REGULATIONS SPECIFIC TO

M.B.A. PROGRAMME

IN

UNIVERSITY DEPARTMENT OF MANAGEMENT SCIENCE



Dr. BabasahebAmbedkarMarathwada University, Aurangabad.

(With Effect from Academic Year 2016-17)

REGULATIONS
Specific to
M.B.A. Programme (Full Time)

1. ELIGIBILITY FOR ADMISSION:

Master of Business Administration

- a) Candidates shall have passed any Bachelor's degree examination from any recognized University with not less than 50% (45% for SC/ST category belonging to Maharashtra State only) in any discipline recognized by the Association of Indian Universities.
- b) The admissions will be on the basis of CAP (Centralized Admission Process) as

per

- norms laid down by DTE.
- c) A limited number of admissions are offered to Foreign Nationals and Indians Living Abroad in accordance with the rules applicable for such admission, issued from time to time.
- **d)** If, at any time after admission, it is found that candidate had not in fact fulfilled all the requirements stipulated in the offer of admission, in any form whatsoever, including possible misinformation etc., this matter shall be reported to the respective committee, recommending revoking the admission of the candidate.
- e) The institute reserves the right to cancel the admissions of any student and ask him to discontinue his studies at any stage of his career on the grounds of unsatisfactory academic performance, indiscipline or any misconduct.

2. DURATION

The duration of study shall be a minimum of 2 years and maximum of 4 years.

3. ADMISSION/PROMOTION CRITERIA

If candidate gets selected for UDMS MBA course through DTE admission process, he/she have to apply on the application form of the University provided with the prospectus. Once the candidate is admitted to the MBA course, the Student will be promoted to promoted to next semester with full carryon; subject to the registration of candidate in every consecutive semester. Dropout student will be allowed to register for respective semester as and when the concerned courses are offered by the Department, subject to the condition that his/her tenure should not exceed more than twice the duration of MBA course from the date of first registration at UDMS. The admission of respective student will automatically get cancelled if he/she fails to complete the course in maximum period. (Four years/Eight Semesters)

4. MEDIUM OF INSTRUCTION:

The medium of instruction shall be in English.

5. CREDITS AND DEGREES

- i. A candidate who has successfully completed all the Core courses, Elective courses and Project Work as prescribed for the MBA Programme and Service courses as approved by the University with prescribed CGPA shall be eligible to receive the degree.
- ii. One Credit shall mean one teaching period of one hour per week for one semester (of 15 weeks) for theory courses.

6. COURSES

The MBA programme comprises of

- i. Foundation Course: It may be of two kinds Compulsory Foundation Course for Knowledge Enhancement and Elective Foundation Course for value based education.
- ii. Core Course: A core course is course that a candidate admitted to particular P.G. programme must successfully complete to receive the degree.
- iii. Elective Course: Elective courses identified by the Departmental Committee of the department offering the programme. Means these courses given to the candidate as optional from which he/she have to opt for specialization.
- iv. Service Course: There shall be one/two service courses, one amongst the department of the School of Professional Studies and one amongst all university departments. The service courses will be offered in third and fourth semesters only.
- v. Each course shall include lectures/tutorials/laboratory work/field work/ seminar/practical training/assignments /mid-term and term end examinations/research paper/report writing or review of literature and any other innovative practice etc, to meet effective teaching and learning needs.
- vi. Each course shall have a unique alphanumerical code. For eg.

MANB402 Statistical Methods Here,

MAN means Management Science B means MBA course 402 means Subject Code

- vi. The departmental committee shall design the course structure including the detailed syllabus for this MBA programme offered by the department. The department committee shall have the freedom to introduce new courses and / or to modify / redesign existing courses and replace any existing course with a new course to facilitate better exposure and training for the candidates.
- vii. **Attendance:** A student must have 75% of mandatory attendance in each Course for appearing in the examination. In the event of Non-Compliance of Attendance criteria (75%), students will have to seek admission next year so as to complete the course. However Student having 65% attendances with medical certificate can apply to the H.O.D. for condonation of attendance.

7. REGISTRATION FOR SERVICE COURSE

- i. The student will register the service course of his interest either in III Semester or IV Semester in the concerned department on official registration form. The teacher in charge of the respective course will keep the record of the students registered. Maximum 15 days period will be given from the date of admission for completion of registration procedure. The departmental committee shall follow a selection procedure to avoid overcrowding to a particular course(s)
- ii. No student shall be permitted to register for more than one service course in a semester.
- **iii.** University shall prescribe the maximum number of students in each course taking into account the teachers and physical facilities available in the department.
- **iv.** The University may make available to all students a listing of all the courses offered in every semester specifying the credits, the prerequisites, a brief description or list of topics the course intends to cover, the instructor who is giving the courses, the time and place of the classes for the course. This information shall be made available on the University Website.

- **v.** Normally no service course shall be offered unless a minimum of 10 students are registered.
- **vi.** The Student shall have to pay the prescribed fee per course per semester/year for the registration as decided by the University.

8. DEPARTMENTAL COMMITTEE

As an autonomous department, MBA course is monitored by Departmental Committee. The Committee consists of H.O.D. (Director) as Chairman and some/all Respective Faculty of the Department as its members..

9. GRIEVANCE REDRESSAL SCHEME

The University shall form a Grievance Redressal Committee for this course in UDMS with the course teacher and HOD, which shall solve all grievances relating to the Assessment of the student.

10. GRADE AWARDS

i. In order to pass the examination following Choice Based Credit and Grading System (CBC&GS) will be followed. Ten point rating scale shall be used for evaluation of performance of the student to provide Letter Grade for each course and overall grade for this course. Grade points are based on the total number of marks obtained by him / her in all the heads of the examination of the course. These grade points and their equivalent range of the marks are shown separately in following:

Table 4: Ten Point grades and grade description

Sr.	Equivalent	Grade points for SGPA	Grade	Grade Description
No.	Percentage	and CGPA		
1.	90 - 100	9.00 - 10	0	Outstanding
2.	80 - 89.99	8.00 - 8.99	A++	Excellent
3.	70 - 79.99	7.00 - 7.99	A+	Exceptional
4.	60 - 69.99	6.00 - 6.99	A	Very Good
5.	55 - 59.99	5.50 - 5.99	B+	Good
6.	50 - 54.99	5.00 - 5.49	В	Fair
7.	45 - 49.99	4.50 - 4.99	C+	Average
8.	40.01 - 44.99	4.01 – 4.49	С	Below Average
9.	40	4.00	D	Pass
10.		0.00	F	Fail

ii. Table – II: Classification for the degree is given as follows

Overall letter grade
A+ and above
A
B+
В
C+ to D
F

iii. In the event of student registered for the examination (i.e. Internal Tests/End Semester Examination/Practical/Seminar/Project Viva-voce), non-appearance shall be treated as the student deemed to be absent in the respective course.

