

LESSON PLAN

NAME OF FACULTY : SOHAN PATI
DISCIPLINE : ARCHITECTURAL ASSISTANTSHIP
SEMESTER : 6th
SUBJECT : LANDSCAPE DESIGN (ELECTIVE-I)
LESSON PLAN DURATION : 15 WEEKS
WORK LOAD (LECTURE/PRACTICAL) : 3 PERIODS
PER WEEK

WEEK	THEORY	
	LECTURE DAY	TOPIC
1ST	1	Elements of Landscape a) Plants (Trees, shrubs, ground covers, Flowering species, climbers)
	2	b) Water
	3	c) Earth forms
2ND	4	d) stones
	5	e) Artificial elements
	6	f) man-made elements
3RD	7	Explain of principles of landscape design
	8	Explain landscape design with respect to architectural functions
	9	Architectural functions a) Form
4TH	10	b) Symmetry
	11	c) Balance
	12	d) Texture

5TH	13	e) Colour
	14	f) Contrast
	15	SESSIONAL TEST-1
6TH	16	g) Proportions
	17	h) scale
	18	i) Simplicity
7TH	19	j) Focus
	20	k) Rhythm
	21	l) Aesthetics (Visual aspects)
8TH	22	m) Aesthetics (functional aspects)
	23	Explain Relationship of landscape & climate
	24	Relationship of landscape & climate a) Orientation
9TH	25	b) Sun Control by Plants
	26	c) Wind control by plants
	27	d) Microclimate Human comfort
10TH	28	e) Human comfort
	29	Outdoor functional spaces
	30	SESSIONAL TEST-2
11TH	31	Importance of outdoor functional spaces in landscape design
	32	Outdoor functional spaces with respect to different building types.
	33	Outdoor functional spaces with respect to different building types
12TH	34	Outdoor functional spaces with respect to different building types

	35	Various types of gardens :- Japanese gardens,
	36	Mughal gardens
13TH	37	Topiary gardens
	38	Importance of different types of gardens in landscape design
	39	Landscape design of an outdoor area within an existing building
14TH	40	Landscape design of an outdoor area within an group of Buildings
	41	Landscape design of an outdoor area within an Park design
	42	Landscape design of the architectural design project students are currently working on.
15TH	43	Work on architectural design project
	44	Representation of Landscape drawings
	45	SESSIONAL TEST-3

LESSON PLAN

NAME OF THE FACULTY : KUSUM DEVI
 DISIPLINE : ARCHITECTURAL ASSISTANTSHIP
 SEMESTER : 6th
 SUBJECT : ENTREPRENEURSHIP DEVELOPMENT AND MANAGEMENT
 LESSION PLAN DURATION : 15 WEEKS
 WORK LOAD PER WEEK : 03

Week	Theory	
	Lecture Day	Topic
1 ST	1	Concept of Entrepreneurship
	2	Meaning of Entrepreneurship
	3	Need of Entrepreneurship
2 ND	4	Qualities of Entrepreneur
	5	Functions of Entrepreneur
	6	Barriers inv Eentreprenurship
3 RD	7	Sole proprietorship of business organisations
	8	Partnership forms of business organisations
	9	Schemes of assistance by entrepreneurial support agencies at National, State, District –level, organisation: NSIC, NRDC,
4 TH	10	DC, MSME, SIDBI, NABARD,
	11	Commercial Banks, SFC's TCO
	12	KVIB, DIC
5 TH	13	Technology Business Incubators (TBI)
	14	Science and Technology Entrepreneur Parks
	15	SESSIONAL TEST-1
6 TH	16	Market Survey and Opportunity Identification * Scanning of the business environment

