

बरकतउल्ला विश्वविद्यालय,भोपाल
Barkatullah University, Bhopal



पीएच.डी. प्रवेश परीक्षा हेतु पाठ्यक्रम
Syllabus of Ph.D. Entrance Examination

(Other Faculty)

**Management, Law, Home Science, Commerce,
Education, Yogic Science, Physical Edu.**

Session 2012-13

प्रकाशक
कुलसचिव
बरकतउल्ला विश्वविद्यालय,भोपाल

2012&13

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BARKATULLAH UNIVERSITY, BHOPAL
SYLLABUS FOR ENTRANCE TEST FOR PH.D. IN
MANAGEMENT
SUBJECT : MANAGEMENT

Max. Marks : 100

Note : There will be 100 objective type of questions Minimum Passing Marks will be 40. No negative marking.

1. Fundamentals of Management:-

Management- Overview, Functions, Nature and Significance; Evolution of Management Thought – Taylor, Fayol, Elton Mayo, FC Bernard, Likert and Webber (Theories of Management); Recent Trends and Future Challenges of Management. Planning – Concept, Importance, Types and Process.

Strategic Management – Overview and Process; MBO, Organizing - Principles, Structure, Process, Importance. Directing and Controlling – Motivation, Morale and Productivity, Leadership, Communication.

2. Marketing Management:-

Nature and scope of Marketing, The Marketing Environment and Environment Scanning. Marketing information system and Marketing research, Understanding Consumer and Industrial markets, Market segmentation, Targeting and positioning.

Product decisions, Product mix, product life cycles, new product development, branding and packaging decisions, Pricing Methods and strategies. Channel management-selection. New issues in marketing- Globalization, Consumerism, Green Marketing, Legal issues.

3. Financial Management:-

Aims and Objectives of Financial Management; Financial Analysis and Control. Investment and Capital Structure Decisions, Instruments of Long Term Finance. Optimum Capital Structure. Basics Concept of – Budget

Budgetary Control. Methods of Capital Budgeting. Management of Working Capital. Dividend Policy.

4. Human Resource Management:-

Concepts and Perspectives on Human Resource Management; Human Resource Management in a changing Environment; Human Resource Planning. Career and Succession Planning; Job Analysis and Job Description.

Induction; Manpower Training and Development. Performance Appraisal; Job Evaluation & Wage Determination, Employee Welfare; Industrial Relations & Trade Unions; Dispute Resolution & Grievance Management.

5. Business Policy, Strategic Management & Production Management:

Business Policy as a field of Study: General Management Point of View; Vision; Mission, Objectives and Policies, SWOT Analysis; Tools and Techniques for Strategic Analysis; Impact Matrix; Industry Analysis; Concept of Value Chain; Framework for Analysing Competition Advantage of a firm.

Nature and Scope of Production Location; Types of Manufacturing Systems & Layouts; Material Handling – Principles Production Planning and Control. Capacity Planning – Models; Process Planning, Aggregate Planning Scheduling, An Overview of Material Management, Material Planning and Inventory Control. Industrial Safety; Total Quality Management.

**BARKATULLAH UNIVERSITY, BHOPAL
SYLLABUS OF Ph.D. ENTRANCE EXAM- 2012**

SUBJECT : LAW

PAPER (objective type)

Maximum Marks: 100

No. of Question: 100

Question to be attempt 100

Mini Marks : 40

Note :- There will be 100 objective type of questions Minimum Passing Marks will be 40. No negative marking.

The question will be asked on the following subjects:

- 01 LAW AND SOCIAL TRANSFORMATION IN INDIA.
- 02 INDIAN CONSTITUTIONAL LAW: THE NEW CHALLENGES.
- 03 JUDICIAL PROCESS.
- 04 LEGAL EDUCATION AND RESEARCH METHODOLOGY.

Note:

1. There will be no negative marking
2. Each question will have four options
3. The Candidate will require to darken completely the correct option in OMR Answer sheet.

BARKATULLAH UNIVERSITY, BHOPAL
SYLLABUS FOR Ph.D. ENTRANCE TEST- 2012

SUBJECT : LAW
(COMPULSORY COURSES OF LL.M)

01 LAW AND SOCIAL TRANSFORMATION IN INDIA.

Objectives of the course

This course is designed to offer the teacher and the taught with –

(a) Awareness of Indian approaches to social and economic problems in the context of law as a means of social control and change; And

(b) a spirit of inquiry to explore and exploit law and legal institutions as a means to achieve development within the framework of law. The endeavour is to make the students aware of the

role the law has played and has to play in the contemporary Indian society

The following syllabus prepared with this perspective will be spread over a period of one semester

Syllabus

1. Law and social change

1.1. Law as an instrument of social change.

1.2. Law as the product of traditions and culture. Criticism and evaluation in the light of colonization and the introduction of common law system and institutions in India and its impact on further development of law and legal institutions in India.

2. Religion and the law

2.1. Religion as a divisive factor.

2.2. Secularism as a solution to the problem.

2.3. Reform of the law on secular lines: Problems.

2.4. Freedom of religion and non-discrimination on the basis of religion.

2.5. Religious minorities and the law.

3. Language and the law

3.1. Language as a divisive factor: formation of linguistic states.

3.2. Constitutional guarantees to linguistic minorities.

3.3. Language policy and the Constitution: Official language; multi-language system.

3.4. Non-discrimination on the ground of language.

4. Community and the law

4.1. Caste as a divisive factor

4.2. Non-discrimination on the ground of caste.

4.3. Acceptance of caste as a factor to undo past injustices.

4.4. Protective discrimination: Scheduled castes, tribes and backward classes.

4.5. Reservation; Statutory Commissions., Statutory provisions.

5. Regionalism and the law

5.1. Regionalism as a divisive factor.

5.2. Concept of India as one unit.

5.3. Right of movement, residence and business; impermissibility of state or regional barriers.

5.4. Equality in matters of employment: the slogan "Sons of the soil" and its practice.

5.5. Admission to educational institutions: preference to residents of a state.

6. Women and the law

6.1. Crimes against women.

6.2. Gender injustice and its various forms.

6.3. Women's Commission.

6.4. Empowerment of women: Constitutional and other legal provisions

7. Children and the law

7.1. Child labour.

7.2. Sexual exploitation.

7.3. Adoption and related problems.

7.4. Children and education.

8. Modernisation and the law

8.1. Modernisation as a value: Constitutional perspectives reflected in the fundamental duties.

8.2. Modernisation of social institutions through law.

8.2.1. Reform of family law

8.2.2. Agrarian reform - Industrialisation of agriculture.

8.2.3. Industrial reform: Free enterprise v. State regulation - Industrialisation v. Environmental protection.

8.3. Reform of court processes.

8.3.1. Criminal law: Plea bargaining; compounding and payment of compensation to victims.

8.3.2. Civil law: (ADR) Confrontation v. consensus; mediation and conciliation; Lok adalats.

8.3.3. Prison reforms.

8.4. Democratic decentralisation and local self-government.

9. Alternative approaches to law

9.1. The jurisprudence of Sarvodaya- Gandhiji, Vinoba Bhave; Jayaprakash Narayan

---Surrender of dacoits; concept of grama nyayalayas.

9.2. Socialist thought on law and justice: An enquiry through constitutional debates on the right to property.

9.3. Indian Marxist critique of law and justice.

9.4. Naxalite movement: causes and cure.

002 INDIAN CONSTITUTIONAL LAW: THE NEW CHALLENGES.

Objectives of the Course

The Constitution, a living document, is said to be always in the making. The judicial process of constitutional interpretation involves a technique of adapting the law to meet changing social mores.

Constitution being the fundamental law, an insight into its new trends is essential for a meaningful understanding of the legal system and processes. The post graduate students in law who had the basic knowledge of Indian Constitutional Law at LL.B level, should be exposed to the new challenges and perspectives of constitutional development while they are allowed to choose an area of law for specialisation. Obviously, rubrics under this paper require modification and updating from time to time.

The following syllabus prepared with this perspective will be spread over a period of one semester.

Syllabus

1. Federalism

1.1. Creation of new states

1.2. Allocation and share of resources - distribution of grants in aid

1.2.1. The inter-state disputes on resources

1.3. Rehabilitation of internally displaced persons.

1.4. Centre's responsibility and internal disturbance within States.

1.5. Directions of the Centre to the State under Article 356 and 365

1.6. Federal Comity : Relationship of trust and faith between Centre and State.

1.7. Special status of certain States.

1.7.1. Tribal Areas, Scheduled Areas

2. "State" : Need for widening the definition in the wake of liberalisation.

3. Right to equality: privatisation and its impact on affirmative action.

4. Empowerment of women.

5. Freedom of press and challenges of new scientific development

5.1. Freedom of speech and right to broadcast and telecast.

5.2. Right to strikes, hartal and bandh.

6. Emerging regime of new rights and remedies

6.1. Reading Directive Principles and Fundamental Duties into Fundamental Rights 6.11. Compensation jurisprudence

- 6. 1.2. Right to education
 - 6.1.2.1. Commercialization of education and its impact.
 - 6.1.2.2. Brain drain by foreign education market.
- 7. Right of minorities to establish and administer educational institutions and state control.
- 8. Secularism and religious fanaticism.