- iv. Minimum D grade shall be the limit to clear /pass the course/subject. A student with F grade will be considered as 'failed' in the concerned course and he/she has to clear the course by reappearing in the next successive semester examinations. There will be no revaluation or recounting scheme under this system.
- v. Using table I, Semester Grade Point Average (SGPA) and then Cumulative Grade Point Average (CGPA) shall be computed. Results will be announced at the end of each semester and Cumulative Grade Card with CGPA will be given on completion of the course.

11. COMPUTATION OF SGPA (SEMESTER GRADE POINT AVERAGE) & CGPA (CUMULATIVE GRADE POINT AVERAGE)

The computation of SGPA and CGPA will be as below:

i. Semester Grade Point Average (**SGPA**) is the weighted average of points obtained by a student in a semester and will be computed as follows:

The SGPA for all the six semesters will be mentioned at the end of every semester.

ii. The Cumulative Grade Point Average (**CGPA**) will be used to describe the overall performance of a student in all semesters of the course and will be computed as follows:

$$CGPA = \frac{Sum(All Six semester SGPA)}{Total number of semesters}$$

The SGPA and CGPA shall be rounded off to the second place of decimal.

12. EVALUATION SCHEME

- i. Each 4 Credit theory course will be of 100 Marks and be divided in to Internal Examination (Sessional) of 20 Marks and Semester End Examination of 80 Marks. (ie. 20+80=100).
- ii. Each 2 Credit theory course will be of 100 Marks and be divided in to Internal Examination (Sessional) of 10 Marks and Semester End Examination of 40 Marks. (ie. 10+40=50).
- iii. The Internal Evaluation shall be done on the basis of weekly exams, assignments, fieldwork, seminars, review writing etc.

iv. Semester End Examination Evaluation Scheme

- English shall be the medium of instruction and examination.
- Examination shall be conducted at the end of each semester as per the academic calendar notified by department itself.
- The Semester End Examination theory question paper will have two parts (20 + 60 = 80) Marks for 4 Credit/100 marks course and (10 + 30 = 40) Marks for 2Credit/50 marks paper.

b) For Implant Training and Project Work:

- i. At the end of second semester, all students will have to undergo Summer Training (MANB-551) of 6-8 weeks with an industrial, business or service organization. The condition of successfully completing the programme shall not be deemed to have been satisfied unless a student undergoes summer training under the supervision of the department in organization as approved by the Departmental/Faculty from time to time. Each student will be required to submit the implant training report to the Department/faculty for the work undertaken during this period within three weeks of the commencement of the third semester for the purpose of evaluation in the third semester. Also during Third Semester, in consultation with respective Project Guide the Topic based on selected elective, for Fourth Semester Project would be finalized (MANB 552) and subsequently Final Synopsis for the same would be submitted by the student.
- **ii.** The final project study (MANB-553) shall commence from third semester and the report should be submitted towards the end of the fourth semester. The project report should cover the theoretical background, field study and comparative analysis. Alternatively the students may take up the problems from the industry and construct a case study. The case studies can also be submitted as project reports.
- **iii.** The project topic should be in the area of specialization and should necessarily include field work and library work.
- **iv.** The student will be expected to make a presentation/viva-voce of the project work towards the end of the last semesters.
- v. Out of aggregate 200 marks assigned to the project report. 100 Marks are assigned to the concerned guide from the industry and 100 Marks are assigned to the Departmental Examination. Further the project report, presentation and viva-voce will be evaluated jointly by the internal and external examiner.
- **vi.** Two typed copies of Project Report shall be submitted by the candidate to the concerned teacher for Evaluation.
- c) At the end of each semester the Committee of Department shall assign grades to the students and will prepare the result. Also, the Department will display the grade points and grades for the notice of students.
 - **d)** Every student shall have the right to scrutinize answer sheets of mid semester/semester end examinations and seek clarifications from the faculty regarding evaluation of the sheets as per Grievance Schedule.

13. RULE FOR OFFERING ELECTIVES

The number of students required for offering an Elective /Specialization shall be a batch of minimum of 10 students.

14a. READMISSION FOR PURSUING ADDITIONAL ELECTIVE COURSES

A student can be given readmission for pursuing additional electives, for MBA DUAL specialization, after completion of MBA programme subject to payment of requisite fees as prescribed by the department. Such candidates have to satisfy all the rules including attendance rule in vogue on par with regular students. However they (students who have pursued MBA Course within the Department) are exempted from appearing in those subjects which they have already passed. The same exemption does not apply to those students who have completed their MBA Course from other than University Department of management Science. The admission for the same must be done within three years after completion of MBA programme.

14b. ADMISSION FOR PURSUIING OPTIONAL FOREIGN LANGUAGE COURSE

A student can opt for foreign language course offered by department concurrently with the regular course subject to following terms:

- 1. The number of students required for offering an optional foreign language course shall be a batch of minimum of 10 and maximum of 60 students.
- 2. Also the course will be offered subject to availability of faculty/experts.

15. GRADE CARD

The University shall issue a Grade Card for the student, containing the grades obtained by the student in the previous semester and his Semester Grade Point Average (SGPA)

The grade card shall list:

- (a) The title of the courses along with code
- (b) The credits associated with the course,
- (c) The grade and grade points secured by the student,
- (d) The total credits earned by the student in that semester.
- (e) The SGPA of the student,
- (f) The total credits earned by the students till that semester and
- (g) The CGPA of the student (On Successful Completion of Programme).

(h) Cumulative Grade Card

The grade card issued on completion of the programme shall contain the name of the programme, the department / school offered the programme, the titles of the courses taken, the credits associated with each course, grades awarded, the total credits earned by the student, the CGPA and the class in which the student is placed.

16. GENERAL CLAUSE

It may be noted that beside the above specified rules and regulations all the other rules and regulations in force and applicable to semester system in Post-Graduate courses in Dr. Babasaheb Ambedkar Marathwada University will be applicable as amended from time to time by the University. The students shall abide by all such Rules and Regulations.

