Mewar University, Chittorgarh Scheme for M.Sc. Environmental Science (CBCS) 2021-22

MEWARUNIVERSITYCHITTORGARH(RAJASTHAN) Schemeof Two YearMTech: Environmental Engineering

FirstSemester

550	TotalSemesterMark s=			22	ester	TotalSemester Credits=	•	
50	30	10	10	2	2		EnvironmentalEngineeringLab-I	EVE-618
100	60	10	30	4		4	ElectiveI	EVE - 615/616/617
100	60	10	30	4	î	4	SustainableWasteManagement	EVE -614
100	60	10	30	4		4	WaterTreatmentProcesses	EVE -613
100	60	10	30	4	,	4	AirandNoisePollution	EVE -612
100	60	10	30	4	,	4	EnvironmentalChemist ryandMicrobiology	EVE-611
		TeachersEvaluati on	Assignments /LabRecord		P	L		de
TotalMarks	Internal Assessment/Examination External Examination Total Marks /Viva-Voce	sment/Examination	InternalAsses	Credit Hours	ContactHoursP erWeek	ContactHo erWeek	Course Title	Cour

Second Semester

550	TotalSemester Marks=			22	TotalSemester Credits	mester (TotalSe	
30	30	10	10	2	22		EnvironmentalEngineeringLab-II	EVE-628
100	60	10	30	4		4	ElectiveII	EVE - 625/626/627
100	60	10	30	4	(A)	4	LifeCycleAnalysisandDesignforEnviron ment	EVE -624
100	60	10	30	4	•	4	EnvironmentalImpactAssessment	EVE -623
100	60	10	30	4		4	Industrial WasteManagement	EVE -622
100	60	10	30	4	3	4	Solid and Hazardous WasteManagement	EVE -621
		TeachersEva luation	Assignments /LabRecord		P	T		
TotalMarks	Internal Assessment/Examin External Examination Total Marks ation /Viva-Voce	ssment/Examin	InternalAsses ation	Credit Hours	ContactHours PerWeek	Conta	CourseTitle	Course Code

Third Semester

220	1 otalSemesterMarks=			22	TotalSemester Credits=	mester (TotalSe	
250	200			000	00		MinorProject	EVE-634
200	200	31		0	0		Seminar	EVE-633
150	150			,			ng	
50	00	10	30	4	î	4	Application of Remote Sensing inEnvironmentalEngineeri	EVE-632
100	60					4	KenewabieEnergySources	EVE-031
100	60	10	30	4		A	D	701
		TeachersEvaluation	Assignments /LabRecord		P	L		
Iotalylarks	External Examination /Viva-Voce	Internal Assessment/Examination	InternalAsse	Credit Hours	ContactHours PerWeek	Conta	CourseTitle	Code

FourthSemester

		EVE-041	THE CAL		Code	Course
	Tota	Dissertation				CourseTitle
	TotalSemester Credits=			L	erWeek	Contac
,	redits=	10	16	P	eek	ursP
///	16		16		Hours	
MEMAS &			50	Report		InternalAsse
21.1 × 1.1.12				TeachersEvaluation		Internal Assessment/Examination
	Total Seniester Marks—	Tatal Compart and Conferen	350		/ VIVa- Voce	ExternalExamination
	1000	400	400			TotalMarks

MBA-N235 Corporate Governance, Values and Ethics

MBA-N235 Corporate Governance, values and Etines
Course Objective The objective of this paper is to familiarize the participants with concepts, and practices in corporate governance and an understanding of values and ethics for application in organizational life Teaching Methodology A mix of conceptual lectures, case studies, and discussions Course Outline Content
UNIT 1: ☐ Issues in and need of corporate governance; codes; code of corporate practices; social responsibility of corporates; corporate social reporting' corporate governance and the role of Board of Directors; corporate governance system worldwide; corporate disclosure and investor protection in India
UNIT 2: □ Indian value system and values; teaching from scriptures and traditions – Bhagvad Gita, Ramayana, Mahabharata, Upanishadas, Vedas, Bible and Quran
UNIT 3: ☐ Ethical issues in capitalism and market systems; ethics and social responsibility; ethics and marketing; ethics in finance; ethics and human resource management; ethics and information technology; ethical theories and approaches; intellectual property rights like designs, patents, trade marks and copyrights.
UNIT 4: ☐ Global industrial competition; information technology; competitive strategy; benchmarking; total quality management; brand building;
UNIT 5: promotional strategies; corporate restructuring; mergers and acquisitions; supply chain management; horizontal organizations; diversifications; the Indian scene
Compulsory Text S K Bhatia, <i>Business Ethics and Managerial Values</i> (New Delhi: Deep and Deep Publishers, 2000)

Recommended Text

□ U C Mathur, Corporate Governance and Business Ethics (New Delhi: McMillan)
 □ S SIyer, Managing for Value (New Delhi: New Age Publishers, 2002)



