SRI KRISHNADEVARAYA UNIVERSITY :: ANANTAPUR
DIRECTORATE OF DISTANCE EDUCATION

M.A., M.Sc., M.Com., MBA
SECOND YEAR

ASSIGNMENTS

S1

INSTRUCTIONS TO THE CANDIDATES

1) All assignments are compulsory. Each assignment is for 25 marks. A student is required to secure a pass mark of 35% (i.e., 09 out of 25, MBA 10 marks out of 30marks) in each assignment and aggregate 40% i.e., (50 marks) in all five papers.

2) If a student fails to get the minimum required marks in the assignments, he / she has to submit the assignments whining the three months of the same academic year and failing which he has to submit next academic year and will get two marks memos i.e. one for theory and another for assignments.

3) While answering the assignments, the candidates are required to follow the instructions given under :

    (a) Use A4 size paper with wide margins for writing for assignments.

    (b) Write your Enrolment Number, Name, Subject, Paper Number, Paper Title and Month & Year of the Assignment on the first page of each Answer book.

    (c) Answer the assignments in your *own handwriting.* Typed, Xeroxed or Computer printed answer sheets shall not be accepted.

4) Copying or resorting to malpractice shall attract penal measures upto debarring the candidates from writing the year end examination.

5) The last date for the submission of assignments is **31-08-2015**

6) Submit your answered assignments either in person or by Regd. Post / Courier to the *Director, Centre for Distance Education, Sri Krishnadevaraya University, Anantapur – 515 003.* Please write *"Assignments, Name of the Subject, and the Enrolment No."* on the envelop.

7) The candidates those who have completed their grace period of 3 years for submission of assignment may submit their assignment before the end of the third year with a penal of Rs.50/- per each assignment.

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ASSIGNMENT

Second Year M.A. HISTORY
Paper VI – Historical Method and Historiography

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Errors in Historical Writing

2)   Jadunath Sarkar

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Examine the Nature and Scope of History.

4)   Examine the contribution of Karl Marx to historical writing.

5)   What is meant by Philosophy of History ?

6)   Discuss the importance of External Criticism.

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ASSIGNMENT

Second Year M.A. HISTORY
Paper VII – History of Modern India (1757-1964)

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Write the importance of battle of Plassey ?

2)   Discuss role of Hyder Ali in South India ?

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Write critically about Regulating Act of 1773 and its importance ?

4)   How far Western was responsible for the birth of National Movement ?

5)   Write the causes for the Revolt of 1857 ?

6)   Jawaharlal Nehru was architect of Modern India. Discuss ?

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ASSIGNMENT

Second Year M.A. HISTORY
Paper VIII – History of the Indian National Movement (1857-1947)

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Gopala Krishna Gokhale

2)   Quit India Movement

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Do you agree that 1857 revolution is first war of independence in Indian National Movement.

4)   Estimate Dadabhai Nauroji's drain theory.

5)   Examine the importance of Civil disobedience Movement in Freedom Struggle.

6)   The role and participation of workers in Indian National Movement.

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ASSIGNMENT

Second Year M.A. HISTORY
Paper IX – History of Europe (1789-1945)

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Napolean Bonaparte

2)   Hitler

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Explain industrial revolution.

4)   Explain the revolution of 1848.

5)   Explain the Russian revolution of 1917.

6)   Explain the causes of First World War.

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ASSIGNMENT

Second Year M.A. HISTORY
Paper X – History of the World (1945-to the present)

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   North Atlantic Treaty Organisation

2)   Non-Aligned Movement

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Explain the structure of UNO.

4)   Trace the causes of Cold War.

5)   Trace the role of Communist China in World Affairs.

6)   Trace the role of Japan Since 1945.

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ASSIGNMENT

**Second Year
M.A. POLITICAL SCIENCE
Paper VI – Indian Political Thought**

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Manu Dharmasastra

2)   Political Thought during Nationalist Movement

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Explain Political contributions of Gokhale.

4)   Examine Gandhian ideas on State and Government.

5)   Elucidate the Social and Political contribution of Dr. B.R.Ambedkar.

6)   Write an essay on Secularism in Indian Political Thought.

**Second Year M.A. POLITICAL SCIENCE
Paper VII – International Relations Theory**

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Examine the New trends in International Relations Theory.

2)   Explain the major Instruments of Foreign Policy.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Explain Morgenthau's Realist Theory.

4)   Discuss the Relevance of Non-Alignment in Post-Cold War Era.

5)   Examine the role of SAARC in promoting peace in the region.

6)   Discuss the Emerging Issues of New World Order.

Paper VIII – Modern Political Theory

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Evolution of Modern Political Theory.

2)   Relevance of Political Theory.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Explain Traditional approaches to the Study of Political Theory.

4)   Write an essay on Political Ideology.

5)   Bring out distinction between Political Theory – Political Philosophy and Political Analysis.

6)   What are the characteristics of Political Modernization.

Paper IX – Political Sociology

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Authority

2)   Legitimacy

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Write about Political Culture.

4)   Meaning of Political Sociology.

5)   Agents of Political Socialisation.

6)   Discuss about Political Development.

Paper X – State Government and Politics

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Voting Behaviour

2)   Terrorism

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Examine the relations between the Governor and the Chief Minister of a State ?

4)   Discuss the role of Caste in the Contemporary Indian Politics ?