	17	Salient features of National
	18	State industrial policies for business environment
7TH	19	Types of market survey
	20	Conduct of market survey
	21	Assessment of demand in potential areas of growth
8TH	22	Assessment of Supply in potential areas of growth
	23	Identifying business opportunity
	24	Considerations in product selection
9TH	25	Project report Preparation Preliminary project report
	26	How to prepare Project report
	27	Detailed project report including technical
10TH	28	Detailed project report including economic
	29	Detailed project report including market feasibility
	30	SESSIONAL TEST-2
11TH	31	Common errors in project report preparations
	32	Exercises on preparation of project report
	33	Definitions and importance of management Functions of management: Importance and process of planning, organising, staffing, directing and controlling
12TH	34	Principles of management (Henri Fayol, F.W. Taylor)
	35	Concept and structure of an organisation
	36	Types of industrial organisations a) Line organisation b) Line and staff organisation c) Functional Organisation

13TH	37	Leadership and Motivation a) Leadership <ul style="list-style-type: none"> •• Definition and Need •• Qualities and functions of a leader •• Manager Vs leader •• Types of leadership
	38	b) Motivation <ul style="list-style-type: none"> •• Definitions and characteristics •• Factors affecting motivation •• Theories of motivation (Maslow, Herzberg, Douglas, McGregor)
	39	Management Scope in Different Areas a) Human Resource Management <ul style="list-style-type: none"> •• Introduction and objective •• Introduction to Man power planning, recruitment and selection •• Introduction to performance appraisal methods b) Material and Store Management <ul style="list-style-type: none"> •• Introduction functions, and objectives •• ABC Analysis and EOQ
14TH	40	c) Marketing and sales <ul style="list-style-type: none"> •• Introduction, importance, and its functions •• Physical distribution •• Introduction to promotion mix •• Sales promotion
	41	d) Financial Management <ul style="list-style-type: none"> •• Introductions, importance and its functions •• Elementary knowledge of income tax, sales tax, excise duty, custom duty and VAT1
	42	Miscellaneous Topics a) Customer Relation Management (CRM) <ul style="list-style-type: none"> •• Definition and need •• Types of CRM
15TH	43	b) Total Quality Management (TQM) <ul style="list-style-type: none"> •• Statistical process control •• Total employees Involvement •• Just in time (JIT)
	44	c) Intellectual Property Right (IPR) <ul style="list-style-type: none"> •• Introductions, definition and its importance •• Infringement related to patents, copy right, trade mark
	45	SESSIONAL TEST-3

LESSON PLAN

NAME OF THE FACULTY : SOHAN PATI

DISCIPLINE : ARCHITECTURAL ASSISTANTSHIP

SEMESTER : 6th

SUBJECT : QUANTITY SURVEYING AND VALUATION

LESSION PLAN DURATION : 15 WEEKS

WORK LOAD PER WEEK : 05

Week	Theory	
	Lecture Day	Topic
1 ST	1	Introduction to quantity surveying and its importance.
	2	Duties of quantity surveyor
	3	Types of estimates • Preliminary estimates - Plinth area estimate
	4	- Cubic rate estimate - Estimate per unit base
	5	Detailed estimates - Definition
2 ND	6	- Stages of preparation – details of measurement and calculation of quantities and abstract
	7	Measurement Units of measurement for various items of work as per BIS:1200
	8	Rules for measurements
	9	Different methods of taking out quantities – centre line method
	10	Different methods of taking out quantities – short wall and long wall method
3 RD	11	Preparation of Detailed and Abstract Estimates from Drawings A small residential building with a flat roof
	12	Temporary shelters
	13	Temporary sheds
	14	Water supply lines for a house
	15	Sanitary supply fittings

4TH	16	Water supply fittings
	17	Septic tank for a domestic building
	18	Explain Roads/streets network of group housing project
	19	Explain Roads/streets network of group housing project RCC work in footing
	20	SESSIONAL TEST-1
5TH	21	Roads/streets network of group housing project RCC work in beams
	22	Roads/streets network of group housing project RCC work in slab
	23	Roads/streets network of group housing project RCC work in column
	24	Roads/streets network of group housing project RCC work in lintel
	25	Calculation of quantities of materials from working drawings Cement mortars of different proportion
6TH	26	Cement concrete of different proportion
	27	Brick masonry in cement mortar
	28	Plastering and pointing
	29	Painting and polishing
	30	Steel reinforcement of RCC elements – Beam
7TH	31	Steel reinforcement of RCC elements _ Lintels
	32	Steel reinforcement of RCC elements – Slab
	33	Steel reinforcement of RCC elements – Column
	34	Analysis of Rates Steps involved in the analysis of rates. Requirement of material
	35	Steps involved in the analysis of rates. - labour
8TH	36	Steps involved in the analysis of rates. - Sundrie
	37	Steps involved in the analysis of rates - contractor's profit and overheads
	38	Analysis of rates for finished items when data regarding labour, rates of material and labour is given: - Earthwork in excavation hard.
	39	Analysis of rates for finished items when data regarding labour, rates of material and labour is given: - Ordinary soil and filling with a concept of lead and lift