MBA-N233 Entrepreneurship Development

Course Objective The objective of this paper is to familiarize the participants with concepts, techniques and skills of entrepreneurship and enable them to become successful entrepreneurs Teaching Methodology A mix of conceptual lectures, case studies, and discussions Course Outline Content
UNIT 1: ☐ Entrepreneurship; definition of entrepreneur; internal and external factors; functions of an entrepreneur; entrepreneurial motivation and barriers; classification of entrepreneurship
$\hfill\Box$ Theory of entrepreneurship; concept of entrepreneurship; development of entrepreneurship; culture; stages in the entrepreneurial process
UNIT 2: ☐ Family and non-family entrepreneurs; role of professionals; professionalism versus family entrepreneurs; role of women entrepreneurs; successful entrepreneurs
UNIT 3: ☐ Feasibility analysis; economic, marketing, financial and technical feasibility; project planning; evaluation, monitoring and control of projects; segmentation
☐ Creativity and the entrepreneurial plan; idea generation, screening and project identification; creative performance; creative problem solving; heuristics, brainstorming, synectics, value analysis and innovation
UNIT 4: ☐ Institutional support for new ventures; supporting organizations; incentives and facilities; financial institutions; small scale industries; government policies for SSIs Venture capital; nature and overview; venture capital process; locating venture capitalists
UNIT 5: ☐ International entrepreneurship opportunities; the nature of international entrepreneurship; importance of international issues to the firm; international versus domestic entrepreneurship; stages of economic development
Compulsory Text M J Dollinger, Entrepreneurship (New Delhi: Prentice-Hall, 1999)
Recommended Text
☐ Nina Jacob, Creativity in Organisations(New Delhi: Wheeler, 1998) ☐ Holt, Entrepreneurship: New Venture Creation (New Delhi: Prentice-Hall. 1998)



BBA-N233 IndustrialLaw

CourseObjectives:Toacquireknowledgeandunderstandingof IndustrialLaw.

UNIT1-LawRelatedtoSpecificIndustry:

TheFactoryAct, 1948

Interpretation, Objective and scope of the act, approval, licensing and registration of Factories, the inspecting staff, health, safety, provision relating to hazardous process, welfare, working hours of adults, employment of young persons, additional provision regulating employment of women in a factory, annual leave with wages.

UNIT2- LawRelatedtoWages:

The Minimum Wages Act, 1948: Important Definition, fix at ion of minimum wages, objectives and procedure, wages for overtime.

The Payment of BonusAct, 1965: Object, Scope and application of the Act, definition, establishmentto included epartment, undertaking and branches, eligibility for Bonus, Rec overyof the Bonus Due from an Employer, Time Limit for Payment of Bonus.

UNIT3- LawRelatedtoSocialSecurities:

The Workman Compensation Act, 1923: Definition, employer's liability for compensation, distribution of compensation, notice and claim.

The Payment of Gratuity Act, 1972: Introduction, definition, Determination of Gratuity, Protection of Gratuity, Nomination, deduction and for feiture of Gratuity, recovery of Gratuity.

The Employee's Provident Fund Act, 1952: Definition, Employees Provident Fund Scheme, contribution and matters provided for in the scheme. Mode of recovery of moneys due from Employees.

UNIT4- Law Relatedto equalityand empowermentofWomen:

The maternity Benefit Act,1961: Definition, employment of or work by women prohibitedduring certain periods, right to payment of maternity benefits, notice of claim for maternitybenefit, penaltyfor contravention of act by employer.

The Equal Remuneration Act, 1976: Object and Scope, Definition, duty of employer to payequal remuneration to men and women workers for same work or work of a similar nature, authorities for hearing and deciding claims and complaints, maintenance of registers, penalty.

UNIT5- LawRelatedto IndustrialRelation:

The Trade Union Act, 1926: Definition, Registration of Trade Unions, Rights and Liability of Register ed Trade Unions, Regulations, Penalties and Procedures.

TheIndustrialDisputeAct,1947:Definition,AuthorityUnderThisAct,ReferencesofDisput es to Boards, Courts or Tribunals, Procedures, Powers and Duties of Authorities, StrikeandLock-Outs,Lay-off and Retrenchment.

References:

- Y S.S. Gulshan& G.K. Kapoor: Economic, Labour and Industrial Law; Sultan Chand&Sons,23, Daryaganj, New Delhi-2.
- Y N.D. Kapoor: Handbook of Industrial Law; Sultan Chand & Sons, 23, Daryaganj, New Delhi-2.
- Y P.L.Malik: Industrial Law; Eastern Book Company, 34, Lalbagh, Lucknow.
- Y P.K.Padhi: Labourand Industrial Laws; Prentice HallofIndia Pvt. Ltd, New Delhi



EXT-113 Human Value and Ethics 1(1+0)

Theory

Values and Ethics-An Introduction.Goal and Mission of Life.Vision of Life.Principles and Philosophy.Self Exploration.Self Awareness.Self Satisfaction.Decision Making.Motivation.Sensitivity.Success.Selfless Service.Case Study of Ethical Lives.Positive Spirit.Body, Mind and Soul.Attachment and Detachment.Spirituality Quotient.Examination.

