futureco</li> <li>Modellin Modellin and Inco</li> <li>Working DebtInfu</li> <li>Equity M</li> </ul>	futurerevenues  Modelling Cost Build-up – projecting the futurecost  Modelling the Asset Schedule  Modelling the Depreciation Schedule – Book and Income Tax Depreciation  Working Capital and Term Loan Modelling – DebtInfusion  Equity Modelling – Equity Infusion					9
07 Analysis and Valuation - I			WACC and Cost of Equity Analysis Performing Valuation using DCF				4	9
08 Analysis and Valuation - II		• Compar	ing Sensitivi ing the Valu tParameters	ation Summ			2	7
	Su	b Total:					30	70
	Inte	ernal Assessi						30
		paration ofS	emester Exa	mination				400
List of Books	Tot	iai:						100
Text Books:								
Name of Autho		Title of the		Edition/IS		Pul	me of t blisher	
Danielle Steir Fairhurst		Financial M Excel For D		<b>2017/</b> B062	2X58Q2Q	Wil	ey	
Reference Boo	ks:							
Danielle Steir Fairhurst		Using Exce Business a		2019/ B07	Q1KFLNM	Wil	еу	
		Financial M Practical G	•					
End Semester allotted-3hrs.	Exami	nation Sche	eme.	Maximum N	larks-70.		T	ime
Group Uni	t	(MCQ only correct answ			Subjective	Que	estions	
		No of question to be set	Total Marks	No of question to be set	To answer		rks per estion	Total Marks
A 1,2,	3, 4 6, 7,	10 10	18	3	3	4		52
8	J, 1,			<b>T</b>				

- Only multiple choice type question (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

Name of the Con	real Dachalans !:-	Danking and Financial Comicas		
Subject: Financia	al Planning	Banking and Financial Services		
Course Code: BE	BABFS504 - B	Semester: 5		
Duration: 30		Maximum Marks: 100		
Teaching Schem	ne	Examination Scheme		
Theory: 5 hours p		End Semester Exam: 70		
Tutorial:1 hours		Teacher's Assessment: 10		
Practical:		Internal Assessment: 20		
Credit: 6		Practical Sessional internal contin	nuous eval	uation:
		Practical Sessional external exam		
Aim:				
SI. No.				
1	Appreciate the r	need for proper Financial Planning		
-	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Objective:				
SI. No.				
1	To master the to	ools and techniques to build a persona	al financial r	olan
-				
Pre-Requisite:				
SI. No.				
- Ciritor	NA			
	100			
Contents	1		Hrs./wee	k
Chapter	Name of the To	pic	Hours	Marks
01 Financial		financial planning?	4	9
Planning and		Il planning process		
Personal		d Advantages of financial planning		
Financial	Financia			
Statements				
Ciatomonio	Best Pra			
		I Financial statements		
		ents of financial statements		
	Balance			
	Income :	statements		
02 Cash flow	<ul> <li>Profile of</li> </ul>	f Average Investor	4	9
and Debt	<ul> <li>Life Stag</li> </ul>	ges		
Management	<ul> <li>Cash Flo</li> </ul>	ow Problem		
	Cash Flo	ow Management		
		l Statements		
	Budgetir			
		g Expenses		

	<ul><li>Debt Management</li><li>Types of Debt</li></ul>		
	Debt Management Strategies		
03 Investments Asset Allocation and Acquisition	What is asset allocation?	4	9
04 Assets to Invest in	<ul><li>Investment Mantras</li><li>Various Assets</li><li>Other Investment Avenues</li></ul>	4	9
05 Insurance policies	<ul><li>Insurance</li><li>Types of Insurance</li><li>Types of Life Insurance Products</li></ul>	4	9
06 Strategies for Insurance	<ul> <li>Insurance Myths</li> <li>Easy ways to buy a policy</li> <li>Computation of Human Life Value</li> <li>Types of General Insurance</li> </ul>		
07 Investment Planning	<ul> <li>Why Investment Planning?</li> <li>Investor Types based on risk appetite</li> <li>Tips for effective investment planning</li> </ul>		
08 Investment Avenues	<ul> <li>Choice of Investment Options</li> <li>Investment Avenues Chart</li> <li>Long Term vs Short Term</li> <li>Timeline Pyramid for Investment</li> <li>Types of Planning</li> </ul>		
09 Education Planning	<ul> <li>What is education planning?</li> <li>Why education planning?</li> <li>Steps for education planning</li> <li>Investment options for education</li> <li>Alternative sources for education</li> </ul>		
10 Tax and Retirement planning	<ul> <li>What is tax planning and why it is important</li> <li>Steps to begin tax planning</li> <li>Steps for calculation of tax payable and tax savings investments</li> <li>Tax Saving Schemes</li> <li>What is Retirement Planning?</li> <li>Steps to arrive at a retirement plan</li> <li>Investments for Retirement</li> </ul>		
11 Planning for Special circumstances	<ul><li>Special Circumstances</li><li>Estate Planning</li></ul>		