	40	Analysis of rates for finished items when data regarding labour, rates of material and labour is given: - Cement concrete in foundation
9TH	41	SESSIONAL TEST-2
	42	Analysis of rates for finished items when data regarding labour, rates of material and labour is given: - RCC in roof slab
	43	Analysis of rates for finished items when data regarding labour, rates of material and labour is given: - Brick masonry in cement mortar
	44	Analysis of rates for finished items when data regarding labour, rates of material and labour is given: - Cement Plaster
	45	Analysis of rates for finished items when data regarding labour, rates of material and labour is given: - Painting and polishing
10TH	46	Running and maintenance cost of construction equipment 7 Measurement Book and Billing Entries in measurement book
	47	Standard measurement book
	48	Checking of measurement
	49	Preparation of bill
	50	First and final bill
11TH	51	Running account bill
	52	Advance payment, secured advance payment
	53	Refund of security money
	54	Valuation Purpose of valuation, principles of valuation
	55	Valuation Definition of various terms related to valuation like – depreciation, sinking fund
12TH	56	Salvage and scrap value
	57	Market value, fair rent, year's purchase etc
	58	Methods of valuation - Replacement cost method
	59	Methods of valuation - Rental return method
	60	. Contractorship - Meaning of contract

13TH	61	. Contractorship - Qualities of a good contractor and their qualifications
	62	. Contractorship - Essentials of a contract
	63	. Contractorship - Types of contracts, their advantages, dis-advantages and suitability, system of payment
	64	. Contractorship - Single and two cover-bids; tender, tender forms and documents, tender notice,
	65	Submission of tender and deposit of earnest money, security deposit, retention money, maintenance period
14TH	66	Preparation of Tender Document based on Common Schedule Rates (CSR) - Introduction to CSR and calculation of cost based on premium on CSR Specifications
	67	General and detailed specifications of : Single storey buildings
	68	Double storey buildings
	69	General specification 1st, 2nd, 3rd and 4th class buildings Exercises on writing detailed specifications of different types of building works from excavation to foundations, superstructure and finishing operation
	70	- Exercises on preparing tender documents for the following : a) Earth work
15TH	71	b) Construction of a small house as per given drawing c) RCC works
	72	d) Pointing, plastering and flooring e) White-washing, distempering and painting
	73	f) Wood work including polishing g) Sanitary and water supply installations
	74	h) False ceiling, aluminum (glazed) partitioning i) Tile flooring including base course
	75	SESSIONAL TEST-3

LESSON PLAN

NAME OF THE FACULTY : KUSUM DEVI
 DISIPLINE : ARCHITECTURAL ASSISTANTSHIP
 SEMESTER : 6th
 SUBJECT : INTERIOR DESIGN (ELECTIVE-II)
 LESSION PLAN DURATION : 15 WEEKS
 WORK LOAD PER WEEK : 03

