



RAJAH SERFOJI GOVT. COLLEGE (AUTONOMOUS)
Reaccredited at 'A' Grade by NAAC
(Affiliated to Bharathidasan University, Tiruchirappalli)
Thanjavur – 613 005, TAMIL NADU, INDIA.

economics@rsgc.ac.in

BOARD OF STUDIES IN ECONOMICS
MINUTES OF THE MEETING HELD ON 05th January 2021

The meeting of the Board of Studies in Economics, for the Academic Year 2020-21, was held on 5th January 2021 at 2:00 pm at Department of Economics, Rajah Serfoji Government College, Thanjavur-5.

The following members attended the meeting:

1	Dr. C.SUNITHA	Chairperson	Associate Professor and Head Department of Economics
2	Dr P.GANAPATHY	Subject Expert & University Nominee	Associate Professor and Head, Dept of Economics, Khadir Mohideen College, Adirampattinam-614701
3	Dr.D.MALARVIZHI	Subject Expert Academic Council Nominee	Associate Professor in Economics Kunthavai Naachiyar Govt Arts College (Autonomous), Thanjavur-7
4	Dr.C.RAVICHANDRAN	Alumni Member	Head & Asst Professor of Economics, Swamy Vivekananda College, Vallam, Thanjavur
5	Dr.A.ARULRAJ	Faculty Member	Assistant Professor, Dept of Economics
6	Dr.G.BASKAR	Faculty Member	Assistant Professor, Dept of Economics
7	Dr.M.MALARVIZHI	Faculty Member	Assistant Professor, Dept of Economics
8	Dr.M.SANTHANALAKHMI	Faculty Member	Assistant Professor, Dept of Economics
9	Dr.A.KALAISELVI	Faculty Member	Assistant Professor, Dept of Economics
10	Dr.D.A.V.CLAMENT	Faculty Member	Assistant Professor, Dept of Economics
11	Prof.M.SANTHANARAJ	Faculty Member	Assistant Professor, Dept of Economics

Dr.C.SUNITHA, Chairperson, BoS and Head, Department of Economics, Rajah Serfoji Government College, called the meeting to order and the following business was transacted.

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R. S. 5/1/2021
Dr.C.SUNITHA M.A., M.P.M., M.D., MBA, PGDE, PGDM, B.Ed.,
Head & Associate Professor
UGC-MRP-Econ-31364
Research Department of Economics,
Rajah Serfoji Govt.College,
THANJAVUR - 613 007.

[Signature]
CONTROLLER OF EXAMINATIONS,
RAJAH SERFOJI GOVERNMENT COLLEGE (AUTONOMOUS),
THANJAVUR - 613 005.

- 1) Discussions for the new additions in the existing curriculum for B.A. (Economics) and M.A. Programmes, were made in the context of local needs and recent developments.

RESOLUTION [No.: BOS/ECO/2020-21/1] Unanimously resolved to approve the changes made which will be implemented from the present academic year itself.

- 2) Discussions for the revision of the course outline of B.A./ M.A. Programmes incorporating the Extra Credit Courses for Advanced Learners. Already the extra credit courses are offered for PG students and now it is extended to UG also from the Academic year 2020-21, as resolved as Resolution No. 3 at the college council meeting held on 12.02.2020. Due ratification for the same shall be obtained from the forthcoming Academic Council in this regard. These courses are introduced to improve the knowledge base of the students in their own Discipline. These are self study courses and are optional. For UG, two Courses with extra credit and for PG, two courses with extra credit are included. There should be no standing arrears for opting Extra Credit Courses and similarly, Students are not permitted to write the course as arrear, if he / she fails in the courses with extra credit. In the 5th & 6th semesters of the UG Programmes and 3rd & 4th Semesters of the PG Programmes, these extra credit courses are to be offered. One of the Discipline Specific Major electives of the particular semester (5th & 6th semesters of the UG and 3rd & 4th Semesters of the PG), which are not opted by the candidate for the regular Study may be taken by them as extra credit course. Each Extra Credit Course will carry 4 credits each.

RESOLUTION [No.: BOS/ECO/2020-21/2] Unanimously resolved to give ratification for the introduction of the Extra Credit Courses for Advanced Learners which will be implemented from the present academic year itself. As it is a Part-IV self study course there will not be any internal assessment and external marks alone will be awarded. External assessment may be based on the MCQ type from the next academic year onwards. Though the already approved Major Elective Course is taken as an Extra Credit Course choice, it is suggested to float two specific Extra Credit Courses from the next Academic Year onwards.