5)   Write an essay on Crisis of Governance ?

6)   Explain the structure and functions of the State Legislature of Andhra Pradesh ?

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ASSIGNMENT

Second Year M.A. SOCIOLOGY
Paper VI – Industrial Sociology & Labour Welfare

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Explain about Manorial System and Guild System

2)   Line And Staff in organisation

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Discuss nature and scope of Industrial Sociology.

4)   Factors system. Explain conditions of rise and characteristics of Factory System.

5)   Discuss F.W.Taylor's Scientific Management ?

6)   Explain causes of Industrial Disputes and Machinery for the settlement of Industrial disputes (a) Arbitration (b) Conciliation (c) Adjudication.

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ASSIGNMENT

Second Year M.A. SOCIOLOGY
Paper VII – Social Demography & Family Welfare

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Sources of Demographic Data

2)   Demographic Transitional Theory

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Nature and Scope of Demography.

4)   Sex Ratio in India and its implications.

5)   Socio-economic determinants of fertility.

6)   Objectives and Need for Population Education in India.

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ASSIGNMENT

Second Year M.A. SOCIOLOGY
Paper VIII – Sociology of Weaker Sections & Development

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines　　　1 x 5 = 5

1)　　Discuss the concepts of Social equality and Social inequality.

2)　　Discuss different theories that explain the origin of Untouchability.

Section – B

Answer any TWO of the following in minimum 60 lines　　　2 x 10 = 20

3)　　Write an essay on different dimensions of inequality.

4)　　What are different constitutional provisions meant for Scheduled Castes.

5)　　Discuss the Status of Woman through ages in India.

6)　　Write an essay on Social and Economic Organisation of the Tribals in India.

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ASSIGNMENT

Second Year M.A. SOCIOLOGY
Paper IX – Medical Sociology

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Definition and Dimensions of Health.

2)   Concept of Sick Role.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Define Health ? Discuss the Sociological perspectives on Health.

4)   Explain Illness and Deviance and the labeling theory.

5)   Explain the process of seeking Medical Care.

6)   Write an essay on National Health Policy.

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ASSIGNMENT

Second Year M.A. SOCIOLOGY
Paper X – Social Disorganization & Criminology

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Concepts of Delinquency.

2)   Changing trends of punishment.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Criminal Tribes.

4)   Open Prison System.

5)   Classical and neo-classical schools of Criminology.

6)   Consequences of Prostitution.

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ASSIGNMENT

Second Year M.A. ECONOMICS
Paper – VI Financial Markets

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Explain the functions of Financial Markets

2)   Describe different types of Securities Markets

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Discuss various instruments traded in the money market

4)   Describe the organization and functions of Stock Exchanges

5)   Write a note on the Portfolio Management in India

6)   Examine the structure and functioning of Newyork Stock Exchange

Paper – VII International Economics

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Leontief Paradox

2)   Foreign Trade Multiplier

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Modern theory of International Trade

4)   Factors affecting the terms of Trade

5)   Causes for Disequilibrium in the Balance of Payments

6)   Objectives and methods of Exchange Rates

Paper – VIII Economic Development and Planning

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1) Economic growth and development

2) Unlimited supplies of labour

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3) Critically examine Marxian theory of Economic Development.

4) Unbalanced growth strategy is more effective than balanced growth strategy. Explain.

5) Bring out the differences between Capitalist Planning and Socialist Planning.

6) Discuss the merits and demerits of Capital Intensive Technique.

Paper – IX Indian Economy

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1) Explain the causes of under development.

2) Briefly examine the various economic determinants of Economic Development.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3) Discuss the causes for low productivity in Indian Agriculture.

4) Analyse the Poverty and Trickle down hypothesis in the Rural India.

5) Describe the issues of Privatisation in a developing economy.

6) Examine the reasons for regional disparities in India.

Paper – X Development Banking

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Explain the functions of the Financial System.

2)   Distinguish between Quantitative and Qualitative Credit Controls.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Define a Co-operative Bank and explain its three-tier structure.

4)   Discuss the role played by NABARD in the agricultural development of the country.

5)   What is Money Multiplier ? Explain the Money Multiplier Process.

6)   Discuss the need for external commercial borrowings in India.

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ASSIGNMENT

Second Year M.A. ENGLISH
Paper VI – Comparative Literature

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   The allegory of Sin and Death in <u>Paradise Lost</u>, Book II

2)   The Sutradhara in Sanskrit drama

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Explain the scope and range of Comparative literature as outlined by Rene Wellek and Austin Warren.

4)   Write a note on characterization in <u>Sakuntalam.</u>

5)   Critically evaluate <u>The Frogs</u> as a Greek comedy.

6)   Comment on the themes of freedom and patriotism in Subramania Bharati's poetry.

Paper VII – Commonwealth Literature (Excluding Indian English Literature)

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Write a critical note on 'Bullocky'.

2)   Comment on the post-colonialism in the poetry of Walcott.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Assess <u>Things Fall Apart</u> as an archetypal African novel.

4)   Consider <u>The Mimic Men</u> as an attempt for self-recognition.

5)   Discuss Margaret Laurence' feminism in <u>The Diviners.</u>

6)   Consider <u>Travelling North</u> as a social commentary on 'Marriage'.