- 9. Separation of powers: stresses and strain
 - 9.1. Judicial activism and judicial restraint.
 - 9.2. PIL: implementation.
 - 9.3. Judicial independence.
 - 9.3.1. Appointment, transfer and removal of judges.
 - 9.4. Accountability: executive and judiciary.
 - 9.5. Tribunals

- 10. Democratic process
 - 10.1. Nexus of politics with criminals and the business.
 - 10.2. Election
 - 10.3. Election commission: status.
 - 10.4. Electoral Reforms
 - 10.5. Coalition government, 'stability, durability, corrupt practice'
 - 10.6. Grass root democracy.
- Select bibliography

03 JUDICIAL PROCESS

Objectives of the course

A lawyer, whether academic or professional, is expected to be competent to analyse and evaluate the legal process from a broader juristic perspective. Hence a compulsory paper on Judicial

Process is essential in the LL.M curriculum. The objective of this paper is to study the nature of judicial process as an instrument of social ordering. It is intended to highlight the role of court as policy maker, participant in the power process and as an instrument of social change. This paper further intends to expose the intricacies of judicial creativity and the judicial tools and techniques

Employed in the process. Since the ultimate aim of any legal process or system is pursuit of justice, a systematic study of the concept of justice and its various theoretical foundations is required. This paper, therefore, intends to familiarise the students with various theories, different aspects and alternative ways, of attaining justice.

The following syllabus prepared with the above perspective will spread over a period of one semester

Syllabus

1. Nature of judicial process
 - 1.1. Judicial process as an instrument of social ordering
 - 1.2. Judicial process and creativity in law - common law model - Legal Reasoning and growth of law - change and stability.
 - 1.3. The tools and techniques of judicial creativity and precedent.
 - 1.4. Legal development and creativity through legal reasoning under statutory and codified systems.
2. Special Dimensions of Judicial Process in Constitutional Adjudications.
 - 2.1. Notions of judicial review
 - 2.2. 'Role' in constitutional adjudication - various theories of judicial role.
 - 2.3. Tools and techniques in policy-making and creativity in constitutional adjudication.
 - 2.4. Varieties of judicial and juristic activism
 - 2.5. Problems of accountability and judicial law-making.
3. Judicial Process in India
 - 3.1. Indian debate on the role of judges and on the notion of judicial review.
 - 3.2. The "independence" of judiciary and the "political" nature of judicial process
 - 3.3. Judicial activism and creativity of the Supreme Court - the tools and techniques of creativity.
 - 3.4. Judicial process in pursuit of constitutional goals and values - new dimensions of judicial activism and structural challenges
 - 3.5. Institutional liability of courts and judicial activism - scope and limits.
4. The Concepts of Justice
 - 4.1. The concept of justice or Dharma in Indian thought
 - 4.2. Dharma as the foundation of legal ordering in Indian thought.
 - 4.3. The concept and various theories of justice in the western thought.
 - 4.4. Various theoretical bases of justice: the liberal contractual tradition, the liberal utilitarian tradition and the liberal moral tradition.
5. Relation between Law and Justice
 - 5.1. Equivalence Theories - Justice as nothing more than the positive law of the stronger class
 - 5.2. Dependency theories - For its realisation justice depends on law, but justice is not the same as law.
 - 5.3. The independence of justice theories - means to end relationship of law and justice - The relationship in the context of the Indian constitutional ordering.
 - 5.4. Analysis of selected cases of the Supreme Court where the judicial process can be seen as influenced by theories of justice.

004 LEGAL EDUCATION AND RESEARCH METHODOLOGY

Objectives of the course

A post-graduate student of law should get an insight into the objectives of legal education. He should have an exposure to programmes like organisation of seminars, publication of law journals and holding of legal aid clinics.

Law is taught in different ways in different countries. The LL.M course, being intended also to produce lawyers with better competence and expertise, it is imperative that the student should familiarise himself with the different systems of legal education. The lecture method both at LL.B level and LL.M level has many demerits. The existing lacunae can be eliminated by following other

methods of learning such as case methods, problem method, discussion method, seminar method and a combination of all these methods. The student has to be exposed to these methods so as to develop his skills.

Growth of legal science in India depends on the nature and career of legal research. The syllabus is designed to develop also skills in research and writing in a systematic manner.

Syllabus

1. Objectives of Legal Education
2. Lecture Method of Teaching - Merits and demerits
3. The Problem Method
4. Discussion method and its suitability at postgraduate level teaching
5. The Seminar Method of teaching
6. Examination system and problems in evaluation - external and internal assessment.
7. Student participation in law school programmes - Organisation of Seminars, publication of journal and assessment of teachers
8. Clinical legal education - legal aid, legal literacy, legal survey and law reform
9. Research Methods
 - 9.1. Socio Legal Research
 - 9.2. Doctrinal and non-doctrinal
 - 9.3. Relevance of empirical research
 - 9.4. Induction and deduction
10. Identification of Problem of research
 - 10.1. What is a research problem?
 - 10.2. Survey of available literature and bibliographical research.

10.2.1. Legislative materials including subordinate legislation, notification and policy statements

10.2.2. Decisional materials including foreign decisions; methods of discovering the "rule of the case" tracing the history of important cases and ensuring that these have not been over-ruled; discovering judicial conflict in the area pertaining to the research Problem and the reasons thereof.

10.2.3. Juristic writings - a survey of juristic literature relevant to select problems in India and foreign periodicals.

10.2.4. Compilation of list of reports or special studies conducted relevant to the problem.

11. Preparation of the Research Design

11.1. Formulation of the Research problem

11.2. Devising tools and techniques for collection of data : Methodology

11.2.1. Methods for the collection of statutory and case materials and juristic literature

11.2.2. Use of historical and comparative research materials

11.2.3. Use of observation studies

11.2.4. Use of questionnaires/interview

11.2.5. Use of case studies

11.2.6. Sampling procedures - design of sample, types of sampling to be adopted.

11.2.7. Use of scaling techniques

11.2.8. Jurimetrics

11.3. Computerized Research - A study of legal research programmes such as Lexis and West law coding

11.4. Classification and tabulation of data - use of cards for data collection - Rules for tabulation. Explanation of tabulated data.

11.5. Analysis of data

No specific bibliography is suggested for this course since the course materials obviously depends upon the latest developments. These developments in the areas specified in the course can be gathered from the recent materials such as case law, changes and amendments of laws, critical comments, studies and reports, articles and research papers and lastly contemporary emerging ethos impacting on constitutional values

BARKATULLAH UNIVERSITY, BHOPAL

Doctoral Entrance Test (DET)

Subject : Home Science

Max. Marks : 100

Min. Marks : 40

Note :- There will be 100 objective type of questions Minimum Passing Marks will be 40. No negative marking.

I) Food & Nutrition.

- i) Micro & Macro nutrients :- Functions, Sources, Requirements and Effect of Deficiencies of carbohydrates, Proteins, Fats, Fat Soluble Vitamins & Water soluble Vitamins, Minerals.
- ii) Therapeutic Nutrition:- Basic concepts of Diet Therapy, Diet counseling, Role of Dietitian in Diet Counseling.
- iii) Community Nutrition:- Methods of Assessment of Nutritional status, assessment of patients need based on the patients data.
- iv) Food Preservation, food Adulteration, National & International agencies NIN, ICMR, ICAR,WHO, UNICEF.

II) Human Development:-

- i) Principles of Child development, stages of growth and development, Child rearing practices, Parent Child relationship.
- ii) Early childhood care & Education:- Behavioral problems Physically & mentally retarded children ,Children with special needs
- iii) Counseling:- Techniques of counseling, Agencies working for welfare of women & children.

III) Textile & clothing:-

- i) Dyeing, Printing & finishing of fibers yarns & fabrics.
- ii) Consumer and Textiles clothing.
- iii) Laundry- Methods of washing clothes- Hand washing, Machine washing, Dry cleaning, Reagents used in laundry.
- iv) Modern Development in yarn, textured yarn technology

IV) Resource Management:-

- i) Management of Resources- Time, Energy, Money.
- ii) Work simplification:- Importance & Techniques formal & Informal techniques.
- iii) Consumer education: Laws protecting consumer and consumer behavior
- iv) Landscaping ,Interior and exterior decoration

IV) Extension Education:-

- i) Methods of Extension Education :- Individual contact method, group contact method and mass contact method.
- ii) Extension and development programmes:- Integrated rural Development programmes (IRDP) Integrated child development services (ICDS) Training of Rural youth for self Employment (TERYSEM) Development of women & Children in Rural Areas (DWCRA), National RURAL Health Mission (NRHM)
- iii) Communication:- Importance, process, media of communication Mass Communication
- iv) Media systems ,Trends and techniques, Advertising

BARKATULLAH UNIVERSITY, BHOPAL, M.P.

