Bmcl.(B)27 PA 59/89 DETAILED SYLLABUS TO BE-BROUGHT IN FORCE FROM ACADEMIC SESSION 1989-90 i.e. JUNE 1989. SECOND YEAR EXAMINATION IN ARCHITECTURE (S.Y.B.ARCH.) SEMESTER III

Admission : A candidate who has dompleted the course of Semester I and Semester II and cleared the examinations of Semester I and Semester II as per University rules of passing in force will be permitted to enter upon the course for Semester III.

Rules of Examination : A candidate for being eligible for admission to the Semester III examination in Architecture should have kept attendance and prepared the Sessional work of III Semester of one academic term in a College of Architecture in the III Semester of Second Year Course to the satisfaction of the Principal of the College.

To pass this examination a candidate must secure forty percent of the full marks in Theory paper and fifty percent of the full marks in the Sessional work both forming independent subject heads.

A candidate who has obtained passing marks as mentioned above may at his option, be execused from appearing in that subject at a subsequent examination and will be declared to have passed the whole examination when he has passed in the remaining subject heads of the subsequent examination in accordance with the rules of passing the examination.

Detailed Syllabus : Second Year Bachelor of Architecture Degree Course (S.Y.B.ARCH. ; SEMESTER III)

01. ARCHITECTURAL DESIGN II (S.Y.B.ARCH, SEM.III)

Paper: 100 Marks - 6 hrs. Sessional Work : 100 Marks Lecture Periods - 1 per week Studio Periods - 7 per week

Objective .: To help students identifying the multiple function single use and multiple use architectural design problems and conceiving and presenting the appropriate solutions based on the related knowledge acquired.

Course Outline :

- Study and use of design data i.e. spatial requirements of differ. activities.
- 2. Multi functional space concept, analysis and design.
- 3. Identifying inter-relationship of functions in a building.
- 4. Organisation of spaces in a building in terms of-their, micro climatic and functional requirement.
- 5. Design of buildings involving multiple functions and uses.Preferab ground Storied structure e.g. small residenses, panchayat, office, kinder garten etc. Minimum two design projects to be executed.

Recommended reading :

- 01. R.J.Metric Handbook
- 02. Tropical Architecture by Drew-Jane & Fry
- 03. Planning by E & OE
 04. Housing Climate & Comfort by Evan
 05. Periodicals and Journals.

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02. AESTHETICS AND APPRAISAL I (S.Y.B.ARCH. SEM.III)

Paper : Nil Sessional Work : 50 Marks Lecture Periods - 1 per week Studio Periods - 1 per week

Objective: To help student understand the genesis of 'Architectural Form' as a derivative of Principal visual components of 'built environ' like 'Form' and 'Colour' composed along accepted pertinent norms of visual aesthetics so as to develop in him a well-informed aesthetic judgement on visual merits of 'Architectural Form':

Course Outline :

Understanding the human perception of 'Form' and Colour as

- Form:
 i) Understanding for critical appraisal the visual perceptic.
 of 'Architectural/Built form' in terms of 'Visual elements'
 and 'Visual Qualities' as follows
 - a) Visual elements Point, line, surface and opening
 - b) Visual Qualities Mass, proportion, symmetry balance and contrast.
 - ii) Understanding accepted principles and systems for moderative 'Form' into patterns and compositions leading to the understanding of accepted terms of 'Visual order'.
- Colour: Understanding for critical appraisal accepted theories, properties, classificatory and design schemes of colour and understanding the effects of light, surround and psychological motives on 'Colour'.
- Note: The minimum sessional work to be conducted in the form of written journal and/or drawing plates per student as per course material.

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Recommend/reading :

01. Design Fundamentals in Architecture by V.S.Pramar

02. The use of colour in interiors by A.P.Halse.

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03. ARCHITECTURAL DRAWING AND GRAPH.CS III (S.Y.B.ARCH. SEM.TII)

Paper : 100 Marks - 3 hours Sessional Work : 100 Marks

Lecture Periods - Nil Studio Periods - 6 per week

Objective : To acquaint students in three dimensional representation of object in graphics through enhancement of projections. To develop , about three dimensional graphic understanding language for communication and presentation.