17. Structure of MBA Programme under CBC&GS

Sem	Course	Ref. No	Subject Title	Credit	No. of Hrs.	Exam	Mar	·ks	Total
					per Sem/Minm Assessment/ Tutorial	Hrs.	Internal	End Sem Exam	
		MANB401	Management Practices and Organizational Behavior	4	60 -02	3	20	80	100
		MANB402	Statistical Methods	4	60 -02	3	20	80	100
	Generic	MANB403	Managerial Economics	4	60 -02	3	20	80	100
	Foundation	MANB404	Research Methodology	4	60 -02	3	20	80	100
	Course	MANB405	Accounting for Managers	2	30 -02	1.5	10	40	50
I		MANB406	Environment Management	2	30 -02	1.5	10	40	50
		MANB407	Constitution of India	2	30 -02	1.5	10	40	50
		MANB408	Computer Applications	2	30 -02	1.5	10	40	50
	Skill Based Foundation	MANB409	English Language Proficiency	2	30 -02	1.5	10	40	50
	Course	MANB451	Community Service – I	2	30 -03		50		50
		MANB452	Project	2	30		50		50
			Total	30	450		230	520	750

Sem	Course	Ref. No	Subject Title	Cre	edit	No. of Hrs.	Exam	Ma	rks	Total
						per Sem/Minm Assessment/ Tutorial	Hrs.	Internal	End Sem Exam	
		MANB410	Optimization Techniques	4		60 -02	3	20	80	100
		MANB411	Human Resource Management	e 4		60 -02	3	20	80	100
	Generic Foundation	MANB412	Financial Management	4		60 -02	3	20	80	100
	Course	MANB413	Marketing Management	4		60 -02	3	20	80	100
		MANB414	Production and Operation Management	on 4		60 -02	3	20	80	100
		MANB415	Business Legislation	4		60 -02	3	20	80	100
	Skill Based	MANB416	Soft Skill Development	2		30 -02		50		50
	Foundation Course	MANB417	Employability Skills	2		30 -02		50		50
	G G	MANB453	Community Service – II	2		30		50		50
	Core Course	MANB454	Project	2		30		50		50
	Open Elective Course	MANB42X	Elective I	2		30 -02	1.5	10	40	50
			Tota	al 34	1	510		330	520	850
Е	lective-I			•			•		•	•
		MANB421	Corporate Governance	2		30 -02	1.5	10	40	50
	Open Elective	MANB422	International Business Environment	2		30 -02	1.5	10	40	50
	Course	MANB423	Ethics in Management	2		30 -02	1.5	10	40	50
	Course	MANB424	Creativity and Innovations	2		30 -02	1.5	10	40	50

Sem	Course	Ref. No	Subject Title	Credit	No. of Hrs.	Exam	Mar	·ks	Total	
					per Sem/Minm Assessment/ Tutorial	Hrs.	Internal	End Sem Exam		
	Core	MANB501	Business Policies and Strategic Analysis	4	60 -02	3	20	80	100	
	Course	MANB502	DSS and MIS	2	30 -02	1.5	10	40	50	
	Specialization- Finance/Marketing/Human Resource Mgmt/Production and Operations/IT									
			Subject I	4	60 -02	3	20	80	100	
			Subject II	4	60 -02	3	20	80	100	
III		*Given in	Subject III	4	60 -02	3	20	80	100	
	Core Course	following table	Subject IV	4	60 -02	3	20	80	100	
	as per specialization		Subject V	4	60 -02	3	20	80	100	
	specialization		Subject VI	4	60 -02	3	20	80	100	
		MANB551	Inplant Training Report	4	60		20	80	100	
		MANB552	Project	2	30		50		50	
			Total	36	540		220	680	900	

^{*}Table showing Electives as per specialization.

Specialization- Finance

Sem	Course	Ref. No	Subject Title	Credit		Exam	Marks		Total
					per Sem/Minm Assessment/ Tutorial	Hrs.	Internal	End Sem Exam	
		MANB503F	Money, Banking & Finance	4	60 -02	3	20	80	100
		MANB504F	Working Capital Management	4	60 -02	3	20	80	100
	Core	MANB505F	Corporate Taxation	4	60 -02	3	20	80	100
III	Course	MANB506F	Investment Management	4	60 -02	3	20	80	100
	(Finance)	MANB507F	Financial Decision Analysis	4	60 -02	3	20	80	100
		MANB508F	Management of Financial Institutions	4	60 -02	3	20	80	100

Specialization- Marketing

Sem	Course	Ref. No	Subject Title	Credit	No. of Hrs.	Exam	Mar	ks	Total
					per Sem/Minm Assessment/ Tutorial	Hrs.	Internal	End Sem Exam	
		MANB503M	Consumer Behavior	4	60 -02	3	20	80	100
		MANB504M	Advertising Management	4	60 -02	3	20	80	100
	Core	MANB505M	Industrial Marketing	4	60 -02	3	20	80	100
III	Course (Marketing)	MANB506M	Brand Management	4	60 -02	3	20	80	100
		MANB507M	Sales & Distribution Management	4	60 -02	3	20	80	100
		MANB508M	Digital Marketing	4	60 -02	3	20	80	100

Specialization- Human Resource Management

Sem	Course	Ref. No	Subject Title	Credit		Exam	Mar	·ks	Total
					per Sem/Minm Assessment/ Tutorial	Hrs.	Internal	End Sem Exam	
		MANB503H	Management of Industrial Relations	4	60 -02	3	20	80	100
		MANB504H	Human Resource Planning and Development	4	60 -02	3	20	80	100
	Core	MANB505H	Training and Development	4	60 -02	3	20	80	100
III	Course (HRM)	MANB506H	Performance Management Systems	4	60 -02	3	20	80	100
		MANB507H	HRD – Strategies and Systems	4	60 -02	3	20	80	100
		MANB508H	Cross Culture and Global HRM	4	60 -02	3	20	80	100

Specialization- Production & Operations

Sem	Course	Ref. No	Subject Title	Credit	No. of Hrs.	Exam	Mar	·ks	Total
					per Sem/Minm Assessment/ Tutorial	Hrs.	Internal	End Sem Exam	
		MANB503P	Production Planning & Control	4	60 -02	3	20	80	100
	Core	MANB504P	Purchasing and Materials Management	4	60 -02	3	20	80	100
III	Course (P&O)	MANB505P	Service Operations Management	4	60 -02	3	20	80	100
	(1 & 0)	MANB506P	Applied Operation Research	4	60 -02	3	20	80	100
		MANB507P	Logistics Management	4	60 -02	3	20	80	100
		MANB508P	World Class Manufacturing	4	60 -02	3	20	80	100