Ph.D./M.Phil. Entrance Test Syllabus for Commerce effective from Session 2012-2013

Note : Ph.D./M.Phil. Entrance test syllabus for Applied Economics and Business Management Board and Commerce Board, under the faculty of Commerce from the Session 2012-13

**Examination Scheme: Objective Type 100 Questions of One Marks Each.
Passing marks is forty. No negative marks.**

Max Marks: 100

Min Marks: 40

Note:

- 1. Paper setter should cover the entire syllabus.**
- 2. There is no negative marking.**

101- Management Concepts izcU/k dh vo/kkj.kk,a

Particulars

•	Introduction: - Concepts of Management, Scope and Nature of Management, Approaches to management, Human Relation, Behavioral and System approach. परिचय – प्रबन्ध की अवधारणा, क्षेत्र एवं प्रबंध की प्रकृति, प्रबन्ध का दृष्टिकोण, मानवीय संबंध व्यावहारिक एवं प्रणाली दृष्टिकोण ।
•	Planning: Concepts of Planning, Objectives and components of planning, Nature and Process of Planning, determination of Objective. Management by Objectives, Management by Exception, Concepts, Nature and Process of decision-making. Theories of decision-making. नियोजन – नियोजन की अवधारणा, नियोजन के उद्देश्य एवं घटक, नियोजन की प्रकृति एवं प्रक्रिया उद्देश्यों का निर्धारण, उद्देश्यों निहित प्रबंध, अपवाद निहित प्रबंध, निर्णयन की आवधारणा प्रकृति एवं प्रक्रिया, निर्णयन के सिद्धांत A

•	<p>Organization: Concept, objectives and element of organization, process and principal of organization, Organization Structure and Charts, Span of Management, Delegation of Authority, Centralization and Decentralization.</p> <p>संगठन : संगठन की अवधारण, उद्देश्य एवं तत्व, संगठन के प्रक्रिया एवं सिद्धांत, संगठन संरचना एवं चार्ट, प्रबंध का विस्तार अधिकारों का भारार्पण केन्द्रीयकरण एवं विकेन्द्रीयकरण ।</p>
•	<p>Direction: Concept, Nature, Scope, Principles and Techniques of Direction. Communication: Concepts, Process channel and Media of Communication Barriers to effective communication, Building effective communication system.</p> <p>निर्देशन : निर्देशन की अवधारणा, प्रकृति, क्षेत्र, निर्देशन के सिद्धांत एवं तकनीक । सम्प्रेषण की बाधायें, प्रभावी सम्प्रेषण पद्धति का निर्माण ।</p>
•	<p>Control: Concept, Objectives, nature and process of control, levels and areas of control, Various control techniques. Z-Theory of Management. Management Education in India: Objectives, Present position and difficulties.</p> <p>नियंत्रण : नियंत्रण की अवधारणा, उद्देश्य, प्रकृति एवं प्रक्रिया । नियंत्रण के स्तर एवं क्षेत्र, नियंत्रण की विभिन्न तकनीक, प्रबंध का जेड- सिद्धांत । भारत में प्रबंध शिक्षा : उद्देश्य वर्तमान स्थिति एवं कठिनाइयां ।</p>

Suggested References:

- T.N. Chabra – Principles & Practices of Management, Dhanpat Rai & Co.
- L.M. Prasad – Management Process, Sultan chand New Delhi.
- Koontz & Weihrich – Essentials of Management, Tata McGraw Hill.
- Rajesh Viswanathan, Principles & Management, Himaliy Publicity House.
- डॉ. सुधा जी – प्रबंध अवधारणा व संगठनात्मक व्यवहार आर.बी.डी. पब्लिकेशन, जयपुर
- शाह व तांतेड़ – प्रबंधकीय अवधारणा
- अग्रवाल आर.सी. – प्रबंध अवधारणाएं एवं संगठनात्मक व्यवहार साहित्य भवन पब्लिसर्स, आगरा
- सक्सेना एस.सी. – प्रबंध के सिद्धांत – साहित्य भवन पब्लिकेशन, आगरा
- शर्मा एवं सुराणा – प्रबंध के सिद्धांत एवं व्यवहार – रमेश बुक डिपो, जयपुर

102- Business Environment

व्यावसायिक पर्यावरण

Particulars

<ul style="list-style-type: none"> • 	<p>Theoretical Framework of Business Environment: Concept, Significance and nature of business Environment: Elements of environment – Internal and External, changing dimensions of business environment. Liberalization, privatization and Globalization.</p> <p>व्यवसायिक पर्यावरण की सैद्धांतिक संरचना : व्यावसायिक पर्यावरण, अवधारणा, महत्व एवं प्रकृति। पर्यावरण के तत्व— आन्तरिक एवं बाह्य, व्यवसाय पर्यावरण के परिवर्तनशील आयाम उदारीकरण, निजीकरण एवं वैश्वीकरण ।</p>
<ul style="list-style-type: none"> • 	<p>Economic Environment of Business: Significance and elements of economic Environment, economic systems and business environment, economic planning in India, Government Policies- Industrial policy, licensing policy, fiscal policy, monetary policy and EXIM Policy.</p> <p>व्यवसाय का आर्थिक पर्यावरण : आर्थिक पर्यावरण का महत्व एवं तत्व, आर्थिक प्रणालियां एवं व्यवसाय पर्यावरण, भारत में आर्थिक नियोजन। सरकारी नीतियां – औद्योगिक नीति, अनुज्ञापत्र नीति, प्रशुल्क नीति, मौद्रिक नीति एवं आयात-निर्यात (एक्विजिट) नीति</p>
<ul style="list-style-type: none"> • 	<p>Political and Legal Environment of Business : Monopoly and Restrictive Trade Practices (MRTP) Act, Foreign Exchange Management Act (FEMA), Consumer Protection Act, Patent Laws.</p> <p>व्यवसाय का राजनैतिक एवं वैधानिक पर्यावरण : एकाधिकार एवं प्रतिबंधात्मक व्यापार व्यवहार अधिनियम (एमआरटीपीए) विदेशी विनिमय प्रबंध अधिनियम (फेमा), उपभोक्ता संरक्षण अधिनियम, पेटेंट कानून।</p>
<ul style="list-style-type: none"> • 	<p>Socio, Cultural & International Environment: Social responsibility of business, Characteristics, Components, Scope, relationship between society and business, socio-cultural</p>

	<p>business Environment, Social Groups, World Trade Organization (WTO), International Monetary Fund (IMF), Foreign Investment in India.</p> <p>सामाजिक, सांस्कृतिक एवं अन्तर्राष्ट्रीय पर्यावरण : व्यवसाय का सामाजिक दायित्व समाज एवं व्यवसाय के लक्षण, तत्व, क्षेत्र एवं दोनों के संबंध । सामाजिक – सांस्कृतिक व्यावसायिक पर्यावरण – सामाजिक समूह, विश्व व्यापार संगठन (डब्ल्यूटीओ), अन्तर्राष्ट्रीय मौद्रिक कोष (आईएमएफ) भारत में विदेशी विनियम ।</p>
•	<p>Technological Environment: Concept, Online Channels, Online Services, Advantage of Online services, E-Commerce, Indian conditions of E-Commerce, Electronic Banking, Franchise Business.</p> <p>तकनीकी पर्यावरण – अवधारणा, ऑन लाईन चैनल्स ऑन लाईन सेवाएँ, ऑन लाईन सेवाओं के लाभ। इलेक्ट्रॉनिक कॉमर्स, भारतीय दशाओं में इलेक्ट्रॉनिक बैंकिंग, फ्रेंचाइजी व्यवसाय।</p>

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- जैन. डॉ. जिनेन्द्र कुमार – व्यावसायिक पर्यावरण [मध्य प्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल
- उपाध्याय, शर्मा एवं पी. दयाल – व्यावसायिक वातावरण – रमेश बुक डिपो जयपुर
- नौलखा एवं तिवारी – व्यावसायिक नियमन रूपरेखा – विजय बुक डिपो जयपुर

103- Advanced Accounting

उच्चतर लेखांकन

Particulars

•	Advanced problems of Final Accounts vfaarae ys[ks ds mPprj iz'u
•	Advanced Problems of Bank Reconciliation Statement, Rectification of Errors, Accounting for Non Profit Organization. बैंक समाधान विवरण के उन्नत प्रश्न, त्रुटियों का सुधार, गैर लाभ संगठनों का लेखांकन
•	Accounting from Incomplete Records, Accounting for Insurance Claim. अपूर्ण अभिलेखों से लेखांकन, बीमा दावों का लेखांकन
•	पदअमेजउमदज ।ध्वए पदेवसअमदबल ।ध्वए विनियोग खाते, दिवालिया खाते
•	Dissolution of partnership firm including sales of firm an amalgamation. साझेदारी फर्म का विघटन, फर्म के विक्रय एवं एकीकरण सहित

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- Sehgal, Ashok & Deepak, Sehgal: Financial Accounting: Taxmann Publishers.
- Banerjee, Financial Accounting : A Dynamic Approach PHI Learning.
- चतुर्वेदी सी.एल. एडवांस एकाउन्टेन्सी – श्री महावीर बुक डिपों पब्लिशर्स नई सडक दिल्ली ।
- शुक्ल डॉ. एस.एस. – वित्तीय लेखांकन – साहित्य भवन पब्लिशर, आगरा
- जैन. खण्डेवाल एवं पारीक – उच्चतर लेखांकन, रमेश बुक डिपों, जयपुर

104- Cost Analysis And Control

लागत विश्लेषण एवं नियंत्रण

Particulars

•	Various cost concepts, Cost centre and cost unit, Methods and techniques of Costing. Installation of costing system, Methods of inventory control. Overheads Accounting. विभिन्न लागत अवधारणाएं, लागत केन्द्र एवं इकाई लागत, लागत की पद्धतियां एवं तकनीक, लागत पद्धति की स्थापना, सामग्री नियंत्रण की विधियां, उपरिव्यय लेखांकन।
•	Process Accounting Joint product and Bye product, Equivalent Production and Inter Process Profit, Operating Cost. प्रक्रिया लेखांकन, संयुक्त उत्पाद एवं उपोत्पाद, समोत्पादन एवं अंतःप्रक्रिया लाभ, परिचालन लागत ।
•	Marginal Costing: Concepts, Break Even Analysis, Uniform Costing and Inter firm comparison. Use of Managerial Costing in Business Decision. सीमान्त लागत: अवधारणा, समविच्छेद विश्लेषण, एकीकृत लागत, एवं अंतःतुलना, व्यावसायिक निर्णयन में प्रबंधकीय लागत का प्रयोग
•	Budgetary Control: Basic concepts, preparation of functional Budget: Cost Audit : Objective and Advantages. नियोजन बजटरी नियंत्रण : मूल अवधारणायें, कियात्माक बजट की तैयारी, लागत अंकेक्षण : उद्देश्य एवं लाभ ।
•	Standard Costing and Variance Analysis. मानक लागत एवं विचरण विश्लेषण

Suggested References:

- Arora, M N: Cost Accounting: Vikas Publication, New Delhi.
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- Nigam & Jain, Cost Accounting Principle and preface PHI learning.
- जैन. अग्रवाल एवं गुप्ता, लागत विश्लेषण एवं नियंत्रण – साहित्य भवन पब्लिकेशन, आगरा
- ओसवाल, माहेश्वरी, मोदी गुप्ता – उच्चतर लागत लेखांकन – रमेश बुक डिपो जयपुर
- नारंग, मित्तल – लागत लेखांकन – कल्याणी पब्लिशर्स नई दिल्ली
- माहेश्वरी एवं मित्तल – लागत लेखांकन – महावरी प्रकाशन, दिल्ली

201- Corporate Legal Framework

निगमीय विधिक संरचना

Particulars

•	<p>The Companies Act, 1956 (Relevant Provisions) : Definition, Types of companies, Memorandum of association, Articles of association, Prospectus, Share capital and Membership, Meetings and Resolutions, Company Management, Managerial Remuneration, Winding up and dissolution of companies.</p> <p>भारतीय कम्पनी अधिनियम 1956 (संबंधित प्रावधान) : परिभाषा, कम्पनियों के प्रकार, पार्षद सीमा नियम, पार्षद अर्न्तनियम, प्रविवरण, अंश पूंजी एवं सदस्यता, सभाएं एवं प्रस्ताव, कम्पनी प्रबंध, प्रबंधकीय पारिश्रमिक, कम्पनियों का परिसमापन एवं विघटन।</p>
•	<p>The Negotiable Instruments Act, 1881 : Definitions, Types of Negotiable instruments, Negotiation Holder and holder in due course, Payment in due course; Endorsement and Crossing of cheque; Presentation of negotiable instruments.</p> <p>परकाम्य विलेख अधिनियम, 1881 – परिभाषा, परकाम्य विलेखों के प्रकार, परकाम्य धारक और यथाविधिधारक, यथाविधि भुगतान : चेक का रेखांकन एवं पृष्ठांकन, परकाम्य विलेखों का प्रस्तुतीकरण ।</p>
•	<p>M RTP Act 1969 : Monopolistic trade practices; Restrictive trade Practices; Unfair trade practices.</p> <p>,काधिकार प्रतिबंधात्मक व्यापार व्यवहार अधिनियम 1969: एकाधिकारात्मक व्यापार, प्रतिबंधात्मक व्यापार व्यवहार, अनुचित व्यापार व्यवहार।</p>
•	<p>The Consumer Protection Act, 1986 : salient features; Definition of Consumer, Right of consumer; Grievance Redressal Machinery.</p> <p>उपभोक्ता संरक्षण अधिनियम, 1986 : विशिष्ट लक्षण, उपभोक्ता की परिभाषा, उपभोक्ता के अधिकार, शिकायत निवारण तंत्र (मशीनरी)</p>
•	<p>Regulatory Environment for International Business : FEMA, WTO; Regulatory Framework of WTO, basic principles and its character, WTO provisions relating to preferential treatment of developing countries; regional groupings, technical standard, anti-dumping duties and other Non Tariff Barriers. Custom valuation and dispute settlement, TRIP and TRIMS</p> <p>अंतर्राष्ट्रीय व्यापार के लिए पर्यावरण नियामक : विदेशी विनिमय प्रबंध अधिनियम (फेमा), विश्व व्यापार संगठन (वर्ल्ड ट्रेड ऑर्गेनाइजेशन) : विश्व व्यापार संगठन की नियामक संरचना,</p>

	<p>आधारभूत सिद्धांत और इसके लक्षण, विश्व व्यापार संगठन में विकासशील देशों के लिए अधिमान्यता संबंधी व्यवहार के प्रावधान, क्षेत्रीय समूहीकरण, तकनीकी प्रमाप, भंडारण प्रतिरोधी प्रभार और अन्य गैर प्रशुल्क संबंधी अवरोध। सीमा शुल्क मूल्यांकन और विवादों का निपटान, बौद्धिक संपदा संबंधी व्यापार अधिकार, (जुट्टे)विनियोग संबंधी व्यापार व्यवहार (जुट्टे)</p>
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- N.D. Kapoor Elements of merchandise law : sultanchand, New Delhi.
- Chawla & Garg & Sareen : Business law, Kalyani Publishers, Ludhiana.
- Chandra & Book Business law PHI Learning.
- नौलखा आर.एल. निगयीय विधि व्याख्या, रमेश बुक डिपो जयपुर
- शुक्ल एवं सहाय निगमित विधि व्यवस्था – साहित्य भवन पब्लिकेशन, आगरा
- जैन पी.सी. उद्यमिता विकास कैलाश पुस्तक सदन, भोपाल
- अग्रवाल एवं कोठारी – भारतीय कम्पनी अधिनियम – साहित्य भवन पब्लिकेशन, आगरा

202- Organizational Behavior

संगठनात्मक व्यवहार

Particulars

•	Organization: Concept, Types and Significance, organizational Goal and its determinants, Organizational Behaviour: Concept, nature and Significance, Organizational Behaviour models. संगठन – अवधारणा, प्रकार व महत्व, संगठनात्मक लक्ष्य एवं उसके निर्धारक । संगठनात्मक व्यवहार: अवधारणा, प्रकृति और महत्व, संगठनात्मक व्यवहार अभिकल्प ।
•	Personality: Concept, Theories, determinants and Importance, Perception: Concept, process and Theories, learning: Concept, components, affecting factors and theories व्यक्तित्व : अवधारणा विभिन्न सिद्धांत, निर्धारक एवं महत्व। दृष्टिकोण: अवधारणा प्रक्रिया एवं विभिन्न सिद्धांत। सीखना : अवधारणा, तत्व, प्रभावित करने वाले घटक और सिद्धांत ।
•	Motivation: Meaning, types and important elements, theories of motivation, Attitude and values: Concept, factors , Significance and Theories अभिप्रेरण : अर्थ, प्रकार, और महत्वपूर्ण तत्व, अभिप्रेरण के विभिन्न सिद्धांत। मूल्य एवं व्यवहार : अवधारणा, घटक, महत्व और विभिन्न सिद्धांत।
•	Interpersonal behaviour: Nature, transactional analysis, concept of groups, theories of group formation, group cohesiveness, power and authority अंतर्व्यक्ति व्यवहार : प्रकृति, अंतर्क्रियात्मक विश्लेषण, समूह की अवधारणा, समूह निर्माण के सिद्धांत, समान समूह शक्ति और अधिकार।
•	Organizational Conflicts: Causes and suggestions, developing sound organizational climate, management of change, concept and process of organizational climate. संगठनात्मक विरोध : कारण और सुझाव, स्वस्थ संगठनात्मक वातावरण का विकास, परिवर्तन का प्रबंध, संगठनात्मक विकास की अवधारणा और प्रक्रिया ।

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- Sudha, G S - Organizational behavior – Ramesh Book Depo Jaipur
- Sandeep, Sareen - Organizational behavior
- Aswathappa A.K. – organizational behaviour Himalaya Publishing House, Mumbai.
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- सुधा जी एस. मिश्रा श्यारे एवं पाण्डेय – संगठनात्मक व्यवहार, रमेश बुक डिपो, जयपुर
- जैन पी.सी. – संगठनात्मक व्यवहार, रमेश बुक डिपो जयपुर

203- Advanced Statistical Analysis

उच्चतर सांख्यिकीय विश्लेषण

Particulars

•	Theory of probability- Probability Distributions, Binomial, Poisson and Normal distributions. प्रायिकता के सिद्धांत – प्रायिकता वितरण, द्विपद, पॉयसन एवं सामान्य वितरण ।
•	Theory of sampling and testing Significance न्यादर्श के सिद्धांत और सार्थकता की जांच
•	Analysis of variance (Including one way and two way classifications), Chi-square test. विचरण विश्लेषण (एकांगी और द्विमांगी वर्गीकरण के साथ), काई वर्ग परीक्षण ।
•	Interpolation and extrapolation, Association of attributes. आन्तरगणन एवं बाह्यगणन, गुण संबन्ध
•	Regression analysis, statistical Decision Tree: Decision under risk and uncertainty, Decision tree analysis. प्रतीपगमन विश्लेषण, सांख्यिकीय निर्णय सिद्धांत – जोखिम और अनिश्चितता की स्थिति में निर्णय, निर्णय वृक्ष विश्लेषण ।

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- Gupta S P- Statistical Methods, Sultan Chand & sons, New delhi.
- Gupta .B.N.- Advanced Statistical Analysis
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- शुक्ल एस. एम. सहाय एस.पी. – सांख्यिकीय विश्लेषण –साहित्य भवन पब्लिकेशन, आगरा
- राजपुरोहित, माहेश्वरी, शर्मा – व्यावसायिक सांख्यिकी – रमेश बुक डिपो पब्लिशर्स, जयपुर
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- गुप्ता वी.एन. – सांख्यिकीय विश्लेषण –साहित्य भवन पब्लिकेशन, आगरा

204- Functional management
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Particulars