- 3) Discussions were made on the proposed Program Specific Outcomes (PSO) and Course Outcomes (PO).

RESOLUTION [No.: BOS/ECO/2020-21/3] Unanimously resolved to give approval for the Program Specific Outcomes and Course Outcomes prepared

and presented and the Chairperson is requested to place the PSO and PO Matrix along with its Cognitive level specification in the forthcoming Board of Studies.

- 4) Discussions were made exhaustively on the feedback reports of the Students regarding the Curriculum and the need for more Practical papers/ internship is understood.

RESOLUTION [No.: BOS/ECO/2020-21/4] Unanimously resolved to introduce more Number of Practical papers in the curriculum which will be implemented from the Academic Year 2021-22 onwards and the proposals for the same need to be placed in the forthcoming Board of Studies.

- 5) Deliberations were made profoundly on the Credit Accumulation and Transfer through Swayam platform. According to the guidelines of UGC, the students are encouraged to avail this option of enriching their knowledge base by enrolling themselves in the Massive Open Online Courses (MOOC) in any subject of their choice provided by various portals such as SWAYAM, NPTEL etc. initiated by MHRD. This can be availed by all the students of all the semesters and there is no minimum eligibility to take up this course by UG/PG students during their period of study (3 Years/2 Years).






RESOLUTION [No.: BOS/ECO/2020-21/5] unanimously resolved to suggest the extra credit accumulation option through Swayam platform and to ensure the entry for the same in the Consolidated Marksheet.

- 6) Detailed discussions were held on the Programmes proposed for financial assistance. Exploring the possibilities of employability ensuring Certificate Programmes in the field of Economics a Certificate Programme namely Certificate Programme on Non-Life Insurance will be introduced.







RESOLUTION [No.: BOS/ECO/2020-21/6] unanimously resolved to give approval to start Certificate Programme on Non-Life Insurance and the contents of the Programme are also given due approval. Further resolved to suggest the Academic Council to do the needful to start and continue these courses even if the RUSA finance is not available or ceases.

- 7) Discussions were made to suggest the Eligibility for the panel of examiners for April 2021.

The meeting ended with vote of thanks, particularly to the External Members of the Board, recollecting their valuable inputs in their tenure.

S.No.	Name of the Experts	Signature
1	Chairman: Dr. C.SUNITHA Head & Associate Professor of Economics	 Dr.C.SUNITHA M.A., M.Phil., Ph.D., MBA., PGDE., PGDM., B.Ed., Head & Associate Professor UGC-MRP-Econ-31364 Research Department of Economics, Rajah Serfoji Govt.College, THANJAVUR - 613 007.
2	Members of the Board: Dr P.GANAPATHY Subject Expert & University Nominee Associate Professor and Head , Dept of Economics, Khadir Mohideen College, Adirampattinam-614701	 Dr. P.GANAPATHY , M.A., M.Phil., Ph.D., HOD and Associate Professor, PG and Research Dept of Economics Khadir Mohideen College ADIRAMPATTINAM-614 701 Thanjavur-Dt. Tamilnadu
3	Dr.D.MALARVIZHI Subject Expert & Academic Council Nominee Associate Professor in Economics Kunthavai Naacchiyaar Govt Arts College (Autonomous), Thanjavur-7	 Dr.D.MALARVIZHI , M.A., M.Phil., M.B.A., Ph.D., B.Ed., Associate Professor of Economics Kunthavai Naacchiyaar Government Arts College for Women (Autonomous) THANJAVUR - 613 007.
4	Dr.C.RAVICHANDRAN Alumni Member Head & Asst Professor of Economics, Swamy Vivekananda College, Vallam, Thanjavur	 Dr. C. RAVINDRAN , Head & Assistant Professor, Dept. of Management Studies Swami Vivekananda Arts & Science College, Vallam, Thanjavur-613 403.
5	Dr.A.ARULRAJ Assistant Professor, Dept of Economics	 Dr.A.ARULRAJ , Assistant Professor, Dept. Of Economics, R.S.Government college Thanjavur - 5 (TN)


Dr.C.SUNITHA M.A., M.Phil., Ph.D., MBA., PGDE., PGDM., B.Ed.,
Head & Associate Professor
UGC-MRP-Econ-31364
Research Department of Economics,
Rajah Serfoji Govt.College,
THANJAVUR - 613 007.