Specialization-Information Technology

Sem	Course	Ref. No	Subject Title	Credit	No. of Hrs.	Exam	Marks		Total
					per Sem/Minm Assessment/ Tutorial	Hrs.	Internal	End Sem Exam	
		MANB503I	Strategic Management & IT	4	60 -02	3	20	80	100
		MANB504I	System Analysis and Design	4	60 -02	3	20	80	100
	Core	MANB505I	Database Management System	4	60 -02	3	20	80	100
III	Course (IT)	MANB506I	Internet Programming for E- Commerce	4	60 -02	3	20	80	100
		MANB507I	RDBMS and SQL Concepts	4	60 -02	3	20	80	100
		MANB508I	Application Development Using Oracle	4	60 -02	3	20	80	100

Sem	Course	Ref. No	Subject Title	Credit		Exam	Marks		Total
					per Sem/Minm Assessment/ Tutorial	Hrs.	Internal	End Sem Exam	
		MANB509	Entrepreneurship Development	4	60 -02	3	20	80	100
	Core Course	MANB510	Quality Management	4	60 -02	3	20	80	100
IV		MANB511	Indian Economy	4	60 -02	3	20	80	100
		MANB553	Major Project	8	120		40	160	200
			Total	20	300		100	400	500

	Course Total	120	1800	880	2120	3000
	Service Course	4	60	20	80	100
	GRAND TOTAL	124	1860	900	2200	3100

Subject Title : Management Practices & Organizational Behaviour

Subject Ref. No. : MANB401 No. of Credits : 4

No. of Periods / Week : 4
Assignments / Sessional : 20
Semester Examination : 80

Course Objective

: The Subject intends to empower the students to understand the nuances of Organizational Functioning with special reference to Human Behavior, Group Dynamics, Organizational Learning & thereon; thereby making them capable of working in an organizational set-up.

Pre Requisite

: The students are expected to be prepared with the theoretical aspects of the same, so that the mentor could facilitate the minds to absorb its practical aspects.

Unit – I

: Genesis of Management Thought & Conceptualization: Understanding of Management Concepts, Evolution of Management Thought, Systems and Contingency Approach for understanding organizations, Managerial Processes, Functions, Skills & roles of a Manager in an organization; Management by Objectives (MBO).

Unit – II

: Management of Individual Behavior in Organization - I: Personality, Perceptions, Values, Attitudes, Learning.

Unit – III

Management of Individual Behavior in Organization - II:

Work motivation & Employee Engagement, Individual decision making & problem solving

Unit – IV

: Group Dynamics:

:

Corporate Leadership, Emotional Intelligence, Understanding & managing group processes-Interpersonal and Group Dynamics - Communication, Group Decision-making, Organizational Design & Structure, Recreation & Work Stress

Unit - V

: Society vis-à-vis Organization:

Corporate Social Responsibility; Corporate Global Citizenship in the wake of Globalization

Text Books

- 1. Luthans, F. *Organizational Behaviour*, 7th ed., New York, McGraw Hill, 1995.
- 2. Robbins, S.P. *Management*, 5th ed., New Jersey, Englewood Cliffs, Prentice Hall Inc., 1996.

Robbins, S.P. *Organizational Behaviour*, 7th ed., New Delhi, Prentice hall of India, 1996

Additional Reference Books

- 1. Koonz, H. and Weachirch, H. *Management*. 10th ed., New York, McGraw Hill, 1995.
- 2. Goleman, Daniel *Emotional Intelligence*,
- 3. Harvard Business Review's Leadership Manual

www.hbpr.com

Subject Title Statistical Methods

Subject Ref. No. MANB402 No. of Credits 4

> No. of Periods / Week 4 Assignments / Sessional 20 80 **Semester Examination**

: The objective of the course is to make student familiar with statistical **Course Objective**

techniques relevant to management science and focus on applied aspects of

subject.

Pre Requisite : Basic knowledge of mathematics.

Unit – I Measures of central tendency, mean-median-mode, measures of dispersion,

means and standard deviation.

Unit - II : Correlation analysis and regression analysis.

Unit – III Time series analysis: components, methods of measurement moving averages

and methods of Least Squares.

Unit - IV : Probability and probability distribution, Business Forecasting

Unit - V Statistical Reference: Test of Hypothesis, Chi square test, F-test and Analysis

of variance.

Text Books 1. Gupta S P, Statistical Methods, New Delhi S Chand and Co Ltd 2008

2. Elhans D N, VeenaAgrawal, B M Fundamental of Statistics New Delhi,

KitabMahal, 2002.

3. Sharma S D, Operation's Research, KedarNath and Ram Nath and Co.,

Meerut, 2000

1. C Satyadevi, Quantitative, New Delhi S Chand and Co Ltd 2009 Additional :

Reference Books 2. Shrivastava V K, Shenoy G V, Sharma S C, Quantitative Techniques and Managerial Decisions, New Delhi, New Age International Ltd,

2005

3. Shrivastav, Statistics for Management, Tata McGraw Hill, 2000

4. Levin Richard I and Rubin David S Statistics for Management, New

Prentice Hall Inc. 1995.

Subject Title : Managerial Economics

Subject Ref. No. : MANB403 No. of Credits : 4

No. of Periods / Week : 4 Assignments / Sessional : 20 Semester Examination : 80

Course Objective : The objective of the course is to acquaint the students with concepts and

technologies needed in economics and to enable them to apply this knowledge

in business decision making at firm level.

Pre Requisite : Basic understanding of concepts, theories of economics.

Unit – I : Introduction:

i. Basic concepts and Principles

ii. Theory of firm

Unit – II : Theory of Demand:

i. Demand and supply analysis

ii. Consumer preference and choice

iii. Elasticity of demand

iv. Demand forecasting

Unit – III : Theory of Production and Cost:

i. Production Theory

ii. Cost concepts

Unit – IV : Market Structure:

i. Perfect Competition

ii. Monopoly

iii. Oligopoly

Unit – V : Macro-Economic Aspects:

i. National Income

ii. Money Supply and Inflation

iii. Business cycles

Subject Title Research Methodology

Subject Ref. No. MANB404 No. of Credits 4

> No. of Periods / Week 4 Assignments / Sessionals 20 80 Semester Examination

Course Objective

: To equip the students with the basic understanding of the research methodolo and to provide an insight into the application of modern analytical tools a

techniques for the purpose of management decision making.