Paper VIII – Literary Criticism

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   The unities of time and place

2)   Signs

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   What according to Johnson are the merits and demerits of Shakespeare as a playwright ?

4)   Discuss Eliot's evaluation of the metaphysical poets.

5)   Comment on Brooks' method of critical analysis of poetry.

6)   Discuss Northrop Frye's views on a academic criticism.

Paper IX – American Literature

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Frost as a Regional Poet

2)   Transcendentalism

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   What are the characteristic features of the poetry of Wallace Stevens.

4)   Explain why "The American Scholar" is regarded as America's 'Intellectual Declaration of Independence'.

5)   Comment on the theme of Sin in The Scarlet Letter.

6)   Write an essay on the thematic concerns of Lorraine Hansberry in A Raisin in the Sun.

Paper X – Indian Literature

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Anandamoyi in <u>gora</u>

2)   Myth of Katalamma in <u>Chemmeen</u>

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Attempt a critical appreciation of "To Poesy : A Rhapsody"

4)   Discuss Subramania Bharatis' Poetry.

5)   Examine the structure of <u>Samskara</u>

6)   Bring out the tragedy of Hori in <u>Godan</u>

Paper - VI : సాహిత్య విమర్శ – సౌందర్య శాస్త్రం   Max Marks : 25

Section - A

Answer any ONE of the following in minimum 40 lines   1x5=5

1. లలిత కళలు
2. తెలుగు సాహిత్యంలోని ఉద్యమాలను పరిచయం చేయండి.

Section - B

Answer any TWO of the following in minimum 60 lines   2x10=20

3. నాటకోత్పత్తిని గురించిన భిన్న సిద్ధాంతాలను పరిచయం చేయండి.
4. సాహిత్యంలో అస్పష్టత, సంక్లిష్టత, అశ్లీలతలను గురించి వివరించండి.
5. కవిత్వాన్ని గురించి కావ్యాన్ని గురించి ప్రాచ్య పాశ్చాత్యుల నిర్వచనాలను పేర్కొని వాటి తారతమ్యాలను విశ్లేషించండి.
6. సాహిత్య విమర్శలోని మౌలికాంశాలను స్థూలంగా పరిచయం చేయండి.

Paper - VII : ద్రావిడ భాషా విజ్ఞానం   Max Marks : 25

Section - A

Answer any ONE of the following in minimum 40 lines   1x5=5

1. ద్రావిడ భాషల సామాన్య లక్షణాలను గురించి రాయండి.
2. తెలుగు సంధి

Section - B

Answer any TWO of the following in minimum 60 lines   2x10=20

3. భారతదేశంలోని భాషా కుటుంబాన్ని గురించి రాయండి.
4. మూలద్రావిడ అచ్చుల్లో వచ్చిన మార్పుల గురించి రాయండి.
5. ద్రావిడ భాషల్లో భూతకాలిక క్రియారూప నిర్మాణాన్ని గురించి రాయండి.
6. ఆశీశ్వాప క్రియారూప నిర్మాణాన్ని గురించి రాయండి.

Paper - VIII : తెలుగు వ్యాకరణము, ఛందస్సు, అలంకారాలు   Max Marks : 25

Section - A

Answer any ONE of the following in minimum 40 lines   1x5=5

1. ఆరు రకాల కారకాలను గురించి తెలపండి.
2. ప్రకీర్ణ పరిచ్ఛేదంలో సూరి తెలిపిన అంశాలను వివరించండి.

Section - B

Answer any TWO of the following in minimum 60 lines   2x10=20

3. యతి ప్రాసల ప్రయోజనాన్ని వివరించండి.
4. హల్సంధులను పరిచయం చేయండి.
5. ఉపమాలంకార రకాలను పరిచయం చేయండి.
6. అసమాపక క్రియలను గురించి రాయండి.

Paper - IX : ఆధునికాంధ్ర కవిత్వము   Max Marks : 25

Section - A

Answer any ONE of the following in minimum 40 lines   1x5=5

1. నేతాజీ ఖండకావ్యం ఆధారంగా జాషువా కవితా వైశిష్ట్యాన్ని వివరించండి.
2. 'విద్వాన్ విశ్వం పెన్నేటి పాట – కన్నీటి మూట' చర్చించండి.

Section - B

Answer any TWO of the following in minimum 60 lines   2x10=20

3. శ్రీశ్రీ మహాప్రస్థానంలోని అభ్యుదయ కవితా లక్షణాలను వివరించండి.
4. స్త్రీవాద కవిత్వాన్ని గురించి రాయండి.
5. ఆధునికాంధ్ర సాహిత్యంలో దళిత చైతన్యాన్ని గురించి రాయండి.
6. 'మట్టిమనిషి ఆకాశం' వైశిష్ట్యం.

Paper - IX : దాక్షిణాత్య సాహిత్యాలు – తులనాత్మక అధ్యయనం   Max Marks : 25

Section - A

Answer any ONE of the following in minimum 40 lines   1x5=5

1. తులనాత్మక అధ్యయన పద్ధతుల ప్రయోజనాన్ని గురించి రాయండి.
2. మలయాళ సాహిత్యం

Section - B

Answer any TWO of the following in minimum 60 lines   2x10=20

3. తమిళ సాహిత్య పుట్టుక పరిణామాన్ని గురించి రాయండి.
4. దాక్షిణాత్య సాహిత్యాల్లో శైవసాహిత్యాన్ని సంగ్రహంగా తెల్పండి.
5. తెలుగు దేశి సాహిత్యాన్ని గురించి రాయండి.
6. తిరువళ్ళువర్, వేమన, సర్వజ్ఞుల కవితలను తులనాత్మకంగా పరిశీలించండి.