6	Dr.G.BASKAR Assistant Professor, Dept of Economics	
7	Dr.M.MALARVIZHI Assistant Professor, Dept of Economics	 Dr. M. MALARVIZHI, M.A., M.Phil., Ph.D., Assistant Professor, Department of Economics, Rajah Serfoji Government College (Autonomous), Thanjavur - 613 005
8	Dr.M.SANTHANALAKHMI Assistant Professor, Dept of Economics	 முனைவர். மு. சந்தானலட்சுமி, M.A., M.Phil., M.B.A., B.Ed., Ph.D., பொருளியல் உதவிப் பேராசிரியர், பொருளியல் முதுநிலை (ம) ஆராய்ச்சித் துறை, மன்னர் சரபோஜி அரசுக் கல்லூரி (த), தஞ்சாவூர் - 613 005
9	Dr.A.KALAISELVI Assistant Professor, Dept of Economics	 Dr. A. KALAISELVI, M.A., M.Phil., Ph.D., M.B.A., Assistant Professor, Department of Economics, Rajah Serfoji Government College (Autonomous), Thanjavur - 613005
10	Dr.D.A.V.CLAEMENT Assistant Professor, Dept of Economics	 Dr. D.A.V. CLEMENT, M.A., M.Phil., Ph.D., Asst. Professor of Economics & Research Adviser, Rajah Serfoji Government College (Autonomous), THANJAVUR - 613 005.
11	Prof.M.SANTHANARAJ Assistant Professor, Dept of Economics	 M. SANTHANARAJ, M.A., B.Ed., M.Phil., Ph.D., Assistant Professor P.G. Department . of Economics Rajah Serfoji Govt. College (A) Thanjavur-613 005

5/11/2021

Dr.C.SUNITHA M.A., M.Phil., Ph.D., MBA, PGDE., PGDM., B.Ed.,
Head & Associate Professor
UGC-MRP-Econ-31364
Research Department of Economics,
Rajah Serfoji Govt. College,
THANJAVUR - 613 007.

RAJAH SERFOJI GOVT COLLEGE (AUTOMONOUS), THANJAVUR-5

SUBJECT: M.PHIL ECONOMICS

(Applicable to the Students admitted from the academic year 2018-2019 onwards)

PAR T	CODE	COURSE	TITLE	MARKS		TOTAL	EXAM HOURS	CREDIT
			I SEMESTER	IA	WE			
III	S1MEC1	CC1	Research Methodology	25	75	100	3	4
III	S1MEC2	CC2	Advanced Economic Theory	25	75	100	3	4
III	S1MEC3	CC3	Teaching and learning Skills	25	75	100	3	4
III		CC4	Guide Paper*	25	75	100	3	4
		TOTAL				400		16
			II SEMESTER					
				V.V	Dis	TOTAL		
III	S2MECD	CC5	Dissertation and viva voce	50	150	200		8
		GRAND TOTAL				600		24
			Guide Paper*					
	S1MEC4A	Economic Reforms and Emerging Issues in India						
	S1MEC4B	Women and Entrepreneurship						
	S1MEC4C	Federal Finance in India						

No of papers

Core courses 4 (each of 4 credits)

Project 1 (8 credits)

Total 5 (24 credits)

a) The Passing minimum for CIA shall be 40% out of 40 Marks(ie 16 Marks)

b)The Passing minimum for Autonomous Examinations shall be 40% out of 60 marks (ie 24 Marks)

c) The Passing minimum not less than 50% in the aggregate

Credit :4
Hours / week :6
Medium of instruction: English

Semester – I

Code: S1MEC1

Paper – I Research Methodology

Objectives: 1. To enable the students to understand the basic concepts of research methods.
2. To make the students to have a quest for social sciences research.

Unit – I Social Science Research: Nature and Special Problems – Objectivity – Research Design – Formation of Research Problem – The role of Survey of Literature – Hypothesis and Model Building.

Unit – II Data Collection – Primary and Secondary Data – Construction of Questionnaire – Table Preparation – Classification of Data.

Unit – III Thesis Writing – Style – Structure and General format – Structure of Thesis – Drafting the Thesis – Documentation in Thesis – Footnotes – Bibliography, Table of Contents, Chart – Appendix.