			Emergency or separatio	n			
	Su	b Total:				30	70
		ernal Assess mester Exam		ation & Prep	paration of		30
		tal:	mation				100
List of Boo	_					-	-
Name of Au		Title of the	Book	Edition/IS	SN/ISBN	Name of t	
Indian Institu Banking & F		Introduction Financial P		2017 / 9386394553		Taxmann Publications Pvt. Ltd	
			V				
Reference I							
Benjamin St (Author), Ph Demuth (Au	il	Yes, You C Financial L Lifetime Gu Financial P	ife!: Your iide to	2006 / 978- 1401911249 New Beginnings Pi		nnings Pr	
End Semes allotted-3hr		ination Sch	eme.	∐ Maximum N	Marks-70.	Ti	me
	Unit	Objective (MCQ only correct ans			Subjective	Questions	
		No of question to be set	Total Marks	No of question to be set	To answer	Marks per question	Total Marks
Α	1,2,3, 4	10	18	3	2	4	52
	4,5, 6, 7, 8	10		4	3		

- Only multiple choice type question (MCQ) with one correct answer are to be set in the objective
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

Subject: Proje	ct Finance	n Banking and Financial Services		
Course Code:	BBABFS504 - C	Semester: 5		
Duration: 30		Maximum Marks: 100		
Teaching Sch	eme	Examination Scheme		
Theory: 5 hour		End Semester Exam: 70		
Tutorial:1 hour		Teacher's Assessment: 10		
Practical:	<u>- F</u>	Internal Assessment: 20		
Credit: 6		Practical Sessional internal continue	ous evali	uation:
		Practical Sessional external examina		
Aim:				
SI. No.				
1	To create a found:	ation to understand the concepts involved	in Proie	ct Finance
2	1	etween planning, management, risks, esti		
_		her concepts in the financial field	manon, o	apitai
	mivosimoni and se	ner concepte in the interioral fiera		
Objective:				
SI. No.				
1	To create a found:	ation to understand the concepts involved	l in Proje	ct Finance
-				
Pre-Requisite:	<u> </u>			
SI. No.				
1	NA			
•				
i	INA			
	INA			
Contents	IVA		Hrs./w	eek
Contents Chapter		ic	Hrs./w	
Contents Chapter	Name of the Topi	ic	Hour	eek   Marks
Chapter	Name of the Topi		Hour s	Marks
Chapter 01 Concept of	Name of the Topi  Concept of	f SME /MSME	Hour	
Chapter	Name of the Topi  Concept of Importance	f SME /MSME e & relevance of Project Finance	Hour s	Marks
Chapter 01 Concept of	Concept of Importance     Project Type	f SME /MSME e & relevance of Project Finance pes	Hour s	Marks
Chapter  01 Concept of SME /MSME	Concept of Importance     Project Type     Basics of F	f SME /MSME e & relevance of Project Finance pes Project Finance	Hour s 3	Marks 7
Chapter  01 Concept of SME /MSME  02 Estimating	Concept of Importance     Project Type     Basics of Feet Estimating	f SME /MSME e & relevance of Project Finance pes Project Finance & Assessing Cost of Project	Hour s	Marks
Chapter  01 Concept of SME /MSME  02 Estimating & Assessing	Concept of Importance     Project Type     Basics of Features     Estimating     Its Cash Floor	f SME /MSME e & relevance of Project Finance pes Project Finance & Assessing Cost of Project	Hour s 3	Marks 7
Chapter  01 Concept of SME /MSME  02 Estimating & Assessing Cost of	Concept of     Importance     Project Type     Basics of Feed to the content of the content	f SME /MSME e & relevance of Project Finance pes Project Finance & Assessing Cost of Project low sibility Analysis	Hour s 3	Marks 7
Chapter  01 Concept of SME /MSME  02 Estimating & Assessing Cost of Project	Concept of Importance     Project Type     Basics of Feel Estimating     Its Cash Flee     Project feal     Time Value	f SME /MSME e & relevance of Project Finance pes Project Finance & Assessing Cost of Project low sibility Analysis e of Money	Hour s 3	7 7 7
Chapter  01 Concept of SME /MSME  02 Estimating & Assessing Cost of Project  03 Capital	Concept of Importance     Project Type     Basics of Feed Estimating     Its Cash Fleet Project fead Time Value     Capital Inv	f SME /MSME e & relevance of Project Finance pes Project Finance & Assessing Cost of Project low asibility Analysis e of Money restment Types	Hour s 3	Marks 7
Chapter  01 Concept of SME /MSME  02 Estimating & Assessing Cost of Project	Concept of Importance     Project Type     Basics of Feel Its Cash Fleet Project feal Time Value     Capital Investment	f SME /MSME e & relevance of Project Finance pes Project Finance & Assessing Cost of Project low esibility Analysis e of Money restment Types dgeting	Hour s 3	7 7 7
Chapter  01 Concept of SME /MSME  02 Estimating & Assessing Cost of Project  03 Capital	Concept of Importance     Importance     Project Type     Basics of Feed to Bas	f SME /MSME e & relevance of Project Finance pes Project Finance & Assessing Cost of Project low esibility Analysis e of Money restment Types dgeting in Capital	Hour s 3	7 7 7
Chapter  01 Concept of SME /MSME  02 Estimating & Assessing Cost of Project  03 Capital	Concept of Importance     Importance     Project Type     Basics of Feed to Bas	f SME /MSME e & relevance of Project Finance pes Project Finance & Assessing Cost of Project low esibility Analysis e of Money restment Types dgeting	Hour s 3	7 7 7
Chapter  01 Concept of SME /MSME  02 Estimating & Assessing Cost of Project  03 Capital	Concept of Importance     Importance     Project Type     Basics of Feed of Its Cash Fleet Project fead of Time Value     Capital Investment Capital Bure Evaluation	f SME /MSME e & relevance of Project Finance pes Project Finance & Assessing Cost of Project low esibility Analysis e of Money restment Types dgeting in Capital re through IRR, NPV & Pay Back	Hour s 3	7 7 7
Chapter  01 Concept of SME /MSME  02 Estimating & Assessing Cost of Project  03 Capital	Concept of Importance     Project Type     Basics of Feel Estimating     Its Cash Flee Project feal Time Value     Capital Investment Capital Bure Evaluation     Expenditur	f SME /MSME e & relevance of Project Finance pes Project Finance & Assessing Cost of Project low asibility Analysis e of Money restment Types dgeting in Capital re through IRR , NPV & Pay Back ucturing	Hour s 3	7 7 7