: NA. **Pre Requisite**

Unit – I : Nature and Scope of Research Methodology; Research Problem identification;

Types of Problems; Problem solving process; Problem Formulation and

Statement of Research Objectives; Research Applications.

Unit – II : Research process; Research designs-exploratory, descriptive & experimental

research designs

: Methods of Data Collection - Observational and Survey methods; Unit - III

Questionnaire Design; Attitude measurement Techniques; Motivational

Research Techniques; Administration of Surveys;

Unit - IV : Sample Design; Selecting an Appropriate Statistical Technique; Field Work

and Tabulation of Data:

Unit - V : Analysis of Data-; Use of SPSS and other Statistical Software

> Advanced Techniques for Data Analysis - ANOVA, Discriminant Analys Factor Analysis, Conjoint Analysis, Multidimensional Scaling and Clusteri Methods; Organization structure of research; Research Proposal; Purpose a

types of Research Proposal.

Text Books 1. Research methodology methods & techniques by C.R. kothari

2. Statistical methods: Dr.S.P. Gupta-sultan Chand & sons New Delhi.

3. Research methodology by gupta

4. Research methodology in social science by Giridhari

5. Management Research Methodology by K.N. Krishnaswamy, Appa

Iyer sivakumar and M. Mathirajan.

6. Management Research by Andrews, F.M. and S.B. Withey Social

Indicators of Well Being. Plenum Press. NY, Bennet, Roger

7. Survey Methods by Fowler, Floyd J.Jr.,

8. Exploring Research by Salkind, Neil J.,

Subject Title : Accounting for Managers

Subject Ref. No. : MANB405 No. of Credits : 2

No. of Periods / Week : 2 Assignments / Sessionals : 10 Semester Examination : 40

Course Objective : 1. The basic purpose of this course is to develop an insight of postulates,

principles and techniques of accounting.

2. To plan the work & take decisions on the basis of accounting information.

Unit – I : Financial Accounting – Concepts, Importance and Scope, Generally Accepted

Accounting Principles of Double Entry System of Book-Keeping, Ledger Posting, Preparation of Trial Balance sheet, Preparation of Final Accounts with

simple Adjustments

Unit – II : **Management Accounting** – Meaning, Aims, Objectives, Functions,

Advantages and Limitations of Management Accounting Difference between Management Accounting and Financial Accounting; Financial Analysis Fund

Flow and Cash Flow Statements.

Unit – III : Cost Accounting: - Meaning, Concept, Relationship Between Cost Accounting

and Financial Accounting, Cost Elements - Material Labour and Overheads,

Preparation of Cost Sheet

Unit – IV : Marginal Costing, Absorption Costing and Breakeven Analysis, Standards

Costing and Variance Analysis.

Text Books : 1) 'Advanced Accountancy' by Shukla and Grewal.

2) 'Advanced Financial Accounting' by R.L.Gupta

3) 'Advanced Accounting' by Jain and Naranmg.

4) 'Advanced Accounting' by Khan and Jain.

5) 'Advanced Accountancy' by S.N.Maheswari.

Note : Every week there will be compulsory class test.

Outcome : The students will have better understanding of Accounting data & will be able

to take decisions of the firm on the basis of Financial Statements.

Subject Title : Environment Management

Subject Ref. No. : MANB406 No. of Credits : 2

No. of Periods / Week : 2 Assignments / : 10 Sessionals

Semester :

Examination

Course Objective : UNs Resolution for 2010 & the World Millennium Goals have Environm

: UNs Resolution for 2010 & the World Millennium Goals have Environment & Sustainable Development as the core objective. The course is designed to make the budding managers sensitized to Environment along with developing an understanding of inclusive & sustainable growth; thereby creating Managers that cater to the societal demands along with the

organizational priorities.

Unit – I : Environment Management: Fundamentals-Sustainable Development,

Implications of human population growth, Limits to growth, Environment

and Business Schools.

Unit – II : Energy Management-Fossil Fuels use, Nuclear – Wind – Hydro Energy,

Bio-fuel; Recycling Industry; Ecosystem Concepts; Ecology: Industrial

Ecology, Agro-ecology.

Unit – III : Environment Management System; EMS Standards; Audit Scheme;

Clearance/Permissions for establishing industry; Carbon Credit.

Unit – IV : Environmental Management and Valuation: Environmental Accounting,

Green Funding, Green Banking; Environment Ethics; Environmental Health

& Protection; GATT/ WTO Provisions; Environmental Law.

Unit – V : Pollution and Waste Management- Air, Water, Noise & Land Pollution;

Waste Management; Biodiversity Management; forest products and Trade;

Global-warming; Bharat Stage – II & Euro – II; Role of NGO's.

Subject Title : Constitution of India

Subject Ref. No. : MANB407 No. of Credits : 2

No. of Periods / Week : 2 Internal : 10 External : 40

Syllabus will be provided by the authorities.

Subject Title Subject Ref. No.

Computer Applications

MANB408 No. of Credits 2 2 No. of Periods / Week 10 **Assignments / Sessional** 40 **Semester Examination**

Course **Objective**

The Objectives of this course include developing an understanding of different software and hardware systems available in the industry among the students and build up the experience of computer usage in business applications

Pre Requisite Unit – I

Basic Concepts of Computers: Introduction and definition of computer; functional components of a computer system-(Input unit, CPU, Memory and output unit); Types of memory and memory hierarchy; Functioning inside a computer; characteristics, advantages and limitations of a computer; classification of computers; Essential Components of computer

Hardware: (a) Input devices - keyboard, printing devices, voice speech devices, scanner, MICR, OMR, Bar code reader, digital camera etc. (b) Output devices -Visual Display Unit, printers, plotters etc.(c) Storage Devices – Magnetic storage devices, Optical storage devices, Flash Memory etc.

Software: Introduction; Types of software with examples; Introduction to languages, compiler, interpreter and assembler.

Operating System: Definition, Functions, Types and Classification, Elements of GUI based operating system Windows-Use of menus, tools and commands of windows operating system.