Course Outline :

a) Perspective Drawing: Historical Background regarding techniques of drawing perspectives. Principles of perspective Drawing. Study of Definitions, Picture Plane, Central Visual Ray, Vanishing Parallel, Eye-level, Height line, Vanishing points. Systems and Methods of Porspective Drawing - One point, two points, three points perspectives. Types of perspectives - Interior & Exterior perspectives. Application of the above to the Architectural Design Solutions. Sessional work covering all the above aspects in the form of drawings.

1. Perspectives of parallel, vertical, horizontal, straight, Sheet :

polygonal and circular planes.

2. Perspectives of simple solid geometrical forms.

3. Perspectives of composite geometrical forms.

4. Perspectives of buildings (at least one will be of Architectural Design Solution)

5. Perspective presentation techniques.

b) Sciography: Principles of shades and shadows. Techniques of drawing shades and shadows of lines, planes solids and architectural shading and colouring using transparent and opaque elements Foncil colours. Study of Drawing shadows in Isometric view and perspective Sessional Work covering all the above in the form of drawings.

The sessional work consists of following ____

Sheet

- Shades and shadows of point, line and planes.
 Shades and shadows of parallel lines and planes.
 Shades and shadows of planes partly on ground/horizontal. plane and partly on vertical plane/elevation.
- 4. Shades and shadows of solic geometrical objects on vertical, horizontal and partly vertical and partly
- horizontal planes of 5. Shades and shadows buildings on elevation and plan One project shall be related to respective design solution.

Recommended readings :

- 01. Architectural Graphics by C. Weslie Martin
- 02. Rendering with pen and ink by Gill Robert
- 03. Applied perspective Holmes John M.
- 04. Perspective for the Architects Themes & Hadson
- 05. Step by step perspective drawing + for Architects draftsmen and engineers - Claudius Coulin.
- 06. Professional perspective drawing for architects and engineers-Friedrich W.Capelle
- 07. Interior perspective in architectural design Graphic Sha Publishing Co.Ltd. Japan
- 08. Modern architectural Rendering best 180 09. Perspective Drawings of Modern Architecture
- Air brushing in rendering

Japan Publishing Co.

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04. BUILDING TECHNOLOGY AND MATERIALS III (S.Y.B.ARCH. SEM.III)

Paper: 100 Marks - 3 hrs. Sessional Work: 100 Marks

Lecture Periods - 2 per week Studio Periods ~ 5 per week

Objective: To study and apply the principle of complex building elements in building technology.

Course Outline :

a) Concept of point load and suitable foundation for point load.

Foundations for sloping sites. Timbering and strutting.
b) Cement concrete block masonry with solid or hollow blocks, soil stabilised blocks, mud masonry.
c) Brick vaults and fomes, concrete lintels, arches and weather sheds.
d) T.W. Panelled, Glazed, Glazed and Panelled Windows and doors.

e) More about timber flooring, Specialised timber flooring such as dance floors, sportshall floors.

f) More about timber trusses. Use of steel, wood and concrete to form composite section and use of same in more complex situations. Fixinof A.C., G.I.Sheets etc.

Materials : Cement mortar and lime mortar. Pointing to stone and brick masonry. Plastering - Internal plaster with neeru finish external sandfaced, rough cast, pebble dash . Damp proof Course - Different materials and their application. Paints - Paints for interior and exterior plastered surfaces. Painting on new and old metal surfaces Paving - Natural Stone, cutstone, cobble stone, flagstone, (Shahabad, Cudappa, Kotah, Marble, Granite etc.) IPS Finish Concrete-type of aggregates, mixes, strength, testing etc.

The sessional work consists of following full imperial size drawings.

Foundation - 1 plate

- C.C. Block masonry, brick vaults, domes, concrete, lintels, arches and weather shed 1 plate
- 3. T.W. Doors and Windows 2 plates

4. Timber, Flooring - 1 plate 5. Timber Trusses - 1 plate

above including

Note: Sketches, notes etc. on all topics covered / building materia

Recommended reading :

01. Construction of building vol.I to V by Barry 02. Construction Technology vol. I to IV by R.Chudley 03. Building Construction Illustated by Ching Francis D.K. 04. Vasturachana by Sane 可读或可以可以使用的 对于可以使用的 对于可以使用的 Materials by Chaudhary 05. Engineering Materials by Chaudhary

06. Civil Engineer hand book by Khanna

05. ENGINEERING III (S.Y.B.ARCH. SEM.III)

Lecture Periods .- 4 per week Paper: 100 Marks Studio Períods - 1 per week Sessional work : 50 Marks * (* Sessional work marks to include class test of 20 Marks and shear force and bending moment diagrams of continuous beams in the form of drawings 15 Marks and viva voce at the time of examination 15 Marks total 50 Marks)

Objective: To acquaint students in working out theoretically a stress strain conditions of stuructural elements.