•	<p>Financial Management: Concept, Nature and objectives, functions of financial Manager, Financial Planning: Nature, need and influencing factors, characteristics of a sound financial plan.</p> <p>वित्तीय प्रबंध : अवधारणा, प्रकृति एवं उद्देश्य, वित्तीय प्रबंधक के कार्य, वित्तीय नियोजन – प्रकृति आवश्यकता और प्रभावित करने वाले घटक, स्वस्थ वित्तीय योजना के लक्षण ।</p>
•	<p>Capitalization: Concept and Theories, over and under capitalization, Capital Structure, balanced Capital Structure, trading on equity, Leverage: Financial And Operating leverage.</p> <p>पूंजीकरण : अवधारणा एवं विविध सिद्धांत, अति और अल्प पूंजीकरण, पूंजी संरचना, संतुलित पूंजी संरचना, समता पर व्यापार, दंतीकरण (लीवरेज) : वित्तीय एवं परिचालन संबंधी दंतीकरण (लीवरेज)</p>
•	<p>Marketing Management: Concept, Nature and objectives, Scope of Marketing, functions of Marketing Management, Marketing Mix. Advertisement Management: Meaning, Objectives , Functions and Scope, Media of advertisement, Selecting and advertisement media, Essentials of a good advertisement copy, Meaning of sales promotion, Importance , limitations and methods of sales promotion.</p> <p>विपणन प्रबंध : विपणन की अवधारणा, प्रकृति और क्षेत्र, विपणन प्रबंध के कार्य, विपणन मिश्रण विज्ञापन प्रबंध – उद्देश्य, कार्य और क्षेत्र, विपणन के माध्यम, एक विज्ञापन माध्यम का चुनाव, अच्छी विज्ञापन प्रति की आवश्यकताएं, विक्रय प्रवर्तन का अर्थ, महत्व, सीमाएं और विक्रय प्रवर्तन की विधियां ।</p>
•	<p>Personnel management: Concept, Functions, Scope and Importance, Significance of Man-power Planning, sources of recruitment, Characteristics of a good recruitment policy, concept of Selection: Selection procedure, Importance of employee training, Methods of training.</p> <p>कार्मिक प्रबंध की अवधारणा : अवधारणा, कार्य, क्षेत्र और महत्व, मानव शक्ति नियोजन का महत्व, भर्ती के स्रोत, अच्छी भर्ती नीति के लक्षण । चयन की अवधारणा, चयन प्रविधि, कर्मचारी प्रशिक्षण का महत्व, प्रशिक्षण की विधियां ।</p>

•	<p>Production Management: Concept, Functions, Scope and Importance. Types of production system, concept of production planning, objective elements and steps, procedure of production control, process of new product development, Concept of product diversification, Standardization, Simplification and Specialization.</p> <p>उत्पादन प्रबंध : अवधारणा, महत्व क्षेत्र, और कार्य, उत्पादन प्रणाली के प्रकार। उत्पादन नियोजन की अवधारणा, उद्देश्य तत्व और चरण, उत्पादन नियंत्रण प्रविधि, नव उत्पाद विकास प्रक्रिया, उत्पाद विविधीकरण, प्रमापीकरण, सरलीकरण और विशिष्टीकरण की अवधारणा।</p>
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Suggested References:

- Putti, J.M. : Management Functional Approach.
- Khanka, S.S. : Entrepreneurial development, S.Chand , New Delhi.
- Motihar M : Functional Management.
- जैन. डॉ. जिनेन्द्र कुमार – विपणन प्रबंध, मध्य प्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल।
- जैन. जे.के. – कार्यात्मक प्रबंध, प्रतीक प्रकाशन इलाहाबाद।
- पोरवाल एवं सुधार – उत्पादन प्रबंध – रमेश बुक डिपो, जयपुर
- मामोरिया एवं दशोरा – सेविवर्गीय प्रबंध – साहित्य भवन पब्लिकेशन, आगरा
- शर्मा एवं सुराना – सेविवर्गीय प्रबंध – रमेश बुक डिपो, जयपुर
- सक्सेना एस.सी. – सेविवर्गीय प्रबंध – साहित्य भवन पब्लिकेशन, आगरा
- अग्रवाल एवं अग्रवाल – वित्तीय प्रबंध – रमेश बुक डिपो, जयपुर
- गुप्ता एस.पी. वित्तीय प्रबंध – साहित्य भवन पब्लिकेशन, आगरा
- भदादा बी.एम. एवं पोरवाल – विपणन प्रबंध – रमेश बुक डिपो, जयपुर
- नौलखा आर.एल. – विपणन के सिद्धांत – रमेश बुक डिपो, जयपुर
- अग्रवाल एवं कोठारी – विपणन के सिद्धांत – साहित्य भवन पब्लिकेशन, आगरा
- कुलश्रेष्ठ डॉ. आर.एस. वित्तीय प्रबंध – साहित्य भवन पब्लिकेशन, आगरा

301- Managerial Economics izcU/kdh; vFkZ'kkL=

Particulars

•	Meaning of Managerial Economics: Nature and Scope of Managerial Economics, Managerial Economist: Role and Responsibilities, fundamental economist concept, Profit maximization theory. प्रबंधकीय अर्थशास्त्र का आशय: प्रबंधकीय अर्थशास्त्र की प्रकृति, क्षेत्र, प्रबंधकीय अर्थशास्त्री : भूमिका एवं उत्तरदायित्व, आधारभूत आर्थिक अवधारणा। लाभ अधिकतमीकरण सिद्धांत
•	Demand analysis: Elasticity of Demand, Introduction explanatory theory of consumer choice, indifference approach, Revealed preference theory. मांग विश्लेषण : मांग की लोच— परिचयात्मक विवेचन । ग्राहक पसन्दगी की सिद्धांत, उदासीनता विश्लेषण, अधिमान प्रकटीकरण सिद्धांत
•	Production Function: Law of variable proportions, Law of return to scale. उत्पादन फलन : परिवर्तनशील अनुपात नियम, पैमाने के प्रतिफल का नियम
•	Business Cycles: Nature and Phases, Theories of Business Cycles. व्यापार चक्र : प्रकृति एवं चरण, व्यवसाय चक्र के सिद्धांत
•	Profit Management: Measurement of profit, concept of risk and uncertainty. लाभ प्रबंध : लाभ का मापन, जोखिम एवं अनिश्चितता की अवधारणा

Suggested References:

- Chopra, O.P- Managerial Economics, Tata McGraw Hills, Delhi.
- Dwivedi D.N. - Managerial Economics, Vikas Publication, New Delhi.
- Jhingam M.L., Staphen J.K. Managerial Economics, Varunda Pub. Pvt. Ltd. Delhi.
- MOTE, Paul & Gupta : Managerial Economics : Concepts & Cases , Tata McGraw Hill, New Delhi.
- D.M. Mithani Manageral Economic Himaliya Publishing House Bombay.
- सिंह प्रो. आर.एन., शर्मा डॉ. के.एन., चौधरी सी.एम., प्रबंधकीय अर्थशास्त्र – रमेश बुक डिपो, जयपुर।
- डॉ. शर्मा एवं डॉ.के. केजरीवाल, प्रबंधकीय अर्थशास्त्र, साहित्य भवन पब्लिकेशन, आगरा।
- जैन जिनेन्द्र कुमार – व्यावसायिक अर्थशास्त्र म.प्र. हिन्दी ग्रन्थ अकादमी, भोपाल।
- सिन्हा एवं पाठक – प्रबन्धकीय अर्थशास्त्र – साहित्य भवन पब्लिशर्स एवं डिस्ट्रीब्यूटर, आगरा

302- Tax Planning and Management

कर नियोजन एवं प्रबन्ध

Particulars

<ul style="list-style-type: none"> • 	Concept of Tax Planning: Concept, Nature and objectives, Scope of tax planning. कर नियोजन की अवधारणा – अर्थ, क्षेत्र, महत्व, कर नियोजन के उद्देश्य, एवं क्षेत्र
<ul style="list-style-type: none"> • 	Areas of tax planning: Ownership aspect, Activity aspect & locational Aspect, nature of business & tax planning. कर नियोजन के क्षेत्र – स्वामित्व पहलू, क्रियाशीलता पहलू, स्थानीयकरण पहलू, व्यवसाय की प्रकृति एवं कर नियोजन
<ul style="list-style-type: none"> • 	Tax planning & setting up new business: Deductions available to new industrial undertakings, Amalgamation, Merger & tax planning. Special tax provisions relating to free trade Zones, Infrastructure & backward areas नये व्यवसाय की स्थापना एवं कर नियोजन – नई औद्योगिक इकाईयों को प्राप्त छूटे, एकीकरण, सविययन एवं कर नियोजन विशेष कर प्रावधान मुक्त व्यापार क्षेत्र संरचनात्मक क्षेत्र एवं पिछड़े क्षेत्र संबंधी कर प्रावधान ।
<ul style="list-style-type: none"> • 	Tax planning & financial decisions: Capital Structure decisions, Dividend, Inter-corporate Dividend, Bonus Shares. कर नियोजन एवं वित्तीय निर्णयन : पूंजी संरचना निर्णय, लाभांश, अर्न्तकम्पनी लाभांश, बोनस अंश
<ul style="list-style-type: none"> • 	Tax Assessment: Introduction, difference between tax planning and tax management, Return of income and assessment, Penalties & prosecutions, Appeals & Revisions. कर निर्धारण : परिचय, कर नियोजन एवं कर प्रबंध में अंतर, कर प्रबंध के क्षेत्र, आय का विवरण एवं कर निर्धारण, अर्थदण्ड एवं अभियोग, अपील एवं पुनर्विचार।

Suggested References:

- Mehrotra, S. & Goyal S.P. - Tax Planning and Management, Sahitya Bhawan Publication Agra.
- Lakhotia - Tax Planning and Management
- DATEY, V.S. – Tax Planning & Management.,
- Corporate Tax Planning, Sangina Vinod, Taxman Publication New Dehli.
- सकलेचा श्रीपाल – निगयीय कर नियोजन एवं प्रबंध – सतीश प्रिंटर्स एवं पब्लिशर्स इन्दौर
- मेहरोत्रा एच.सी. – कर नियोजन एवं प्रबंध – साहित्य भवन पब्लिकेशन, आगरा
- शर्मा एवं शर्मा – कराधान एवं कर आयोजन – रमेश बुक डिपो, जयपुर