Unit – IV Review – Normal, Binomial, Poisson, t , x^2 & F distributions – Testing of Hypothesis, Correlation & Regression

Unit – V Time Series Analysis – Components of Time Series – Moving Average – fitting of Trends Analysis: Laspeyre's, Paasche, Ideal Index Numbers –

Reference:

1. Research Methodology, P. Ravilochehanan (2003), 2nd Revised Edition, Margham Publications, Chennai.
2. Research Methodology in Commerce and Management, K.V. Rao (1993), 1st Edition, Sterling Publisher Pvt. Ltd., New Delhi.
3. Research Methodology, P. Saravanavel (2014), 16th Fully Revised and Enlarged Edition, Kitab Mahal Agencies, Allahabad.

Question Paper Pattern

Maximum Marks : 75

Exam Duration : 3 Hours

Part A 10x2=20 Answer all Question (Two questions from each unit)

Part B 5x5=25 Answer all Question (Either or type – Two question from each unit)

Part C 3x10=30 (Answer any three questions one question from each unit)

Signature of the HOD

Credit :4
Hours / week 6

Semester – I

Code: S1MEC2

ADVANCED ECONOMIC THEORY

Objectives:

1. To enable the students to know about the theory of factor pricing .
2. To make the students aware of the changing federal finance structure after the recent Finance Commission reports and GST.

Unit-1

Theory of Factor Pricing :

Factor pricing in Perfectly and Imperfectly Competitive Markets- Wage Determination under Collective Bargaining, Bilateral Monopoly.

Unit -2

General Equilibrium and Social Welfare :

Interdependence in the economy-General Equilibrium and its existence. The Pareto Optimality Criterion of Social Welfare- Marginal Conditions for a Pareto Optimal Resource Allocation- Perfect Competition and Pareto Optimality.

Unit-3

Economics of Information :

Economics of Search : Search costs. Information failure and missing markets. Asymmetric Information : The market for Lemons. Adverse selection : Insurance Markets. Market Signaling.

Unit-4

Is-Lm Model :

Money market equilibrium : The LM curve; Product Market Equilibrium : The IS Curve; The IS and LM Curves Combined Factors Influencing Equilibrium Income and the Interest Rate : Monetary Influences : Shift in the LM Schedule Real Influences : Shift in the IS Schedule.

Unit-5

International Trade : Classical Theory of International Trade, Haberler's Theory of Opportunity Cost; Heckscher-Ohlin Theory of Trade; Law of Reciprocal Demand and Offer Curves

References :

1. Koutsoyannis, R. Modern Microeconomics, Macmillan, London.
2. Salvatore, D. Microeconomics : Theory and Applications. New Delhi : Oxford University Press, 2006.
3. Froyen, R. T. Macroeconomics : Theories and Policies, Delhi : Pearson Education Asia, 2001.

Question Paper Pattern

Maximum Marks : 75

Exam Duration : 3 Hours

Part A 10x2=20 Answer all Question (Two questions from each unit)

Part B 5x5=25 Answer all Question (Either or type – Two question from each unit)

Part C 3x10=30 (Answer any three questions one question from each unit)

Signature of the HOD

Semester - I
(For Students admitted from 2018 -2019)
COURSE –III
TEACHING AND LEARNING SKILLS
(Common Paper for All M.Phil. Courses)

Code : S1MPTL3

Credit: 4

Medium of Instruction : English

Unit I

Computer Application Skills. Computer system: Characteristics, Parts and their functions. Different generations of Computer. Information and Communication Technology (ICT): Definition, Meaning, Features, Trends–Integration of ICT in teaching and learning –ICT applications: Using word processors, spread sheets, Power point slides in the classroom–ICT for Research: On-line journals, e-books, Courseware, Tutorials, Technical reports, Theses and Dissertations

Unit II

Communication Skills. Communication: Definitions. Elements of Communication: Sender, Message, Channel, Receiver, Feedback and Noise–Types of Communication: Spoken and written; Non-verbal communication–Intrapersonal, Interpersonal, Group and Mass communication–Barriers to communication: Mechanical, Physical, Linguistic & Cultural –Skills of communication: Listening, Speaking, Reading and writing –Methods of developing fluency in oral and written communication – style, Diction and Vocabulary –Classroom communication and dynamics

Unit III

Communication Technology: Bases, Trends and Developments –Skills of using Communication Technology. Computer Mediated Teaching: Multimedia, E-content –Satellite based communication: EDUSAT and ETV channels, Communication through web: Audio and Video applications on the Internet, interpersonal communication through the web.