Reference/ Suggested Readings:

- Narayanan, P., Intellectual Property Law, Eastern Law House (2007) 3rded.
- Tripathi A.N., Human Values, New Age International (P) Ltd (2008).
- Robbins, S.P., Organizational Behavior,
- Prentice Hall of India (2007)8thed.
- Journal of Intellectual Property Rights, published by National Institute of Science

BP505T.PHARMACEUTICALJURISPRUDENCE(Theory)

Scope: This course is designed to impart basic knowledge on important legislations related to the profession of pharmacy in India.

45Hours

Objectives: Upon completion of the course, the students hall be able to understand:

- ThePharmaceuticallegislationsandtheirimplicationsinthedevelopment andmarketingofpharmaceuticals.
- 2. VariousIndianpharmaceuticalActsandLaws
- 3. Theregulatoryauthorities and agencies governing them anufacture and sale of pharmaceuticals
- 4. Thecodeofethicsduringthepharmaceuticalpractice

CourseContent:

UNIT-I 10Hours

DrugsandCosmeticsAct,1940anditsrules1945:

 $Objectives, Definitions, Legal definitions of schedules to the Act and Rule \\ s$

Import of drugs - Classes of drugs and cosmetics prohibited from import, Import underlicenseorpermit.Offencesandpenalties.

Manufactureofdrugs-Prohibitionofmanufactureandsaleofcertaindrugs,

Conditionsforgrantoflicenseandconditionsoflicenseformanufactureofdrugs, Manufacture of drugs for test, examination and analysis, manufacture of new drug, loanlicenseandrepackinglicense.

UNIT-II 10Hours

DrugsandCosmeticsAct,1940anditsrules1945.

Detailed study of Schedule G, H, M, N, P,T,U, V, X, Y,Part XII B, Sch F & DMR (OA)SaleofDrugs-

Wholesale, Retails ale and Restricted license. Offences and penalties

Labeling & Packing of drugs- General labeling requirements and specimen labels fordrugsandcosmetics, Listofpermittedcolors. Offences and penalties.

Administration of the Act and Rules – Drugs Technical Advisory Board, Central drugsLaboratory, Drugs Consultative Committee, Government druganalysts, Licensin gauthorities, controlling authorities, Drugs Inspectors

PharmacyAct—

1948:Objectives, Definitions, Pharmacy Council of India; its constitution and functions, Education Regulations, State and Jointstate pharmacy councils; constitution and functions, Registration of Pharmacists, Offence and

Penalties

- Medicinal and Toilet Preparation Act –1955:Objectives, Definitions, Licensing, Manufacture Inbondand Outsidebond, Export of alcoholic preparations, Manufacture of Ayurvedic, Homeopathic, Patent & Proprietary Preparations. Offen cesand Penalties.
- NarcoticDrugsand PsychotropicsubstancesAct-1985and Rules:Objectives,Definitions,AuthoritiesandOfficers,ConstitutionandFunction sofnarcotic&PsychotropicConsultativeCommittee,NationalFundforControlling theDrugAbuse,Prohibition,ControlandRegulation,opiumpoppycultivationandpr oductionofpoppystraw,manufacture,saleandexportofopium,OffencesandPenalti es

UNIT-IV

08Hours

- StudyofSalientFeaturesofDrugsandMagicRemedies Act and itsrules:Objectives,Definitions,Prohibitionofcertainadvertisements,ClassesofE xemptedadvertisements,OffencesandPenalties
- Prevention of Cruelty to animals Act-1960: Objectives, Definitions, InstitutionalAnimalEthicsCommittee,CPCSEAguidelinesforBreedingandStock ingofAnimals,PerformanceofExperiments,Transferandacquisitionofanimalsfor experiment,Records,Powertosuspendorrevokeregistration,OffencesandPenaltie
- NationalPharmaceuticalPricingAuthority:DrugsPriceControlOrder(DPCO) 2013.Objectives,Definitions,Salepricesofbulkdrugs,Retailpriceofformulations,Retailpriceandceilingpriceofscheduledformulations,NationalListofEssential Medicines(NLEM)

UNIT-V

07Hours

 Pharmaceutical Legislations – A brief review, Introduction, Study of drugs enquirycommittee, Healthsurveyanddevelopmentcommittee, Hathicommitteean dMudaliarcommittee

- Code of Pharmaceutical ethics D efinition, Pharmacist in relation to his job, trade, medical profession and his profession, Pharmacist's oath
- MedicalTerminationofPregnancyAct
- RighttoInformationAct
- IntroductiontoIntellectualPropertyRights(IPR)

Recommendedbooks:(LatestEdition)

- 1. ForensicPharmacybyB.Suresh
- 2. TextbookofForensicPharmacybyB.M.Mithal
- 3. Handbookofdruglaw-byM.L.Mehra
- 4. AtextbookofForensicPharmacybyN.K.Jain
- 5. DrugsandCosmeticsAct/RulesbyGovt.ofIndiapublications.
- $6. \ Medicinal and Toil et preparations act 1955 by Govt. of India publications.$
- 7. NarcoticdrugsandpsychotropicsubstancesactbyGovt.ofIndiapublications
- 8. DrugsandMagicRemediesactbyGovt.ofIndiapublication
- 9.BareActsofthesaidlawspublishedbyGovernment.Referencebooks(Theory)