303- Entrepreneurship Skill development

उद्यमिता कौशल विकास

Particulars

•	Entrepreneur: Definition, emergence of Entrepreneurial classes: Theories of Entrepreneurship, Socio-economic environment and Entrepreneur उद्यमी – परिभाषा, उद्यम वर्ग का उदभव, उद्यमिता के सिद्धांत सामाजिक – आर्थिक परिवेश एवं उद्यमी ।
•	Promotion of a venture: Opportunity analysis, external environmental forces, economic, social, technological and competitive factors, establishment of a new unit. साहसी (उद्यमी) के लिए प्रवर्तन – अवसर विश्लेषण, बाह्य पर्यावरणीय शक्तियां, आर्थिक, सामाजिक, तकनीकी एवं प्रतियोगितात्मक कारक, एक नई इकाई की स्थापना ।
•	Entrepreneurial Behaviour: Innovation and Entrepreneurship, Entrepreneurial behavior, Social responsibility. उद्यमी व्यवहार : नवाचार एवं उद्यमिता, उद्यमी व्यवहार? सामाजिक उत्तरदायित्व ।
•	Entrepreneurial development programme: Entrepreneurial development, Programme relevance and achievements, role of government in organizing such programmes. उद्यमिता विकास कार्यक्रम : उद्यमिता विकास कार्यक्रम की प्रासंगिकता एवं उपलब्धियां इन कार्यक्रमों के आयोजन में सरकार की भूमिका
•	Entrepreneurship and industrial development: Planning and growth of industrial activities through industrial policies of the government, role of industrial estates, role of central and state level promotional services. क्रियाओं का नियोजन एवं विकास, औद्योगिक परिक्षेत्रों की भूमिका केन्द्र एवं राज्य स्तरीय प्रोत्साहन सेवायें ।

Suggested References:

- Shukla M.B. - Entrepreneurship development
- Khanka S.S. : Entrepreneurship Development.
- Sudha G.S. : Fundamentals of Entrepreneurship.
- जैन, डॉ. जिनेन्द्र कुमार, उद्यमिता-विकास, म.प्र. हिन्दी ग्रन्थ अकादमी, भोपाल ।
- सुधा जी.एस. – व्यावसायिक उद्यमिता – रमेश बुक डिपो जयपुर
- जैन एवं शर्मा – उद्यमिता कौशल विकास – रमेश बुक डिपो जयपुर

304- Accounting for Managerial Decisions

प्रबन्धकीय निर्णयन के लिए लेखांकन

Particulars

•	Management Accounting: Meaning, Nature and importance. Difference of Management Accounting with Cost Accounting and Financial Accounting. प्रबंधकीय लेखांकन : अर्थ, प्रकृति एवं महत्व, प्रबंधकीय लेखांकन, लागत लेखांकन एवं वित्तीय लेखांकन में अंतर
•	Nature and limitations of Financial Statements: Need and objectives of financial analysis. वित्तीय विवरणों की प्रकृति एवं सीमाएँ : वित्तीय विश्लेषण की आवश्यकता एवं उद्देश्य ।
•	Fund Flow Analysis & Cash Flow Analysis: (Application of AS-3) कोष प्रवाह विश्लेषण एवं रोक प्रवाह विश्लेषण (पैण.3 का प्रयोग)
•	Capital Budgeting: Nature and characteristics of long term investment decisions, Method of ranking investment proposals पूंजी बजटन : दीर्घकालीन निवेश निर्णयों की प्रकृति एवं विशेषताएं, निवेश प्रस्तावों की श्रेणीयन की विधि ।
•	Management Reporting system: Types of Reports, Responsibility Accounting. प्रबंध प्रतिवेदन पद्धति : प्रतिवेदन के प्रकार, उत्तरदायित्व लेखांकन ।

Suggested References:

- Agarwal & Agarwal – Accounting for Managers.
- Shrinivasan & Murugan : Accounting for management, S. Chand , New Delhi.
- Khan & Jain : Management Accounting.
- Sharma & Gupta : Management Accounting, Kalyani Publishers, Ludiana.
- Bhatiya Ruchi, Accounting for Managers, Himaliya Publisher house, Mumbai
- अग्रवाल वी.पी. मेहता वी.के. – प्रबंधकीय निर्णयों हेतु लेखांकन – साहित्य भवन पब्लिशर्स एवं डिस्ट्रीब्यूटर प्रा० लि० आगरा
- गुप्ता एस.पी. – प्रबंधकीय लेखांकन – साहित्य भवन पब्लिशर्स एवं डिस्ट्रीब्यूटर प्रा० लि० आगरा
- अग्रवाल जे.के. अग्रवाल आर.के. एवं शर्मा – प्रबंधकीय निर्णय लेखांकन – रमेश बुक डिपो, जयपुर

BARKATULLAH UNIVERSITY, BHOPAL

Entrance Test For Doctor of Philosophy in Education and Master of Philosophy in Education

SUBJECT : EDUCATION

Eligibility - As per the revised ordinance No. 14 & 20 of University.

Design of question paper and syllabus.

The entrance test shall comprise multiple choice objective type question paper having 100 questions of one mark each. The questions will be from four basic papers of M.Ed./ M.A. Education to assess the fundamental knowledge of the candidate. The duration of paper will be of three hours. Minimum passing will be 40. There will be no negative marking.

Papers and Syllabus from which questions will be asked.

Sl. No.	Name of the Papers	No. of Questions	Marks
1	Philosophical and Sociological Foundation of Education	25	25
2	Psychological Foundation of Education	25	25
3	Educational Research & Statistics	25	25
4	Educational Technology	25	25
	Total	100	100

PAPER-I
PHILOSOPHICAL & SOCIOLOGICAL FOUNDATION OF
EDUCATION

Marks :

25

OBJECTIVES :-

- 1- To enable the students to understand the contribution of philosophy of education.
- 2- To acquaint the students with the different philosophical schools.
- 3- To develop adequate familiarity with social structure, class and caste.
- 4- To help students to make a critical analysis of philosophical and sociological foundation of education.
- 5- To help students to know impact of religion, culture and society on education.

UNIT-I Philosophy and Education.

- Concept and nature of Philosophy.
- Concept and nature of Education.
- Relationship between education and philosophy.

UNIT-II Dimension of Philosophy in Relation to Education.

- Metaphysical problem and education related to nature, man and society.
- Epistemology in relation to education.
- Axiology in relation to education.

UNIT-III Schools of Educational Thoughts and Thinkers.

- Comparative study of idealism, naturalism and pragmatism in relation to concept of knowledge and reality (aim, content and methods of education).
- Western educational thinkers Plato, Rousseau and John Dewey.
- Indian educational thinkers Gandhi, Vivekananda and Tagore.

UNIT-IV Sociological Foundation of Education.

- Concept and nature of sociology of education.
- Meaning and nature of social change and constraints on social change in India.

UNIT-V Issues in Sociology of Education.

- Education and Modernization.
- Education and religion and culture.
- Education and democracy.

Suggested Reading :-

- 1- Anand C.L., et. al., -Teacher and Education in Emerging India, NCERT, New Delhi.
- 2- Choube S.P.- Great Indian Educational Philosophies, Vinod Pustak Mandir, Dr., Rangey Raghaw Marg., Agra.
- 3- Choube S.P.- Western Educational Philosophers, Vinod Pustak Mandir, Dr. Rangey Raghwa Marg., Agra.
- 4- Choube S.P. and Akhilesh Choube -Philosophical and Sociological Foundation of Education, Vinod Pustak Mandir, Dr. Rangey Raghaw Marg., Agra.
- 5- Mohanty Jagannath – Indian Education in Emerging Society, Sterling Publication, New Delhi.
- 6- Swaroop N.R. and Saxena – Philosophical and Sociological Foundation of Education.
- 7- Agrawal, J.C. (1999). Theory and Principles of Education, New Delhi : Vikas Publishing House Pvt. Ltd.
- 8- Brubacher, J.S. (1969). Modern Philosophies of Education. Bombay: Tata-Mcgraw Hill.
- 9- चौबे सरयू प्रसाद एवं चौबे अखिलेश—भारत हेतु शिक्षा दर्शन, दिल्ली मयूर पेपर बैक्स ।
- 10- माथुर एस.एस.—शिक्षा के दार्शनिक तथा सामाजिक आधार, विनोद पुस्तक मन्दिर, आगरा ।

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PAPER-II
PSYCHOLOGICAL FOUNDATION OF EDUCATION

Marks :

25

OBJECTIVES :-

- 1- To enable the students to understand psychology as a scientific discipline and its applications to Education.
- 2- To enable the students to understand the nature of development and to appreciate the common characteristics, needs and behavioral problem of children and adolescents at successive stages of development.
- 3- To acquaint the students about the nature and concept of motivation and learners.

UNIT-I Psychology and Education.

- Concept, Scope of educational psychology Western and Indian views.
- Relevance of educational psychology to learners, teachers and teaching learning process.
- Methods of studying behaviour of learners (observation experimental and case study).

UNIT-II Growth and Development.

- Principles and stages of growth, development and maturation.
- Factors affecting growth and development.
- Socio-Emotional development (Erickson)
- Moral development (Piaget and Kohlberg)

UNIT-III Cognition, Intelligence and Creativity.

- Cognitive development- Piaget theory and its educational implication.
- Intelligence- Meaning, theories with reference to multiple intelligences.
 - SI Model/ (Guilford) emotional intelligence (Goleman) and their educational implication.
 - Measurement of intelligence.
- Creativity- Concept, Stages, identification, fostering with special reference to Guilford and Torrance.

UNIT-IV Motivation and Learning.

- Significance and concept of motivation in education.
- Theories of motivation with special reference to self actualization (Maslow) and achievement motivation (Atkinson).
- Learning theories behaviorist (Pavlov and Skinner), Learning by insight (Hull and Tollman).