Week	Practical	
	Practical Day	Topic
1ST	1	Introduction to interior design and its scope, general awareness to the subject and discussion.
	2	Principal of interior design, Function spaces, Durability of various elements, aesthetics, economy.
	3	Minimum dimensions for various functions with respect to Human Body's action
2ND	4	Planning for interior decoration, factors effecting the interior decoration, Functionalism and comfort, aesthetics and elements of aesthetics(Point, Line)
	5	Form, Texture, Proportion, Rhythm, Balance, background, colour, landscape, composition, circulation as elements of interior design.
	6	Colour and its role in interior decoration, elements of colour, psychological impact of colour, Basic principal of colour decoration, colour schemes.
3RD	7	Landscape on interior decoration, various types of plans for indoor decoration, containers and artificial plants and flowers.
	8	Storage spaces in interiors. (Kitchen, Bedrooms, Living rooms, Storage in term of wall units)
	9	Light as an element of interior duration different types of lighting fixtures(sketches)
4TH	10	Material and surfaces(wall finishes, floor covering materials, curtains and upholstery) materials for furniture.
	11	Site for visit for market survey of materials available in (Home alignment in form of report/ materials collector)
	12	Site for visit for market survey of materials available in (Home alignment in form of report/ materials collector)

5TH	13	Site for visit for market survey of materials available in (Home alignment in form of report/ materials collector)
	14	Space Analysis of living room, Dining & Kitchens
	15	Sheet No. 1
6TH	16	SESSIONAL TEST-1
	17	Sheet No. 2 Space Analysis of Bedrooms, Children Bedrooms , Toilets
	18	Sheet No. 3 Space Analysis of restaurants
7TH	19	Sheet No. 4 Space Analysis of Offices Lobbies
	20	Sheet No. 4 Space Analysis of Offices Lobbies
	21	Sheet No. 5 Space Analysis of Shops
8TH	22	Site visit for ease study of restaurant / Fast Food(On site sketches to be made / photographs)
	23	Site visit for ease study of restaurant / Fast Food(On site sketches to be made / photographs)
	24	Site visit for ease study of restaurant / Fast Food(On site sketches to be made / photographs)
9TH	25	Report making of case study
	26	Report making of case study
	27	Report making of case study
10TH	28	SESSIONAL TEST-2
	29	Sheet No. 6 Detail of furniture & storage
	30	Sheet No. 6 Detail of furniture & storage
11TH	31	Sheet No. 6 Detail of furniture & storage
	32	Sheet No. 7, 8 & 9 Detail of partition, false ceiling and paneling
	33	Sheet No. 7, 8 & 9 Detail of partition, false ceiling and paneling
12TH	34	Sheet No. 7, 8 & 9 Detail of partition, false ceiling and paneling
	35	Sheet No. 7, 8 & 9 Detail of partition, false ceiling and paneling
	36	Sheet No. 7, 8 & 9

		Detail of partition, false ceiling and paneling
13TH	37	Electrical layout in interiors
	38	Electrical layout in interiors
	39	Project work of restaurants (Detailed plan showing furniture, Indoor plants)
14TH	40	Furniture layout, Sectional elevations showing wall treatment (colour schemes)
	41	Furniture layout, Sectional elevations showing wall treatment (colour schemes)
	42	Furniture layout, Sectional elevations showing wall treatment (colour schemes)
15TH	43	One point perspective
	44	Details of furniture, storage, Partition, False ceiling.
	45	SESSIONAL TEST-3

LESSON PLAN

NAME OF THE FACULTY : SOHAN PATI
 DISIPLINE : ARCHITECTURAL ASSISTANTSHIP
 SEMESTER : 6th
 SUBJECT : PORTFOLIO
 (MAJOR PROJECT) &
 PROFESSIO
 NAL
 TRAINING
 LESSION PLAN DURATION : 15 WEEKSWORK LOAD PER WEEK :

WEEK	PRACTICAL	
	PRACTICAL DAY	TOPIC
1ST	1	Introduction about various topics. Group Formation. Synopsis from the individual group.
2nd	2	Library study. Visit to Library
3RD	3	Collect effective data. Consolidate report of library study. Checking of library study of individual group.
4TH	4	Site visit. Allotment of letter for Site visit.
5TH	5	Site visit report submission. Report checking.
6TH	6	Define Concept
7TH	7	Final Report submission
8TH	8	Rough floor plan and Site Plan Final floor plan
9TH	9	Rough elevation submission Final elevation submission
10TH	10	Final Floor Plans
11TH	11	Elevations & Sections
12TH	12	Working Drawings
13TH	13	Presentation Drawings
14TH	14	Model preparation
15TH	15	Model submission