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Critically evaluate the problems of Globalisation.

2)   Explain the responsibilities of business towards society.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   "Discrimination to none and open to all" is the thrust of WTO. Elucidate.

4)   Critically review the technology policy of India.

5)   Critically evaluate the Industrial Policy of Indian Government.

6)   Discuss the causes for Industrial Sickness.

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   What do you understand by Human Resource.

2)   Explain the concept of Job Analysis.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   What is performance appraisal ? State the various methods of appraisal.

4)   Discuss the various methods of compensating human resources.

5)   State the importance of workers participation in management.

6)   What is internal mobility ? Examine various modes of internal mobility.

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Explain the role of Financial Manager.

2)   List out the objectives of inventory management.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Discuss the salient features of the traditional and modern approach to financial management.

4)   Discuss the important methods of valuation of equity shares.

5)   Discuss the recent developments in Indian Capital Market.

6)   Find out the present value of cash flows of a firm during five years, the discount rate being 9%.

Year			Cash flow (Rs.)
1997	…	…	12,000
1998	…	…	10,000
1999	…	…	5,000
2000	…	…	9,000
2001	…	…	8,000

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   What is the purpose of the statement of changes in financial position ? How does it differ from a Balance Sheet ?

2)   Distinguish between marginal costing and absorption costing. Also examine their relative appropriateness.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   What is the significance of the term "Variance" relating to standard costing ? What types of variances are computed for (a) materials, and (b) labour ?

4)   What is management accounting ? How it assists in corporate planning process ?

5)   Define Budgetary control and discuss the objectives of introducing a budgetary control system in your own organization ?

6)   What is Management Information System ? How it helps the modern organizations in planning functions ?

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   What is YTM ?

2)   Define Portfolio risk and portfolio return.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   Explain various models in the valuation of equity shares.

4)   How is technical analysis different from fundamental analysis in investment management ?

5)   "Mutual Funds are better performers than Individuals". Examine this statement.

6)   Discuss various measures of evaluating portfolio performance.

CENTRE FOR DISTANCE EDUCATION

Sri Krishnadevaraya University :: Anantapur

ASSIGNMENT

Second Year M.Sc., MATHEMATICS
Paper VI – Complex Analysis

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1) Derive the necessary conditions for a complex function to be an Analytic function.

2) Show that an analytic function of a constant modulus is constant.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3) State and prove Cauchy integral theorem.

4) State and prove Cauchy – Hadmard theorem.

5) State and prove Cauchy Residue theorem.

6) Derive the poisson integral formula satisfied by the real and imaginary parts of an analytic function.

Paper VII – Commutative Algebra

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1) If N and L are submodules of an R-module M, then prove that $(L+N) - N \sim L - (L \cap N)$

2) If R is a Principal ideal ring and M is an R-module having a basis of n elements, then show that every submodule N of M has a basis of n elements.

Section – B
Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3) If an R – module M has a composition series, then prove that any two composition series of M are equivalent.
4) In a ring R with ascending chain condition prove that every irreducible ideal is primary.

5) State and prove Principal ideal theorem.

6)   Prove that an integral domain R is a Dedekind domain if and only if R satisfies the following conditions.

(i) R is Noetherian   (ii) Every Proper Prime ideal of R is maximal

(iii) R is integrally closed.

Paper VIII – Functional Analysis

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   State the Hahn-Banach theorem. If M is a closed linear sub space of a normed linear Space N and x_0 is a vector not in M then show that there exists f_0 in N^* such that $f_0 (M) = 0$ and $f_0 (x_0) \neq 0$

2)   Define normal and unitary operators. Show that an operator T on H is normal $\Leftrightarrow$ its real and imaginary parts commute.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   State and prove the open mapping theorem.

4)   (i) Show that a closed convex subset C of a Hilbert Space contains a unique vector of smallest norm.

(ii) State and prove the Bessels in equality.

5)   State and prove spectral theorem for finite dimensional Hilbert spaces.

6)   State and prove Gelfand Neumark theorem.

Paper IX – Fluid Dynamics

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Derive equation of continuity

2)   State and prove kelvin's circulation theorem.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   State and prove Blasius theorem.

4)   Derive Navier-Stokes is equations for a viscous fluid flow.

5)   Discuss the flow of a viscous fluid in between two horizontal parallel planes.

6)   Show that the drag on a fixed sphere of radius is $D = 6 \pi \mu$ av

Paper X – Graph Theory

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1)   Show that there is one and only one path between every pair of vertices in a tree and that a tree with n vertices has n – 1 edges.

2)   Define chromatic number of a graph and show that every tree with two or more vertices is 2-chronalic.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3)   a) Define a Planar graph and show that the complete graph of five vertices is non-planar.

   b) Show that a connected planar graph with n vertices and e edges has e-n+2 regions.

4)   a) State and prove Whitney's theorem.

   b) Find the anromalic polynomial of a tree with n-vertices.