UNIT-V Personality Development.

- Personality: concept, factors affecting development. Western and Indigenous views.
- Theories of personality with special reference to trait approach, type, theories and psycho-analytic theory and their educational implication.
- Assessment of personality : objective, subjective, projective and psychometric.

Suggested Reading :-

- 1- Bhatia, H.R.–Elements of Educational Psychology, Orient Langman Ltd. Bombay.
- 2- Chouhan, S.S.- Advance Educational Psychology, Vikas Publishing House, New Delhi.
- 3- Chouhan S.S.- Psychology and Adolescence, Allied Publisher, New Delhi.
- 4- Gulati Sushma- Education for Creativity, NCERT, 1995.
- 5- Hurlock E.B.- Adolescent Development, Mc. Graw Hill, New York.
- 6- James O. Whittaker- Introduction to Psychology, W.B. Saunders Comp., Tronoto.
- 7- Kulshreshtha S.P.- Educational Psychology.
- 8- Mangal S.K.- Psychological Education, Prakash Brother.
- 9- Mathur S.S.- Shiksha Manovigyan, Lyall Book Depot, Meerut .
- 10- Srivastava G.N.P.- Recent Trends in Educational Psychology, Psycho, Cell, Agra.
- 11- Tripathi S.N.- Prathiba Aur Srijantma Mcmillan Co., Bombay.
- 12- Singh Y.K. & Ruchika Nath- Teaching of Psychology.
- 13- Singh Y.K. & Ruchika Nath- Psychology in Education.
- 14- Whittaker- Introduction to Psycho.

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PAPER-III
EDUCATIONAL RESEARCH AND STATISTICS

Marks :

25

OBJECTIVES:-

To enable the students to:-

- 1- understand the meaning of scientific method, scientific inquiry, paradigm, theory and their implication for educational research.
- 2- understand the characteristics of philosophical, psychological and sociological researches in education.
- 3- develop the ability and competence of students to plan and execute research and apply its findings in educational practices.
- 4- understand the methodology of various type of researches.
- 5- understand the type of analysis and interpretation.
- 6- To acquaint students with statistical method and processor.

UNIT-I Overview of Educational Research.

- Meaning, significance and scope of educational research.
- Research process : quantitative, qualitative and steps in research.
- Areas and sources of educational research.

Types of Educational Research.

- Basic/ fundamental applied & action research.
- Approaches of educational research.
- Types of research : Descriptive, Historical, Survey, Ethnographical.

UNIT-II Research Problem and Research Report.

- Identification of problem, source of identification, aims and objectives of educational research.
- Research proposal/ synopsis and format of research report.
- Hypothesis, variables.

UNIT-III Hypothesis, Sampling, Tool.

- Hypothesis- Concept, difference with assumption, sources, various types and formulation of hypothesis and testing of hypothesis.

- Sample - Concept of sample, universe, population, types and techniques.
- Tools-
- Characteristics of good tool.
- Types of research, research tool and techniques and their uses
- Types of tool- Questionnaire, Interview, Observation, Case Study, attitude and Scale, Projective and socio-metric techniques.
- Data Collection.

UNIT-IV Research Design.

- Research design : single, control and factorial research design, experimental design.
- Qualitative design (case study, ethnography study.)
- Quantitative design.

UNIT-V Statistics in Education.

- Measures of central tendency (Mean, Median, Mode).
- Measures of variability (standard deviation).
- Percentile- percentile ranks.
- Test of significance ('t' test, chi-square).
- Correlation- rank order, product movement.

Suggested Reading :-

- 1- Bhatnagar- Reading in Methodology of Research in Education.
- 2- Carter V. Good- Methods in Research, Appleton Century Crafts, Inc. Douglas E. Scates.
- 3- F.J. MC Guigan- Experimental Psychology (A Methodological Approach) Prentice Hall of India Pvt. Ltd., New Delhi
- 4- Kothari C.R.- Research Methodology Methods and Techniques, Wileg. Eastern Ltd.
- 5- Leon Festinger- Research Methods in the Behaviour Sciences. Daniel Latz.
- 6- Mishra B.K. & Saxena N.R.- Fundamentals of Educational Research.
- 7- Sharma R.A.- Essential of Measurement in Education and Psychology.
- 8- कपिल एच.के.—अनुसंधान विधियाँ (व्यवहारपरक) हर प्रसाद भार्गव, आगरा।
- 9- भार्गव महेश, लाभ सिंह एवं प्रसाद द्वारका—मनोविज्ञान एवं शैक्षिक सांख्यिकी के मूल आधार।
- 10- श्रीवास्तव रामजी — सामाजिक विज्ञानों में सांख्यिकी विधियाँ, मोतीलाल बनारसीदास आसीय आलम।

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PAPER-IV

EDUCATIONAL TECHNOLOGY

Marks : 25

OBJECTIVES:-

On completion of this course, the students will be able to :

- 1- replicate the nature, scope and significance of educational technology in total scheme of education
- 2- apply the expertise gained in tackling the problems of Indian education.
- 3- understand the systems approach to education and communication theories and modes of communication.
- 4- describe various teaching strategies, models and theories of teaching.
- 5- know the instructional design and modes of development of self learning material.
- 6- develop the ability for critical appraisal of the audio-visual media.
- 7- develop basic skills in the production of different types of instructional material.
- 8- know the recent innovations and future perspectives of education technology.

UNIT-I Nature and Scope.

- Educational technology – concept, nature, scope and significance of educational technology. Application of educational technology in Indian classroom.
- Forms of educational technology: teaching technology, instructional technology and behaviour technology.
- Approaches of educational technology: hardware and software.
- Major institutions of educational technology in India- CIET, EMMRC (AVRC, EMRC and MCRC), IGNOU, SIET, consortium for educational communication (CEC).

UNIT-II Systems Approach to Education and Communication.

- Systems approach to education and its components: Goal setting, task analysis.
- Content analysis, context analysis and evaluation strategies.
- Effectiveness of communication in instructional system, concepts, process, principles, components, modes and barriers of communication. Basic model of communication- sender-message-receiver.
- Mass media, current status of mass media in education. Teacher's role in using mass media.

- Personalised system of instruction, programmed instruction (linear and branching model), computer assisted instruction, brainstorming and auto tutorial instruction- their characteristics, advantages and limitations.

UNIT-III Instructional Design, Strategies and Models of Teaching.

- Instructional design: concept, views, process and stages of development of instructional design.
- 3 designing of instructional strategies, such as lecture team teaching, discussion, panel discussion, seminars & tutorials.
- Concept of teaching strategies- difference between teaching strategies and teaching tactics. Classification of teaching strategies.
- Nature and use of teaching models. Types of teaching models- inquiry training model, aptitude treatment interaction model, behavioural model, their nature, characteristics, merits and limitations.
- Flander's interaction analysis, simulation.

UNIT-IV Audio Visual Media in Education.

- Audio-Visual media- meaning, importance and various forms.
- Audio/Radio : Broadcast and audio recordings- strengths and limitations criteria for selection of instructional units, script writing, pre-production, post-production, process and practices, use of RCCP in teaching, role of AIR/Gyanvani, audio conferencing and interactive radio conference.
- Video/educational television: Telecast and video recordings- strengths and limitations, use of television and CCTV in instruction and training, teleconferencing, video conferencing, SITE experiment, countrywide class room project and satellite based instructions, gyandarshan and SIET programmes.
- Use of animation films for the development of children's imagination.
- Technological aids-teaching machines, computers and laboratories and audio-visual appliances-their nature, characteristics, advantages and limitations.

UNIT-V New Horizons of Educational Technology.

- Recent innovations in the area of ET interactive video- Hypertext, video- texts, optical fiber technology- laser disc, computer conferencing etc.
- Procedure and organization of teleconferencing/interactive video- experiences of institutions, open schools and open universities.
- Recent experiments in the third world countries and pointers for India with reference to education.
- Recent trends of research in educational technology and its future with reference to education.
- Future priorities in educational technology.

Suggested Reading :-

- 1- Behera, S.C. (1991)- Educational Television Programmes, Deep and Deep Publications, New Delhi.
- 2- Coburn, P. and et. Al (1985)- Practical Guide to Computers in Education, Addison- Wesley Publishing Company, Inc.
- 3- Das, R.C. (1993)- Educational Technology- A Basic Text, Sterling Publishers Pvt. Ltd.
- 4- Evaut, M. The International Encyclopaedia of Educational Technology.
- 5- Graeme, K. (1969)- Blackboard to computers: A Guide to Educational Aids, London, Ward Lock.
- 6- Hass, K.B. and Packer, H.Q. (1990)- Preparation and Use of Audio Visual Aids, 3rd Editions, Prentice Hall, Inc.
- 7- Kumar, K.L. (2008)_ Educational Technology, New Age International Pvt. Ltd. Publishers, New Delhi (Second Revised Edition).
- 8- Mukhopadhyay, M. (1990)- Educational Technology- Callenging Issues, Sterling Publishers Pvt. Ltd., New Delhi.
- 9- Sampath et. Al (1981)- Introduction to Educational Technology, Sterling Publishers Pvt. Ltd.
- 10- Sharma. B.M. (1994)- Media and Education, New Delhi: Commonwealth.
- 11- Venkataiah, N. (1996)- Educational Technology, New Delhi: APH Publishing Corporation.
- 12- Ruhela S.P. (2001)- Some Aspects of Educational Technology.
- 13- Sharma R.A. : Programmed Instruction- An Instructional Technology, Loyal Bank Depot. Meerut (U.P.)
- 14- Sharma R.A. : Programme Instruction- An Instructional Technology, Goyal Book Depot., Meerut.