Unit IV

Pedagogy. Instructional Technology: Definition, Objectives and Types–Difference between Teaching and Instruction–Lecture Technique: Steps, Planning of a Lecture, Delivery of a lecture–Narration in tune with the nature of different disciplines –Lecture with power point presentation –Versatility of lecture technique –Demonstration, Characteristics, Principles, Planning Implementation and Evaluation –Teaching –Learning Techniques: Team Teaching, Group discussion, Seminar, Workshop, Symposium and Panel Discussion –Models of teaching: CAI, CMI and WBI

Unit V

Teaching Skills. Teaching skill: Definition, Meaning and Nature –Types of Teaching skills: Skill of Set Induction, Skill of Stimulus Variation, Skill of Explaining, Skill of Probing Questions, Skill of Black Board writing and Skill of Closure –Integration of Teaching Skills–Evaluation of Teaching Skills

References:

1. Bela Rani Sharma (2007), Curriculum Reforms and Teaching Methods, Sarup and sons, New Delhi
2. Don Skinner (2005), Teacher Training, Edinburgh University Press Ltd., Edinburgh
3. Information and Communication Technology in Education: A Curriculum for Schools and programme of Teacher development, Jonathan Anderson and Tom Van Weart, UNESCO, 2002
4. Kumar K.I (2008) Educational Technology, New Age International Publishers, New Delhi
5. Mangal, S.K. (2002) Essential of Teaching –Learning and Information Technology, Tandon Publications, Ludhiana
6. Michael D. and William (2000), Integrating Technology into Teaching and Learning: Concepts and Applications, Prentice Hall, New York
7. Pandey S.K. (2005) Teaching Communication, Commonwealth Publishers, New Delhi,
8. Ram Babu A. and Dandapani S (2006) Microteaching (Vol.1&2) Neelakamal Publications, Hyderabad
9. Singh V.K. and Sudarshan K.N. (1996) Computer Education, Discovery Publishing Company, New York

Question Paper Pattern

Maximum Marks: 75 Marks

Exam Duration: 3

Hour

Part – A – $10 \times 2 = 20$ Marks (Two Question from Each Unit)

Part – B – $5 \times 5 = 25$ Marks (Either or type – Two Questions from Each Unit)

Part – C – $3 \times 10 = 30$ Marks (Three out of five and One Question from Each Unit)

Controller of Examinations

Credit :4
Hours / week 6
Medium of instruction: English

Semester - I

Code: S1MEC4A

ECONOMIC REFORMS AND EMERGING ISSUES IN INDIA

Unit – I Democratic Socialism in India – Mixed Economy and Economic Planning – Structural Reforms in 1980s – The Crisis in 1990s – Rationale for Economic Reforms in 1991 – First Generation Reforms.

Unit – II Reforms in Farm Sector – Macro Management in Agriculture Planning – Agriculture insurance – Reforms in Co – operative Sector – Agri-clinics and Agri- Business Centres – Reforms in Agriculture Marketing – Globalization and Food Security – Challenges in Agriculture Sector.

Unit – III Reforms in Industrial Sector – Industrial Policies before 1991 – Industrial Development – Merger, Acquisition and MNCS – Foreign Investment – FDI and FII – MRTP Policy – TRIMS and TRIPS – Rationale for Disinvestment.

Unit – IV Financial Sector Reforms – Fiscal Stabilization – Fiscal Adjustment – Banking Reforms – Non Bank Financial Sector – Entry of Foreign Private Banks – Monetary Reforms

Unit – V Reforms in Social Sector – Poverty Alleviating Measures – Appraisal – Education and Health – Public and Private Participation – Appraisal of Human Development – Need for Second Generation Reforms – Policies and Measures.

Reference:

1. Economic Development and Reform in India and China; A Comparative perspective, Subramanian Swamy (2010), Haranand Publications, New Delhi.
2. The Indian Economy Since 1991; Economic Reforms and Performance, B.A. Prakash (2011), Pearson Education, Second Edition, New Delhi.
3. Emerging India; Economics, Politics and Reforms, Bimal Jalan (2013), Penguin India Publisher, New Delhi.