- Engineering III (S.Y.B.ARCH. SEM.III) Cont.

Course Outline :

1. Laflection in simply supported beams and cantilevers (i) Double integration method (Problems of Full, Uniformly distributed load and point load only).

2. Concept of statically indeterminate structures. Degree of Indeter-

minency. 3. Propped cantilevers : Standard loadings.

4. Fixed and continuous beams : Theorem of three moments (without settlement of supports) Application with Full Uniformly distributed load and point load upto three spans.
5. Moment distribution method (without sway)

6. Short and long columns . Euler's formula (without derivation of formula)

Recommended Readings :

C1. Strength of Materials by R.S.Khurmi O2. Calculations, Design and Testing of Reinforced concrete by K.L.Rac

03. Analysis of structures by V.N.Vazirani & M.M.Ratwani

04. A Test book of R.C.C. Design by Deshpande R.S. 05. Treasure of R.C.C. Design by Sushil Kumar.

06. SURVEYING AND LEVELLING I (S.Y.B.ARCH. SEM.III)

Paper : 50 Marks - 2 hrs. Sessional Work : 50 Marks

Lecture Periods - 1 per week Studio Periods - 2 per week

Objective: To acquaint students in the physical survey work of open and buildings.

Course Outline :

1 Introduction to surveying and levelling for building project

2.Reading information on drawings and maps as prepared by land and

records departments.

3 Methods of surveying - a)Chain surveying, principles and methods, b)Chain and compass surveying c) Plane table surveying. Merits and . demerits of various methods, Errors in Plane table surveying a) Field (work of given property and preparation of maps by different methods as mentioned above b) Determination of areas of irregular figures by using trapezoidal & simpson's rule and by planimeter.

The sessional work consists of following (based on the field work) (i) Chain & Cross staff survey of a given area (ii) Chain and compass survey of a given area (iii) Planc ... table survey of a building (iv) Determination of an area of a given irregular figure by planimeter.

Recommended reading :

01. A Text book of surveying & levelling by R.S.Deshpance

02. Surveying and levelling Part I & II by Kanetkar T.P.&Kulkarni J.V.

03. Concise practical surveying by Lane R.F. and Cartin W.C.

04. Surveying by Ray mond S. and Banister A.

07. CLIM: TOLOGY (S.Y.B.ARCH. SEM.III)

Paper: 50 Marks - 2 hrs. Sessional Work , 50 Marks

Lecture Periods - 3 per week Studic Periods - Nil

Objective: To help student understand the use of surrounding environment as one of the stategic design parameters with respect to human comfort and energy conservation.

Theory and sessional work will be Note: performed and marked per student and in the sequential order as prescribed in not more than four sheets.

Course Outline :

 Introduction to climate as a factor of human shalter comfort and environment and its classification v/z Global, Macro and Micro climate. Preparation of skatches showing earth sun relationship and atmospheric pepletion. Understandingof maps showing of ocean currents, wind movement patterns and wind shifts with respect to seasonal changes.

2. Study, measurement and analysis of climatic elements and use of climatic instruments for a building designer. Study and analysis of tropical climates. Preparation of sketches of measuring instruments

and evolution of regional dwelling units.

3. Study of heat exchange processes between human body and its surfaced in with respect to comfort factors. Study of heat exchange processes between building everelope and its surrounding in static and dynamic conditions methods of calculations and use of technical tables. Preparation of bioclimatic chart superimposing the extension of comfort zone with respect to climatic conditions for tropical climate.
4. Design strategies for tropical climates with respect to climatic

elements, site landscape planning, orientation, openings building materials and shading pevices. Study of solar control with reference to sun movements and methods of calculating the sizes of vertical and horizontal shading devices with the help of shadow angles and solar protractor.

Pecommended reading :

Climatology Fundamentals and Applications by John R.Mather

2. Introduction to Building Climatology by Antony Seeley

3. Cliamatological and Solar Data for India by Sheshadri T.N. & Rao K.R.

Climatic Lesign by Watson Donald and Labs Kenneth
 Marual of Tropical Housing and Building by Recaigsberger and Ingersoll

Tropical architecture by Mawwell Fry and Jane Brow.