5)   a) State and prove Max flow min-cut theorem.

    b) Define a minimal covering of a graph G. Show that a covering g of a graph is minimal if and only if g contains no path of length three or more.

6)   a) State and prove five color theorem.

   b) Show that every complete tournament has a directed Hamiltonian parts.

SRI KRISHNADEVARAYA UNIVERSITY :: ANANTAPUR
CENTRE FOR DISTANCE EDUCATION (C.D.E.)

SECOND YEAR – M.B.A.

ASSIGNMENTS

Paper VIII – Economics for Management

Max Marks : 30

Answer **ALL** questions. Each question carries 5 marks.   6 x 5 = 30

1)   Explain how do you measure elasticity of demand. Illustrate. How do you interpret the different types of elasticity.

2)   Define Cost. Explain the different cost concepts used in the process of cost analysis.

3)   "Monopoly is disappearing from markets". Do you agree with this statement ? Do you advocate for monopoly to continue in market situations ?

4)   Explain Linear Programming and its role in business management.

5)   What is the basic principle underlying the approach used by a profit maximizing manager to capital budgeting decisions ?

6)   What is knowledge management ? Explain the features of k-economy.

xxxxx

SECOND YEAR – M.B.A.
Paper IX – Statistics for Management

Max Marks : 30

Answer **ALL** questions. Each question carries 5 marks.　　　　　6 x 5 = 30

1) (a) Distinguish between primary data and secondary data. Explain the various methods of collecting primary data.

(b) Determine mean and standard deviation for the following data :

Class Interval	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80
Frequency	22	40	52	44	37	17

2) (a) What is regression ? Estimate regression equations and regression line of y on x from the following data :

X	6	2	10	4	8
Y	9	11	5	8	7

(b) Explain the different components of time-series.

3) (a) Define (i) Mathematical Probability and (ii) Axiomatic Probability. Explain the need of Probability in business.

(b) State and prove addition theorem of Probability.

4) (a) Distinguish between Census and sample enquiry. Explain various sampling schemes in brief.

(b) The following data provides the sample information on income and the company for a cell phone connection. Apply the appropriate test of significance and comment on it.

Company / Income	BSNL	TATA	AIRTEL	RELIANCE
Low	20	30	30	20
Medium	80	120	200	60
High	250	450	300	320

5) (a) Define the general linear programming problem ? Discuss the degeneracy in L.P.P.

(b) Solve the following L..P.P.
　　Minimize $Z = X_1 + X_2$ subject to : $2X_1 + X_2 \geq 4$, $X_1 + 7X_2 \geq 7$, $X_1, X_2 \geq 0$

6) (a) What is a transportation problem ? Explain the method of getting initial basic feasible solution of transportation problem.

(b) What are the rule of drawing a network diagram ? Explain the salient differences between PERT and CPM techniques.

SECOND YEAR – M.B.A.
Paper X – Business Policy and Strategic Management

Max Marks : 30

Answer **ALL** questions. Each question carries 5 marks.   6 x 5 = 30

1)   What is Strategic Management ?   Explain in detail various stages in Strategic Management Process ?

2)   What is Organisational Appraisal ?   Discuss the strength and Weakness analysis in Organisational Performance ?

3)   What are the factors to be considered in Strategy Implementation ?   Explain Organisational Change and Development in this context ?

4)   What are the Chief functional issues in Strategy Implementation ?   Explain Human Resource Policies in Strategy Implementation ?

5)   Define Control ? Explain various stages of Strategic Control ?

6)   Discuss Strategic Management of Non-profit organisations.

xxxxx

SECOND YEAR – M.B.A.
Paper XI – Business Law

Max Marks : 30

Answer **ALL** questions. Each question carries 5 marks.   6 x 5 = 30

1)   Discuss fully the essentials of a valid contract. What are the various remedies available to a party in case of breach of contract ?

2)   Who is an unpaid seller ? State and explain the rights of an unpaid seller against (a) the goods and   (b) the buyer (personally).

3)   State the principles governing the mutual relations of partners. What are the duties of the partners towards one another ?

4)   Explain the characteristics of negotiable instruments and also explain in detail about the dishonour of cheques.

5)   "Memorandum of association is a charter of company". Comment upon the statement and explain the clauses, which are included in memorandum of association of a company.

6)   What are the objectives of Consumer Protection Act. 1986 ? Explain.

xxxxx

SECOND YEAR – M.B.A.
Paper XII – Production and Operations Management

Max Marks : 30

Answer **ALL** questions. Each question carries 5 marks.   6 x 5 = 30

1)   Explain the Nature and Scope of Production Management.

2)   What are the principles and types of layouts ?

3)   Explain objectives and importance of Materials Management.

4)   What are the ways of improving Productivity ?

5)   Examine Inventory Control Techniques.

6)   What are the factors to be considered in the location of a plant ?

SECOND YEAR – M.B.A.
Paper XIII – Management Information Systems

Max Marks : 30

Answer **ALL** questions. Each question carries 5 marks.   6 x 5 = 30

1)   Briefly explain the significance of MIS to an organisation.

2)   Define and explain with suitable examples (a) Data (b) Information (c) System

3)   Explain the three management levels with suitable examples.

4)   Explain two decision models in management with suitable examples.

5)   Briefly explain different stages of SDLC.