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BARKATULLAH UNIVERSITY, BHOPAL
Department of Yogic Science
Syllabus for Ph.D/M.Phil. Entrance Test
Subject : Yogic Science

Max. Marks : 100

Min. Marks : 40

Note :

- (i) Paper setter shall set 100 questions from the syllabus and each question shall carry one mark.
- (ii) Number of questions should be set equally from each unit (ten questions from each unit) of the prescribed syllabus.

UNIT - I Fundamental of Yogic Science

Origin & definitions of yoga. Scope of yoga, Personality of a yogi - its characteristics. Nature of yoga in Upnishads, Gita, Yoga Vashistha, Saddarshan & Ayurveda. Types of yoga - Rajyoga, Bhakti Yoga, Jnan Yoga, Karma Yoga, Astangyoga. Life Sketch & their contributions in the field of yoga Patanjali, Yajnavalkya, Gorakshnath, Swami Dayanand, Swami Vivekananda, Swami Kuvalayananda.

UNIT - II Yoga Sutra

Historical and compositional knowledge of Patanjali Yoga Sutras, Concept of Yoga; Chitta- its Bhumis and Vrittis, methods of Vritti control; Samadhi- concept and its types, God- its concept and need. Yogantrayas; Kriya Yoga, Principle of Karma, Astang Yoga, Panch Kleshas, Sanyama, Occult powers, Prakriti, Purusha & Kaivalya.

UNIT - III Principles of Hathyoga

Hathyoga- concept, definition, Proper place, time, season for Hathyogic practices, elements of success and failure in Hath yoga, Sign & symptoms of success in Hath yoga, Scope of Hath yoga in modern times. Basic knowledge of Hath yoga texts. Knowledge of Asanas, Shatkarmas, Pranayama, Mudra & Bandha, Pratyahara, Meditation & Samadhi as described in Hath pradipika & Gherand Samhita; Nadanusandhan,

Kundalini- its form & means of awakening, Nadis, Chakras & Koshas- their basic knowledge.

UNIT - IV Samkhya & Geeta

(A) Three types of miseries in accordance with Samkhya, means to overcoming them, origin of 25 elements, Satkaryavada, form of Gunas, Purusha, Prakriti. Eight major functions of Buddhi, Thirteen causative factors, eight occult powers, liberation.

(B) Geeta- Soul, Law of Karma, form of religion & Samnyas, means to achieve Brahm-Jnan, Abhyasa & Vairagya, Meditation, Elusion & Concept of God.

UNIT - V Human Anatomy & Physiology

(A) Basic knowledge of anatomical & physiological aspects of human skeletal, muscular, digestive, respiratory, cardio-vascular, excretory, endocrinal, sense organs & nervous systems and the effects of yogic practices on them.

UNIT - VI Human Consciousness

Consciousness- its meaning, concept, definition & its form. Need of study for Human consciousness, Present problems and their means of eradication, Consciousness in Vedas, Upanishads, Philosophy, Tantra, Astrology & Ayurveda. Consciousness in Western world and principle of Quantum, Consciousness- its attitude in modern psychology, different mysteries of Consciousness - birth & life & luck, purusharth, fruits of Karma, Sanskar & rebirth. Various methods of development of Human consciousness.

UNIT - VII Yoga & Health

Health- its concept & aims, Swasthvat Vigyan- meaning & aims, Yoga & Ayurveda based daily regime, night regime, seasonal regime, Sadvat and Achar Rasayan. Diet- its concept, definition, types, Balanced diet and its components, quantity, timing, Rules & regulations of diet based upon Hathyoga & Swara Yoga, Indicated and contraindicated dietary articles for a yoga practitioner.

UNIT - VIII Naturopathy

Naturopathy- its concept, history & basic principles. Principles, technique & benefits of Mud therapy, water therapy, Air therapy, Diet therapy, Sun rays therapy, fasting therapy, Massage therapy.

UNIT - IX Yogic & Alternative therapies

(A) Concept of Health & disease, Principles of Yogic therapy causes, sign & symptoms and yogic treatment of skeletal, digestive, respiratory cardio-vascular, endocrinal, nervous system & mental disorders, sense organs related problems.

(B) Alternative therapy - its concept, aims & objectives, types- Acupressure, Pranic healing, Magneto therapy, Swarayogic therapy.

UNIT - X Research Methodology

Research – Concept , meaning and types ; Literary

Research - Methods and resources ; Empirical research – Research Design , hypothesis , sampling , mean, median, mode and standard deviation ;

Variables – Dependent and Independent.

BARKATULLAH UNIVERSITY, BHOPAL
Syllabus for Ph D Entrance Exam 2012
Subject – Physical Education

Max. Marks : 100

Min. Marks : 40

Note : There will be 100 objective type of questions. Minimum Passing Marks will be 40. No negative marking.

UNIT-I

Research Methodology:

1. 1.1 Need and importance of Research in General and with special reference to Physical Education & Sports.
 1.2 Characteristics of Research and Research Worker.
 1.3 Classification of Research in relation to Nature, Methods and Nature of data.
2. 2.1 Formulation of Research Problem.
 2.2 Location and criteria of selecting a Research problem.
 2.3 Limitations and Delimitations.
3. 3.1 Reasons for surveying related literature.
 3.2 Allied and critical Literature
4. 4.1 Hypothesis.
 4.2 Significance of Hypothesis.
 4.3 Types of Hypothesis.
5. 5.1 Historical Research – Meaning, Historical sources and their Evaluation.
 5.2 Survey Studies – Tools of Survey and Case Studies.
 5.3 Philosophical Studies - Meaning, Steps in Critical Thinking
6. 6.1 Experimental Research.
 6.2 Meaning and Nature of Experimental Research.
 6.3 Sources of Experimental Invalidity
 6.3 Experimental Designs: Pre, True and Quasi Experimental designs.
7. 7.1 Research proposal.
 7.2 Research Report.

SYLLABUS FOR RESEARCH ELIGIBILITY TEST (PhD)

UNIT II

APPLIED STATISTICS

1. 1.1 Importance of Statistics in Physical Education and Sports.
1.2 Statistical processes and their application in Research.
2. 2.1 Probability – Meaning and methods of Computing probability.
2.2 Binomial Expansion and Computing probability for the obtained scores.
2.3 Problems on disc.
2.4 Properties of Normal Curve, problem on Normal curve.
2.5 Divergence from Normality – Skewness and Kurtosis.
2.6 Development of Norms in the form of Grading scales – Hull, Sigma, T and percentile scales.
3. 3.1 Sampling and Methods of Sampling.
3.2 Why Sample is preferred over population. Size of the sample.
4. Partial and Multiple Correlation, Regression Analysis.
5. 5.1 Estimation and concept of interval estimation.
5.2 Computing reliability limits of mean and standard deviation at 0.05 and 0.01 level of Significance.
5.3 Testing of Hypothesis – Null and Alternative Hypothesis.
5.4 Degree of Freedom.
5.5 Type I and Type II Errors.
5.6 One and Two Tailed Tests.
5.7 Level of Significance.
6. 6.1 Tests of significance – t test, z test and f Tests.
6.2 Basic concept of one way analysis of variance.
6.3 LSD and Scheffe's Tests.
6.4 Concept to Interaction

Note:- Question may also asked on calculation of statistical concept involved in the syllabus.

UNIT III

Compute Application and General awareness

1. Operating system
2. Block Diagram of Computers
3. Classification of Computers
4. Flow Chart
5. Application and System Program
6. Generation of Languages
7. I/O Devices memory

8. Concept to PC, main frame and Super Computers
9. Compilers, Interpreters and Assemblers
10. Basics of MS-OFFICE

MULTIPLE DISCRIMINANT TYPE QUESTIONS

SAMPLE:

PhD

Applied Statistics

NOTE: Pick up the most appropriate answer from the options and write in the block.
Any cutting or overwriting is not permitted.

☐

1. Stratified sampling is appropriate if the population units are:

☐

2. As the degree of freedom increases, the value of 't' required for significance:

☐

3. Correlation coefficient between arm length and height of 10 gymnasts was 0.6. If 6 is subtracted from all the 10 scores of arm length and 15 is added to all the 10 scores of height, the new correlation coefficient would be:

BLOCK: 1

Options:

- a. 1.00
- b. homogeneous
- c. decreases
- d. unaffected
- e. 0.6
- f. Clustered
- g. 0.00
- h. increases
- i. can't say
- j. systematically arranged
- k. heterogeneous
- l. 0.06

Important NOTE: In each paper (Research Methods, Applied Statistics and Computer Application) there will be 12 Blocks consisting of THREE questions in each block with 12 options, out of which only THREE options will be correct. You will be required to identify the correct answer and write in the block in front of the question. ONE Question will be descriptive in nature.

MULTIPLE DISCRIMINANT TYPE QUESTIONS

SAMPLE:

PhD

Research Methods.

NOTE: Pick up the most appropriate answer from the options and write in the block.
Any cutting or overwriting is not permitted.

BLOCK: 1

Options

- ☐ A. Suppose a School Principal wants to know the day when majority of students were absent. For this, he will calculate:
- ☐ B. In hypothesis testing, a researcher can commit Type I error or Type II error. Of these, the more dangerous is:
- ☐ C. The type of research which studies present status of variable is:
1. Experimental research
 2. Mean
 3. Type II Error
 4. Descriptive survey research
 5. Standard deviation
 6. Type I Error
 7. No option is appropriate
 8. Median
 9. Historical research
 10. Mode
 11. ex-post facto research
 12. Type I as well as Type II Error

Important NOTE: In each paper (Research Methods, Applied Statistics and Computer Application) there will be 12 Blocks consisting of THREE questions in each block with 12 options, out of which only THREE options will be correct. You will be required to identify the correct answer and write in the block in front of the question. ONE Question will be descriptive in nature.