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08. HISTORY OF ARCHITECTURE AND HUMAN SETTLEMENTS II (S.Y.B.ARCH. SEM.III)

Paper: 50 Marks - 2 hrs. Sessional Work : 50 Marks

Lecture Periods - 3 pew week Studio Feriods - Nil

Objectives: Study of culture and Architecture of western Countries with broad reference to formative influences of major Architectural contribution in terms of themes in building types planning and urban design of following specific periods and historic buildings and towns.

Course Outline :

Periods

Building types and examples

EARLY CHRISTIAN & BYZANTINE : Churches : St. Feter (Old), Rome; St. Sophia Constantinople

ROMANESQUE

RENAISSANCE

Churches : Worm's Cathedral Campanile at

GOTHIC:

Pisa (S.Michele, Favia) Cathedrals : Salisbury, Rheims, S. Elizabeth

Malburg. Monastry : Fountains Abbey Parish Church . St.Andrews. Hekington Manor House : Penhurst place, Kent;

Oxburgh hall; compton Why wy yates; Chateu, Castles : Stoksay; keep; work worth.

Small houses Hospital : S.Mary, Chichester Commercial Bldgs.Towns : Carcassonne Noerdlingen Mont Pazier/Mr.Michel.

Palazzo : Riccardi, Florence; Municipo; Genoa Doges, Vanice, Chateu : Chambord

Tomb : Dome of the Invalides, Church · Fantheon, Paris; S.Peter, Rome St.Pauls, London: Dwellings and mansions Works of individual Architects:

a) Palladio - Villa Capra; S.Georgia b) Michal Angelo - The Capital

c) Inigo Jones - Queen's House, Greenwich Greenwich Hospital.

d) Christopher wren - city churches.

Sketching in examination will be restricted to the specific . Architectural examples dited above.

ecommended Reading :

- 1. History of Architecture, Sir Bannister Fletcher
- Urban Pettern, Gallion
- Towns in making

09. WORKSHOP III (S.Y.B.ARCH. SEM.III)

Paper : Nil Sessional Work : 50 Marks Lecture Periods - Nil

Studio Periods - 3 per week

Objective: To develop students ability of preparing scaled models. as an aid to develop visualisation of Architectural volumes and Design concepts.

Course Outline :

1. Introduction to Architectural Models.

2. Necessity of making architectural modess to different scales. 3. Equipments of model making - machines - hand driven and pewer driven. their introduction and use.

4. Materials used for modelling like mount board, corck sheets, plaster of paris, wood etc.

5. Illimination of building datails depending on the scale of model.

6. Making baseboards **ef** models.

Workshop III (S.Y.B.Arch. Sem.III) Contd.

At least one model will be prepared by the candidate of their Architectural Design II solution and one model of the Building Technology Topic.

Recommended Reading :

1. Model Building for Architects & Engineers by John Taylor 2. Architectural Models by Rolf Janke.

SECOND YEAR EXAMINATION IN ARCHITECTURE (S.Y.B.ARCH.) SEMESTER IV

Admission: A candidate who has completed the course of Semester III by attending one academic term of Semester III will be permitted to enter upon the course of Semester IV.

Rules Of Examination: A candidate for being eligible for admission to the Semester IV examination in Architecture should have kept attendance and prepared Sessional work for Semester III and IV in a College of Architecture to the satisfaction of the Frincipal of the College.

To pass the Semester IV examination a candidate must secure forty percent of the full marks in theory paper and fifty percent of the full marks in the Sessional Work both forming independent subject heads.

A candidate who has obtained passing marks as mentioned above may at his option be excused from appearing in that subject at a subsequent examination and will be declared to have passed the whole examination when he has passed in the remaining subject heads of the examination in accordance with the rules of passing examination.

Detailed Syllabus : Second Year Bachelor/Architecture Degree Course (S.Y.B.ARCH. : SEMESTER IV)

01. ARCHITECTURAL DESIGN III (S.Y.B.ARCH. SEM.IV)

Paper : 100 Marks - 9 hrs. Sessional Work : 100 Marks

Lecture Periods - 1 per week Studio Periods - 8 per week

Objective: To acquaint students to complex relationships of functions in a building and conceiving and presenting the appropriate solution based on the related knowledge acquired.