6)   Briefly explain the different external and internal factors operating in the Industry.

xxxxx

SECOND YEAR – M.B.A.
Paper XIV – International Business

Max Marks : 30

Answer **ALL** questions. Each question carries 5 marks.   6 x 5 = 30

1)   What is Social and Cultural Environment ? Analyse the impact of social and cultural factors on the global business.

2)   Describe the organisation structure of World Trade Organisation.

3)   What are the peculiarities of Global Strategic Management ?

4)   Explain the trends in the India's balance of payments position. What are the reasons for disequilibrium in the balance of payments.

5)   How does the global advertising differ from the local advertising ?

6)   How do you view that most part of the international business would be virtual in the near future.

xxxxx

SECOND YEAR – M.B.A.
Paper XV – Entrepreneurship Development

Max Marks : 30

Answer **ALL** questions. Each question carries 5 marks.   6 x 5 = 30

1)   What is Entrepreneurship ? Briefly explain the relevance of the concept of Indian Economy.

2)   Explain how a socio, cultural and political environment of a nation influence the development of Entrepreneurial spirit among its people.

3)   What is Project Management ? Explain various components in Project Management with suitable examples.

4)   Assess the role of the financing institutions which provide loans to small scale enterprises.

5)   What are the reasons for business failure ?   What precautionary measures should an entrepreneur take to prevent sickness ? Explain.

6)   Describe the suitable techniques of observing markets and prospective consumers in a developing country like India to make business successful.

M.Sc., BOTANY SECOND YEAR
ASSIGNMENT QUESTION PAPERS
PAPER V. PLANT REPRODUCTION, PLANT ANATOMY AND PLANT TISSUE CULTURE

SECTION A
Answer any ONE of the following in minimum 40 lines   1x5=5
1. NPC system
2. Apomixis

SECTION B
Answer any **TWO** of the following in minimum 40 lines   2x10=20
3. Describe the development of female gametophyte in Angiosperms.
4. Give a detailed account on shoot apical meristems and theories related with it
5. Write an essay on somatic embryogenesis.
6. Explain the method of Anther culture and applications of haploids.

PAPER VI: PLANT MOLECULAR BIOLOGY AND GENETIC ENGINEERING
SECTION -A
Answer any ONE of the following in minimum 40 lines   1x5=5
1. Semi-Conservative mode of DNA replication
2. Ti Plasmid

SECTION -B
Answer any **TWO** of the following in minimum 60 lines   2x10 = 20
3. Write about post transcriptional modifications
4. Give an account on the mechanism of gene regulation in prokaryotes
5. Discuss various applications of Recombinant DNA Technology in Agriculture.
6. Write an account on molecular markers.

PAPER VII: ECOLOGY AND BIODIVERSITY
SECTION -A
Answer any **ONE** of the following in minimum 40 lines   1x5=5
1. Environmental Impact Assessment
2. Grasslands

SECTION -B
Answer any **TWO** of the following in minimum 60 lines

2 x 10 = 20 Marks
3. Explain the energy flow in ecosystems.
4. Describe the characteristics of plant communities.
5. What is global warming? Write the impacts of warming on environment.
6. Give an account on conservation of biodiversity.

PAPER VIII: BIOSYSTEMATICS, ETHNOBOTANY AND PHARMACOGNOSY
SECTION A
Answer any ONE of the following in minimum 40 lines

1x5 = 5
1. Genotype
2. Drug Adulteration

SECTION B
Answer any TWO of the following in minimum 60 lines

2x10 = 20
3. Define biosystematics and explain its significance in plant evolution
4. Give a detailed account on Chemosystematics.
5. Write notes on different systems of Indian medicine.
6. What are traditional and alternative systems of medicine? List out any 10 potential medicinal plants, cultivating in Andhra Pradesh.

Paper - V : ORGANIC REACTION MECHANISM

Max. Marks : 25

SECTION - A

Answer the following questions   2x10=20 Marks

1. What is an anchimeric assistance? Write an account of neighbouring group participation reactions where nitrogen and argl groups are involved.

2. Discuss the mechanism of following:
   (a) Hozmann rearrangement.
   (b) Bayer - Villiger rearrangement.

SECTION -B

Answer the following question.   1x5=5 Marks

3. What is Paterno - Buchi reaction? Discuss the stereochemistry of Paterno - Buchi reaction.

Paper - VI : ORGANIC SPECTROSCOPY

Max. Marks : 25

SECTION - A

Answer the following questions   2x10=20 Marks

1. Draw a schematic diagram of IR spectrometer. Describe its function. Write an account of sampling techniques in IR.

2. Write an essay on the factors affecting chemical shifts in Proton and ^{13}C NMR.

SECTION - B

Answer the following question.   1x5=5 Marks

3. Write an account of the following.
   (a) MC Lafferty rearrangement.
   (b) Metastable icons

Paper VII - ORGANIC SYNTHESIS

Max. Marks : 25

SECTION - A

Answer the following questions   2x10=20 Marks

1. Describe the mechanism of following.
   (a) Witting reaction
   (b) Claisen rearrangement.

2. Write an account of the following.
   (a) Hydroboration and Oxidation.
   (b) Phase Transfer Catalysis.

SECTION - B

Answer the following question.   1x5=5 Marks

3. Define the following with examples.
   (a) Synthon and Synthetic equivalent.
   (b) Functional Group Inter Conversion.