Question Paper Pattern

Maximum Marks : 60

Exam Duration : 3 Hours

Part A 5x6=30 (Either or type – Two question from each unit)

Part B 3x10=30 (Answer any three questions one question from each unit)

Signature of the HOD

Credit :4
Hours / week 6
Medium of instruction: English

Semester – I

Code: S1MEC4B

WOMEN AND ENTREPRENEURSHIP

- Objectives:
1. To enable the students to know the need and significance of entrepreneurship especially the women one in the make in India era.
 2. To make the students aware of the incentives offered to women entrepreneurship.

- Unit I** Concept and Meaning – Significance of Women Entrepreneurship – Entrepreneurial traits – Factors contributing to Women Entrepreneurship – Social, Cultural, Economic, Political and other factors - Relationship between Entrepreneurship and Empowerment – Gender and Technology –
- Unit II** Strategies of Women Entrepreneurship Development – EDP – Objectives – Women EDPs – Micro Enterprises – Self employment opportunities – Trends and Patterns of Women Entrepreneurship – Non-farm - Biotechnology and Information Technology – Entrepreneurship.
- Unit III** State and Central Initiatives – Institution and Schemes – National Institute of Entrepreneurship and small Business Development (NIESBED) – The National Small Industries Corporation Limited (NSIC) – National Bank for Agriculture and Rural Development (NABARD) - MSME – DIP - Small Industries Development Bank of India (SIDBI) – Small Industries Development Organization (SIDO) – The Indian Institute of Entrepreneurship (IIE) – DIC - The Khadi and Village Industries Commission. (KVIC)
- Unit IV** Project identification - Steps – Information needs and sources – Identifying Business opportunities – Ideas – Opportunities – Project formulation
- Unit V** Project appraisal - Market, Technical, Financial, Economic, Managerial and Social feasibility - Project report preparation.

References

- 1.S. Maria John, R. Jeyabalan, and S. Krishnamurthy, 2004, *Rural Women Entrepreneurship*, Discovery Pub House.
2. Malcom Harper, 1998, *Profit for the Poor - Cases in Micro Finance*, Oxford and IBH publishing House, New Delhi.
- 3.Soundrapandian (ed), 2000, *Women Entrepreneurship- Issues and Challenges*, Ashish Publishing House New Delhi.

Question Paper Pattern

Exam Duration : 3 Hours

Maximum Marks:60

Part – A (5x6=30) – Answer all questions ((Either or type – Two questions from each unit.)

Part – B (3x10=30) – Answer any three questions (One question from each unit)

Signature of the HOD

Credit :4
Hours / week 6
Medium of instruction: English

Semester – I

Code: S1MEC4C

FEDERAL FINANCE IN INDIA

Objectives: 1. To enable the students to know the economics of federalism and the role of finance commission
2. To make the students aware of the changing federal finance structure after the recent Finance Commission reports and GST.

Unit I Meaning of Federal Finance – Principles of Federal Finance – Balance factors in Federal Finance – Constitutions provisions – Allocation of Revenue between Centre and State.

Unit II Meaning and features of Federal Policy – Economic Basis of Decentralization – Advantages – Nature of Indian Federation.

Unit III Economic Planning in India – Establishment of Planning Commission – National Development Council – Transfer of resource thought-Planning Commission-Niti Ayog

Unit IV Finance Commission – working of Finance Commission – Sharing of Taxes from Centre to States – income tax – excise duties – Grants-in-Aid.

Unit V Issues in Centre – State – Financial Relations – Centralization of Revenues – Inter regional inequalities and Transfer Public borrowing and indebtedness of States – Taxation service.

Reference:

- 1) Centre – State Financial Relation in India ,M.M. Sury(2010), second Edition, New Century Publication, New Delhi.
- 2) Public Finance in Theory and Practice, Musgrave & Musgrave (2009), International Student Edition, New Delhi.
- 3) Federal India – Emerging Economic Issues, V.S. Jafa (1999), New Century Publication, New Delhi.

Question Paper Pattern

Exam Duration : 3 Hours

Maximum Marks:60

Part – A (5x6=30) – Answer all questions ((Either or type – Two questions from each unit.)

Part – B (3x10=30) – Answer any three questions (One question from each unit)

Signature of the HOD