Unit - II

Personal Productivity Software: Word Processing: Editing Features, Formatting Features, Saving, Printing, Table Handling, Page Settings, Spell-Checking, Macros, Mail-Merge, and Equation Editors. **Spreadsheet**: Workbook, Worksheets, Data Types, Operators, Cell Formats, Freeze Panes, Editing Features, Formatting Features, Creating Formulas, using Formulas, Cell References, Replication, Sorting, Filtering, Functions, Charts and Graphs. Presentation Graphics Software: Templates, Views, Formatting Slide, Slides with Graphs, Animation, Using Special Features, Presenting Slide Shows

Unit - III

E-commerce: Introduction, Comparison between Traditional commerce and Ecommerce; Advantages & disadvantages of e-commerce, Buying & Selling on Internet, Issues in Implementing Electronic Commerce. Applications of Information Technology: Information Technology (IT) applied to various functional areas of management, such as Production / Operations, Marketing, Human Resource, Finance and Materials Management.

Text Books

- 1. ITL Education Solutions, Introduction to Information Technology, Pearson Education.
- 2. Turban, Rainer and Potter, Introduction to information technology, John Wiley and Sons
- 3. Introduction to Computers, Peter Norton, TMH, Delhi 2.
- 4. Computer Today, Basandara, Galgotia Publication, Delhi

Subject Title : English Language Proficiency

Subject Ref. No. : MANB409 No. of Credits : 2

No. of Periods / Week : 2 Assignments / Sessional : 10 Semester Examination : 40

Course Objective : 1. The basic purpose of this course is to acquaint the students with the nuances

of English language & enhance interpersonal, social skills etc.

Pre-requisite : Basic awareness of English language.

Unit – I : I. Spoken Vs Written Communication

II. Introduction to English

Unit – II : Basics of Grammar

Unit – III : Building Vocabulary, Speed Reading

Unit – IV : Reading Comprehension skills

II Semester

Subject Title : Optimization Techniques

Subject Ref. No. : MANB410 No. of Credits : 4

No. of Periods / Week : 4

Assignments /

Sessionals 2

:

0

Semester Examination : 8

Course Objective : The objective of the course is to develop in understanding a basic optimization techniques and their role in Managerial Decision Making.

Pre Requisite

: Students are required to revise knowledge of statistical methods.

Unit – I

: Basics of Operation Research, Applications in Managerial decision making.

Unit – II

: Linear Programming, Basic Concepts and methods of solution.

Unit – III

: Assignment and transportation models, replacement theory.

Unit – IV

: Queuing theory, game theory and simulation.

Unit – V

: Decision theory, inventory management techniques, project management by

PERT/CPM.

Text Books

- 1. Taha, H A Operations Research- An Introduction, New york, Mc-Miillan, 1989
- 2. Narag A S, Linear Programming and Decision Making, New Delhi, Sultan Chand, 1995.
- 3. Sharma S D, Operation's Research, KedarNath and Ram Nath and Co., Meerut, 2000

Additional Reference

Books

- 1. KantiSwarup Gupta, P. K. Manmohan, Operations Research, Sultan Chand and Sons Edu, Publishers, New Delhi 2003
- 2. Gupta, Prem Kumar and Hira, D S Operations Research, New Delhi, S Chand and Co Ltd 2000

Subject Title: HUMAN RESOURCE MANAGEMENT

Subject Ref. No.: MANB-411

No. of credits: 04
No of periods /week: 04
Assignments/ sessions: 20
Semester Exam: 80

Course Objectives: In a complex world of industry and business organizational

efficiency is largely dependent on the contribution made by the members of the organization. The Objectives of this course is to sensitize students to the various facets of managing people and to create an understanding of the policies and practices of human

resource management.

Pre-requisites: Functions of Human Resource Management, Basics of Human

Resource Planning and its role in Human Resource Management.

Unit-I Conceptualization & fundamentals: Introduction to HRM, corporate objectives & HPM, Concepts & functions of HRM,

comparison between Personnel Management & HRM, corporate

level strategies & its effect on HRM

Unit-II Employment: Job Design, Job Analysis, Human Resource Planning,

Recruitment, Selection, Placement, Induction.

Unit-III Human Resource Development: Training & Development, career

planning & succession Planning, Performance Appraisal, Potential Appraisal, Promotion, Transfer & Demotion, Retention &

Retrenchment strategies, Exit Interviews

Unit-IV Compensation : Job Evaluation, Wage & salary Administration,

fringe Benefits, social Security measures

Unit-V Employee Engagement Practices: Employee welfare, Industrial

Relations, Trade Unions, Dispute Resolution & Grievance

Management

Text Books: 1. Dessler, Gary Human Resource Management, Prentice Hall

2. Aswathappa K. Human Resources and Personnel Management

Tata McGraw Hill New Delhi, 1997.

3. P. Subba Rao; Personnel And Human Resource Management"

Text & Cases, Himalay Publishing House. 2009.

4. Sarma A.M., Performanc Management systems, Himalaya

Publication House, 2008.

5. Kandula, Performance Management, straltgies, interventions,

Drivers, Printice Hall of India, 2007.

6. Cardy, Performance Management concepts skills & exercise,

printice Hall of India 2007.

Subject Title : Financial Management

Subject Ref. No. : MANB412 No. of Credits : 4

No. of Periods / Week : 4
Assignments / Sessionals : 20
Semester Examination : 80

Course Objective: The purpose of this course is in creating awareness and understanding of

three core areas of Financial Management- Investment Decisions,

Financing Decisions and Dividend Decisions

Pre Requisite: Elementary Understanding of concepts related to Finance.

Unit – I : Foundations of Finance:

Overview, Time value of money and Valuation of Bonds and Shares

Unit – II : Analysis and Control:

Cash flow statement, Financial Statement Analysis, Cost-Volume-Profit

Analysis, Budgeting and Profitability.

Unit – III : Long Term Investment Decision:

Capital Budgeting, Cost of Capital, and Risk Analysis.

Unit – IV : Current Asset Management:

Working Capital Management, Management of Cash, Receivables and

Inventory, Working Capital Financing.

Unit - V : Leverage Decisions, Capital Structure Decisions, Long-term

Financing and Dividend Policies and Its Determinants

Text Books: 1. FinancialManagement- Khan and Jain Sixth Ed- Tata McGraw

Hill.

2. FinancialManagement-Prasanna Chandra – Seventh Ed, Tata

McGraw Hill.