Paper VIII - NATURAL PRODUCTS AND BIOPOLYMERS

Max. Marks : 25

SECTION - A

Answer the following questions.   2x10=20 Marks

1. Write an account of the structural elucidation of cholesterol.
2. Write an account of the structural elucidation of Morphine.

SECTION – B

Answer the following question.   1x5=5 Marks

3. Write an account of the secondary structure of DNA.

M.Sc. DEGREE SECOND YEAR ASSIGNMENT PAPER
ASSINGMENT-II
PHYSICS
PAPER V – ADVANCED QUANTUM MECHANICS

Max.Marks:25

PART-A
Answer ALL questions
Each question carries 3 marks.

1. Explain postulates of quantum Mechanics.

2. What is Bra and Ket notation? Explain the properties of Bra and Ket vectors.

3. Explain Creation, Annihilation and number operators and significance.
   .

PART-B
Answer ALL questions
Each question carries 8 marks

4. a).Explain how Klein-Gordon equation leads to positive and negative probability density
    values.
   b) Write a note on theory of holes..

5. a). Explain the Schrodinger method of solving the problem of harmonic oscillator
    b) Discuss the significance of zero point energy.

M.Sc. DEGREE SECOND YEAR ASSIGNMENT PAPER
ASSINGMENT-II
PHYSICS
Paper-VI- Nuclear Physics and Molecular Spectroscopy

Max.Marks:25

PART-A
Answer ALL questions
Each question carries 3 marks.

1 Explain the concepts of Nuclear shell model

2 Explain Chemical shift in NMR with suitable examples.

3 Outline the importance of isotopic effect. What do you know from it?

PART-B
Answer ALL questions
Each question carries 8 marks

4. Based on liquid drop model derive an expression for semi-empirical binding energy formula.

5. Describe with a neat sketch, the working of IR Double beam spectrometer.

M.Sc. DEGREE SECOND YEAR ASSIGNMENT PAPER
ASSINGMENT-II
PHYSICS
PAPER VII – NUMERICAL METHODS AND PROGRAMMING IN C

Max.Marks:25

PART-A
Answer ALL questions
Each question carries 3 marks.

1. Derive Newton's backward difference interpolation formula and write its significance.
2. Explain the Euler's Method in solving ordinary differential equations.

3. Write a note on Assignment statements and Input/output instruction in 'C'.

PART-B
Answer ALL questions
Each question carries 8 marks

4. a).Derive the Trapezoidal rule.

   b).Find the area bound by the curve and x axis from x= 7.47 to7.52 using the table.

x	7.47	7.48	7.49	7.51	7.52
F(x)	1.93	1.95	1.98	2.03	2.06

4. a) Explain the principle of Gauss Elimination Method.

   b) Develop algorithm for the above method.

M.Sc. DEGREE SECOND YEAR ASSIGNMENT PAPER
ASSINGMENT-II
PHYSICS
Paper-VIII- Digital Electronics, Microprocessors and Communication Electronics

Max.Marks:25

PART-A
Answer ALL questions
Each question carries 3 marks.

1 Explain the working of JK Flip flop using a diagram.

2 Discuss STACK with an example.

3   Explain the operational varactor diode FM modulator.

PART-B
Answer ALL questions
Each question carries 8 marks

4. (a). Distinguish between synchronous and Asynchronous counters.

   (b). Explain the operation of decade counter.

5. (a). Draw the architecture of 8085 microprocessor and explain.

   (b). Explain the Addressing modes of 8085 with suitable examples.

M.Sc. Zoology IInd Year Distance Education

Paper-V: - Structure and functions of Invertebrates and Comparative Anatomy of Vertebrates

Section-A

Answers any one of the following   1x5=5m

1. Species concept
2. Larval forms of Invertebrates.

Section-B

Answers any Two of the following   10x2=20m

3. Give a detailed the Origin of Chordata and give the classification of Vertebrata.
4. Explain in detail the vertebrate integument and its derivatives.
5. Enumerate the Strategies and evolutionary significance of larval forms.
6. Give in detail the structure and function of respiratory organs in Invertebrates.

M.Sc. Zoology IInd Year Distance Education
Paper-VI:- Population Ecology and Animal Behavior

Max marks: 25

Section-A

Answers any one of the following

1x5=5m

1. Write about Positive interactions in a Population
2. Give the classification of behavioral patterns and Analysis of behavior.

Section-B

Answers any Two of the following   10x2=20m

3. Write an essay on Population Antagonistic relationships
4. What is Demography? Explain with examples.
5. How Nervous system and Hormonal system control the Behavior of animals.
6. Enumerate Ecological aspects of behavior in selection of habitat and food.

M.Sc. Zoology IInd Year Distance Education
Paper- VII:-Ichthyology and aquaculture

Section-A

Answers any one of the following   1x5=5m

1. Give an account of living   and their classification up to orders.
2. Describe the excretory system in fishes.

Section-B

Answers any Two of the following   10x2=20m

3. Describe the preparation and fish forms management.
4. Describe in detail the methods involved in integrated fish forming
5. What are the nutritional requirements of fish and how they are formulated explain?
6. Enumerate the methods involved in Crab culture.