	•	Project Control					
05 Sources of	•	Sources of Financing	SME /MSME Projects		3	7	
Financing	•	Long Term & Short Te	rm				
SME /MSME	•		Lending Schemes of the Banks				
Projects	•	Venture Capital & Priv			3		
06 Working	•	Transage suprise management				7	
Capital	•	Its Relevance & Impor					
Management	•		anaging Working Capital				
	•	of MSME	RBI Norms to asses Working Capital requirement of MSMF				
07 Test &	•	Test & Govt. Schemes	3	7			
Govt.	•	Export Finance					
Schemes to		·					
assist							
MSME's 08 Common	_	Common Dieke in Deet	o oto		3	7	
Risks in	•	Common Risks in Proj Risk mitigation	<del>C</del> UIS		٦	'	
Projects		Securitization					
		Insurance					
	•	Taxation					
09 SME	•	SME Listing & norms	of SEBI		3	7	
Listing &		· ·					
norms of							
SEBI						-	
10 Project Report	•	Preparation Exercise ar	nd practice on Project Rep	oort	3	7	
Preparation		гтерагашоп					
<b>.</b>							
	Sub 1				30	70	
		al Assessment Examinat ster Examination	ion & Preparation of			30	
	Total					100	
List of Books							
Text Books: Name of Auth	٥.,	Title of the Book	Edition/ISSN/ISBN	No	me of t	ho	
Name of Auth	OI	Title of the book	EUIUOII/ISSIN/ISBIN		blisher	ne	
Prasanna Chai	ndra	Projects: Planning,	2017/ 978-9332902572		Graw H	ill	
		Analysis, Selection,			ucation		
		Financing,					
		Implementation, and					
		Review					
Reference Boo							
E. R. Yescomb	е	Principles of Project	2012/ 978-	Aca	ademic	Press	
		Finance	0127708515				

End Sem	nester Exami	nation Sch	eme.	Maximum I	Marks-70.	T	ime
Group	Unit	Objective Questions (MCQ only with the correct answer)		Subjective Questions			
		No of question to be set	Total Marks	No of question to be set	To answer	Marks per question	Total Marks
Α	1,2,3, 4	10	18	3	2	4	52
В	4,5, 6, 7, 8	10		4	3		

- Only multiple choice type question (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.