3. FinancialManagement- Principles and Practice- G Sudarshana

Reddy, Himalaya Publications

4. FinancialManagemen- R. M ShrivastavHimalaya Publications

5. FinancialManagement-I M Pandey, Vikas Publications 10th Ed

Additional Reference Books **Subject Title** : Marketing Management

Subject Ref. No. : MANB413 No. of Credits : 4

No. of Periods / Week : 4
Assignments / Sessionals : 20
Semester Examination : 80

Course Objective

: The purpose of this course is to develop and understanding of the underlying concepts, strategies and issues involved in the marketing of products and services.

Pre Requisite

: The student should have basic knowledge of Management.

Unit - I

: Nature and scope of marketing, corporate orientations towards the marketplace. The marketing environment and Environment scanning, Integrating Marketing with other Functions, Marketing information system and Marketing research,

Unit – II

: Understanding consumer and Industrial markets, Market segmentation, Targeting and positioning; Product decisions-product mix, product life cycle, new product development, branding and packaging decisions,

Unit - III

: Pricing methods and strategies, Promotion decisions-promotion mix, advertising, sales promotion, publicity and personal selling;

Unit - IV

: Channel management-selection co-operation and conflict management, vertical marketing implementation and systems, Organizing and implementing marketing in the organization; Evaluation and control of marketing efforts;

Unit - V

: New issues in marketing-Globalization Consumerism, Green marketing, Internet Marketing, Rural Marketing – Rural Marketing Environment & Strategy.

Customer Relationship Management – Components of CRM, Measuring Customer Satisfaction.

Marketing of Services – Growth of Services in India, social networking,

Bluetooth marketing and Retailing – Nature & Scope.

Text Books

- 1. Kotler, Philip, *Marketing Management, Analysis, Planning, Implementation and Control*, New Delhi, Prentice Hall of India.
- 2. Ramaswamy, V S and Namakumari, S. *Marketing Management; Planning Control*, New Delhi, Macmillan.

Additional Reference Books

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- 1. Enis, B M Marketing Classics: A Selection of Influential Articles, New York, McGraw Hill.
- 2. Station William, J. Fundamentals of Marketing, New York, McGraw Hill.
- 3. Nelamegham, S. *Marketing In India: Cases and Readings*, New Delhi, Vikas.

Shah "Advertising and Promotion", Tata McGraw Hill.

Production and Operations Management Subject Title

Subject Ref. No. MANB414 No. of Credits No. of Periods / Week 4

2

Assignments / Sessionals 0

8 Semester Examination 0

Course Objective

: The Course is designed to acquaint the students with decision making in: Planning, scheduling and control of Production and Operation function in both manufacturing and services; Productivity improvement in operations through layout engineering and quality management etc.; Effective and efficient flow, replenishment and control of material with reference to both manufacturing and services organizations.

Pre Requisite

Unit – I

Nature and Scope of Production and Operations Management; Types of Manufacturing Systems & Layouts; Layout Planning and Analysis; Make-or-Buy Analysis

Unit – II

Facility Location; factors influencing facility location; Capacity Planning; Types of capacity;

Unit - III

Materials Management - Overview of Materials Management, Materials planning, Budgeting, Inventory control, JIT, MRP, Purchase Mgt., Stores Mgt; Vendor Evaluation;

Materials Handling- Principles ; Equipments; 5-S. Kaizen; Kanban; Poka-Yoke; Toyota Production Systems; Line Balancing-Problems;

Unit - IV

Scheduling; Production Planning and Control-In Mass Production-In Batch/ Job Order Manufacturing;

Work Design- Work study, method study, work measurement- work sampling

Unit - V

Quality Management System- Quality Assurance- statistical process control - acceptance sampling; TQM-ISO 9000; Maintenance Mgt concepts- Maintenance Mgt; Work environment; Safety management;

Text Books

- : 1. Production and operations Management by Kaniska Bedi
 - Production and operations Management by K. Ashwathappa and K. Shridhara Bhat
 - 3. Operations Management by E. Buffa
 - 4. Production and Operations Management 6th ed., by Adam, E E & Ebert, RJ.;

Subject Title : Business Legislation

Subject Ref. No. : MANB415 No. of Credits : 4

No. of Periods / Week : 4

Assignments / Sessionals : 20

Semester Examination : 80

Course Objective

: The Course bears the onus of developing technical insights in students

about the legislative framework of Indian Business Scene.

Pre Requisite

: The students are required to refer Bare Acts, Law Codes & Supreme Court Precedents on the topics to be discussed in the lecture beforehand.

Unit – I : The Indian Contract Act, 1872 (Section 1 – 100)

Fundamentals & Conceptualization, Essentials of a Valid Contract, Void-Voidable Contracts, Performance & Breach of Contracts, Remedies on

Breach of Contract & Quasi Contracts.

Unit – II : The Company Act, 1956

Concept, Nature & Types of Companies, Formation of Company, Memorandum of Association & Articles of Association, Prospectus, Allotment of Shares, Director & its Qualifications, Shares & Share Capital, Membership, Borrowing Powers, Management & Meetings,

Winding-up of a Company.

Unit – III : The Sale of Goods Act, 1930

Concept, Definitions, Solemnization of a Sale of Goods Contract, Paid & Unpaid Seller, Rights of an Unpaid Seller, Remedies on breach of

Contract,

Unit – IV : The Negotiable Instruments Act, 1881

Types & Nature of Instruments, Negotiation & Assignment, Holder-indue Course, Dishonor & Discharge of Negotiable Instruments,

Arbitration.

& Consumer Protection Act

Unit – V : Information Technology Act & Cyber Laws

Text Books: Bare Acts & Code Books

Additional : Supreme Court Journals, Supreme Court Reports & other Reference

Journals

Reference Books

Subject Title : Soft Skills Development

Subject Ref. No. : MANB416 No. of Credits : 2

No. of Periods / Week : 2
Assignments / Sessionals : 5
0

Semester Examination : --

Course Objective : The subject aims at developing a more confident psychological self,

while working on the finishing & externalities of a personality.

Pre Requisite : The students are expected to put the day-to-day learning into actionable-

processes & practice.

Unit – I : Personality:

Elements of a Personality, Types of a Personality, Identify your Personality, Assets vs. Challenges of each Personality Type, MBTI Personality Type & Tests, Ways to beautify ones Personality, Identify 'my' Learning Style.

Emotional Intelligence & Inter-personal Relationships.

Unit – II : Goal Setting:

Unity of Goal, Me vs. My Goal, Goal Achievement – Way & the War, Ways to Achieve Goal, Game Plan & Achievement.