M.Sc. Zoology IInd Year Distance Education
Paper-VIII:-Medical and Vertebrate Parasitology

Max marks: 25m

Section-A

Answers any one of the following   1x5=5m

1. Echinococcus.
2. Write about theory of Infection and its control.

Section-B

Answers any Two of the following   10x2=20m

3. Describe Parasitism of Microspora in fishes.
4. Give morphology life cycle and phathofenisity of Schistomes.
5. Define Zoonosis and give its classification.
6. What is infection explain in detail and give the control measures.

PAPER-I: CRYPTOGRAPHY AND NETWORK SECURITY

PART – A

Answer any one of the following   **1 X 5 = 5**
1. Explain Services, mechanisms and attacks?
2. Write Euclid's algorithm?

PART –

Answer any two of the following   **2 X 10 = 20**
3. Explain MD5 message digest algorithm?
4. Write short note on
   a. Digital signatures
   b. Authentication protocols
5. Explain the following terms
   a. Trusted systems
   b. Key management

PAPER-II: ADVANCED DATABASE MANAGEMENT SYSTEM

PART – A

Answer any one of the following   **1 X 5 = 5**
1. Explain the JDBC classes and Interfaces?
2. Write a short note on OLAP?

PART – B

Answer any two of the following   **2 X 10 = 20**
3. Write a brief note on
   a. Triggers
   b. Queries
   c. Active databases
4. Explain the database design for an ORDBMS?
5. Explain the architecture of parallel databases and distributed databases?
6. Explain concurrence control technoques?

PAPER-III: WEB TECHNOLOGIES

PART – A

Answer any one of the following   **1 X 5 = 5**
1. Describe multi-threading?
2. What is a servlet? Explain the POST and GET requests?

PART – B

Answer any two of the following   **2 X 10 = 20**
3. Explain RMI with suitable example program?
4. Write a java program to read a file on a web server?
5. What is java Bean? Explain the java beans with suitable example program?

PAPER-IV: UNIX NETWORK PROGRAMMING
PART – A

Answer any one of the following   **1 X 5 = 5**
1. Explain the different types of UNIX commands?
2. Write a short note on Vi-Editor?

PART – B

Answer any two of the following   **2 X 10 = 20**
3. How does the behavior of the passwd command changes when invoked by the super uesr?
4. Explain the advanced TLI Functions?
5. Compare the TCP/IP with XNS and NetBIOS protocols?
6. Explain a) Message Queues   b) Semaphores c) Socket and TLI?

PAPER-V: ARTIFICIAL INTELLIGENCE
PART – A

Answer any one of the following   **1 X 5 = 5**
1. What is AI? Write the importance of AI?
2. Explain uniform and blind search?

PART – B

Answer any two of the following   **2 X 10 = 20**
3. Describe non-deductive interface methods?
4. Write dempster shafer theory?
5. Write about search and control strategies?
6. Describe the architecture of Expert systems?

PAPER-VI: SOFTWARE ENGINEERING
PART – A

Answer any one of the following   **1 X 5 = 5**
1. Write about software myths?
2. Write the golden rules for interface design?

PART – B

Answer any two of the following   **2 X 10 = 20**
3. Explain the personal and team process models?
4. Describe system engineering in detail?
5. What is a component? Explain the class based component level design?
6. What is a quality management? Write the formal approaches to SQA?

Paper VI – NATURAL RESOURCES MANAGEMENT

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1) Give an account of the problems of soil erosion and land degradation in India.

2) Write a note on carrying capacity of soils.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3) Examine the trends in land use pattern in India.

4) Explain the need for sustainable use of Common Property Resources.

5) Analysis the challenges in the use of water resources.

6) Discuss the strategies for sustainable use of water for irrigation in India.

Paper VII – HUMAN RESOURCES DEVELOPMENT AND MANAGEMENT

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1) Give an account of the concept of Human Resource Development.

2) Write a note on the significance of Human Development Index.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3) Discuss the efforts and achievements in Human Capital Formation in India.

4) Explain the Components and measurement of HDI.

5) Analyse the factors influencing the HDI.

6) Discuss the role of FTCs and KVKs in promoting HRD in agriculture.

Paper VIII – RURAL CREDIT AND MARKETING

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1) Explain the causes and consequences of rural indebtedness.

2) Discuss the concept of Micro Finance.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3) Discuss the nature and significance of rural credit in India.

4) Explain the role of RBI and NABARD in rural credit.

5) Examine the role of Micro finance in poverty reduction and women empowerment.

6) Explain the process of self – help promotion and the precautions to be taken while forming SHGs.

Paper IX – RURAL DEVELOPMENT PLANNING AND MANAGEMENT

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1) Explain the importance of planning for rural development in India.

2) Discuss the components of the Project Cycle.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3) Discuss the ZOPP and PCM methods for project planning.

4) Explain the steps in Project Identification.

5) Describe the procedure for formation of NGOs in India.

6) Examine the role of NGOs in rural development in India.

Paper X – PROJECT WORK

Max Marks : 25

Section – A

Answer any ONE of the following in minimum 40 lines   1 x 5 = 5

1) Explain the concept of research design.

2) Discuss the importance of formulation of Hypothesis.

Section – B

Answer any TWO of the following in minimum 60 lines   2 x 10 = 20

3) Discuss the tools for data collection.

4) Explain the different types of Sampling.

5) Describe the steps in the formulation of a research problem.

6) Examine the different sources of data for social research.