Unit – III : Written Communication:

Elements of Formal Drafting, Basics of Drafting, Drafting Business Letters & Reports,

Unit – IV : Making of a Corporate Professional

i) Team Enrichment – Group Dynamics, Stages of Group Development, Diversity Tolerance & Appreciation, Difference between a Team & a Group, How to manage 'me' in a Team, Team Building

ii) Leadership – Essence of Leadership, Leader with a Title & without a Title, Habits of a Leader, Qualities of a Leader,

Accommodating Diversity.

Unit – V : Change Management

Concept, Sources of Change, Change & Business Professional, Leadership & Change Management.

How to accommodate Change in the Corporate World. Decision Making in event of uncertainty.

Text Books1. Monippally, Matthukutty. M. 2001. *Business Communication Strategies*. 11th Reprint. Tata McGraw-Hill. New Delhi

2. The Goal – Eliyahu Goldratt

3. The Fish

4. Who Moved my Cheese

5. Think & Grow Rich – Napolean Hill

6. 7 Habits of Highly Effective People – Dale Carnegie

7. 6 Thinking Hats

Additional : 1. The Art of Thinking Big

Reference Books 2. The Monk who sold His Ferrari

Subject Title : Employability Skills

Subject Ref. No. : MANB-417 No. of Credits : 2

No. of Periods / Week : 2 Assignments / Sessionals : 50 Semester Examination : --

Course Objective

: The objective of the course is to train the students with the essential skills required for enhancing his or her employability prospects in the Job Market.

Pre Requisite : NA

Unit – I : Pre-Interview skills

Writing a CV or ResumeApplying for a Job.

• Writing a covering Letter.

Writing an effective linkdin Profile.

Unit – II : Interview skills

• Presentations in Interview.

Presentations to Large groups and conferences

Unit – III : Group Discussions and Debates.

Unit – IV : • Preparation for Aptitude Test

• Assessment- Psychometric Testing

Unit – V : Appearance.

Subject Title : Corporate Governance

Subject Ref. No. : MANB421 No. of Credits : 2

No. of Periods / Week : 2 Assignments / Sessionals : 10

Semester Examination: 40

Unit I Fundamentals & Conceptualization

Unit II Corporate Governance: Concept, Overview, Significance in Indian Context,

Issues in Corporate Governance, Historical Perspective – Kautilya's

Arthashastra.

Unit III Practice of Corporate Governance: Corporate Governance Mechanisms,

Indian Model of Governance, Characteristics of Good Corporate Governance.

Indian Corporate Governance Committee - CII Committee, Kumaramangalam

Birla Committee, Naresh Chandra Committee, Narayanan Murthy Committee

& J.J.Irani Committee etc.

Unit IV Legislative & Regulatory Framework: Indian Companies Act, 2013 relevant

to Corporate Governance, Clause- 49 of Listing Agreement & Whistle Blower

Policies & Legislations. SEBI & its role in Corporate Governance

Unit V ---

Reference Books 1. A.C. Fernando, Corporate Governance, Pearson Education, 2nd Edition.

2. C.V.Baxi, Corporate Governance, Excel Books, 2007.

Subject Title : International Business Environment

Subject Ref. No. : MANB422 No. of Credits : 2

No. of Periods / Week : 2
Assignments / Sessionals : 10
Semester Examination : 40

Course Objective

: The objective of the course is to provide the student with a background of various environment factors that have major repercussions on business and sharpen their mind to watch and update the changes that occur constantly in this sphere.

Pre Requisite

: NA

Unit – I

: International business – An overview of international business, International business environment – Economic, Socio – cultural, Political, Natural environment. Theories of International Business, Strategies of International Business, Modes of entering International Business, Advantages and Disadvantages of International Business,

Unit - II

: Globalization – Introduction, Meaning, and Defination, Features, Stages of Globalization, Gobalization of Markets, Globalization of Production, Globalization of Investments and Technology. Advantages and Disadvantages of Globalizations

Unit - III

: World Trade Organization(WTO), Tariff and non Tariff barriers, General Agreement on Trade and Tariff(GATT), Establishment of World Trade Organization., Uruguay round Package., Organization structure of the WTO, WTO – Anti Dumping Measures.

Unit – IV

: Regional Economic Integration, Global monetary system, Foreign Exchange Market, Global Capital Market.

Unit – V

: International Marketing, Global HRM, Global Production, Corporate Social Responsibility.

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Text Books

- : Francis Cherunilam: Business Environment: Text and Cases, 17/e, Himalaya, 2007.
 - K.Aswathappa, Essentials of Business Environment, 9/e Himalaya, 2007.
 - P. Subbarao: International Business, Himalaya Publishing.
 - Charles Hill, International Business Tata Mc. Graw Hill,

Subject Title : Ethics in Management

Subject Ref. No. : MANB423 No. of Credits : 2

No. of Periods / Week : 2 Assignments / Sessionals : 10 Semester Examination : 40

Unit I Fundamentals & Conceptualization: Morals – Ethics – Values, Indian

Heritage on Ethics, Fundamental principles of Ethics-Values in Business, Need

for values in Global change,

Professional Ethics of a Manager, Indian Leaders on Business Ethics.

Unit II Societal Aspect of Ethics & Corporate Governance: Corporate Social

Responsibility & corporate Governance, Corporate Global Citizenship.

Reference Books 1. Mishra "Business Ethics", Tata McGraw Hill

2. Chakraborty, S.K.: Foundation of Managerial work-Contribution from

Indian Thought, Himalaya Publishing House Delhi 1998.

3. Biswanath Ghose, Indian Ethos & Values, Vikas Publishing, 2008.

4.S.A. Sherlekar, Global Dharimic Management, Himalaya Publication

House, 2nd Edition 2005.

5. CVS Murthy, Business Ethics, Himalaya Publishing House, 2006

6. N.M. Khandelwal, Indian Ethnos & values for Manager, Himalaya

Subject Title : Creativity and Innovations

Subject Ref. No. : MANB424 No. of Credits : 2

No. of Periods / Week : 2
Assignments / Sessionals : 10
Semester Examination : 40

Unit I Basic concepts of Thinking, Creativity and Innovations

Unit II Lateral Thinking
Unit III Mind Mapping
Unit IV Innovations
Unit V Case Studies

1. "Lateral Thinking" by Edward de Bono

Reference Books 2. "Mind Mapping" by Tony Buzan

3. "Innovation Engine" by Tina Seelig