Course Outline :

1. Data collection and analysis of site conditions for individual building and campuses with reference to topography, macro & micro climate and landscape.

2. Three dimensional thinking and approach to analysis and solutions for a building using plan and section as tools to design.

3. Analysis of mixed use buildings and vertical circulation of not more than two stories such as Snops & residences, Apartments, Hostels etc.,

4. Importance of Aesthatics in Architecture & evolution of stylistic design.

5. Introduction to the designing of interior spaces of the above designs using walls, cailings and circulation as planning elements and use of colour, texture and materials in interior spaces.

Minimum two design projects to be executed.

Recommended reading :

1. As mentioned for Architectural Design II

2. Design Fundamentals by Pramar

- 3. Structure in Architecture by Salvadori
- 4. Library of contemporary Architects Series

5. Interior Design - by Friedmann, Pile Wilson Interior spaces designed by Architects - A.R. Book The use of colour in interiors - by Halse.

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02. AESTHETICS AND APPRAISAL II (SEMINARS) (S.Y.B.ARCH. SEM.IV)

Paper : Nil Sessional Work : 50 Marks

Lecture Periods - Nil Studio Periods - 3 per week

Objective: The develop in student a written and spoken expression of critical appraisal of 'Architectural form'.

Course Outline

Presenting verbally with prior written synopsis and whatever suitable aids one's own critical appraisals of at least 2 local buildings of sufficient complexwity and contribution, in architecture. The appraisals should be specifically made in the light of topics covered vide subjects 'Design Fundamentals in Architecture 1 & II' and Acsuhetics and Appraisal 1 and as per 'Course Eaterial'.

Note: The Sassional work in this subject will be wOrked individually per student after presentation of written synopsis and verbal appraisal (not morethan 10 minutes.)

The institutions will store the synopsis slaets for assessment by external examiners and the candidate will be additionally assessed at Viva-Voce by internal and external examiners.

Recent anded reading:

- 11. As centioned for Aestherics and Appraisal I
- Architectural Journals.

03. ARCHITECTURAL DRAWING & GRAPHICS IV (S.Y.B.ARCH. SEM.IV)

Paper : 100 Herks - 3 hours Cossional Work : 100 Marks

Lecture Periods - 3 per week Studio Periods - 5 per week

Objective: To acquaint students in three dimensional representation of object in graphics through enhancement of projections. To develop todarstanding of more knowledge about three cimensional graphic language lat communication and presentation.

Curse Outline :

- ** Presentation drawings : Composition of drawing (layout on paper)
 Lincoring of perspectives, Plans & Sections using ink, pencil, water
 colours oil/wax postels etc.
- b) Photography . Use of photography for architects, Camera, Film, light are lechniques. Techniques of recording a building on film. Use of the agreement in architectural design and presentation.
- Tosperer mided drawing. Introduction to computer Hardware, software 140 Model & Interfaces. Operating system software packages. Graphics a numbuter advantages, limitations. Actual use practicals using the computer aided design.
- 1 Iournative and sciography: Perspective Crawings of Architectural Form Solution. Shades and shadows of Architectural Design solutions.

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31. As mentioned for Architectural Drawing and Graphics III

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04. BUILDING TECHNOLOGY AND MATERIALS IV (S.Y.B.ARCH. SEM. IV)

Faper : 100 Marks - 3 hrs. . Sessional Work : 100 Marks

Lecture Periods - 2 per week Studio Periods - 5 per week

Objective: To study and apply the principle of complex building elements in building technology.

Course Outline :

 Concept of bulb of pressure, Foundation for low load bearing soils such as grillage etc.

 Fencing in different materials such as barbed wire, chainlink weldmesh, crimped mesh etc. using angle iron or concrete post Entrance gates.

 Introduction to R.C.C. frame structure with columns, footings plinth beams, floor beams slabs etc.

4. Timber framed structures of purely temporary nature such as cow shed, grain store, onion store etc. with anti-termite and rat-proof construction.

5. Various roofing and flooring systems developed by CBRI roorkee.

terials: Study of structural and reinforcing steel. R.C.C. - mix propertion, aggregate size, cover striking time, concrete cubes and testing. Formwork to various R.C.C. members. Paving - Cement tiles, mosaic tiles, terrazzo tiles, ceramic tiles etc.

The sessional work consists of following full imperial size

1. Pencing - 1. plate

2. F.C.C. frame structure - 2 plates

3. Timber framed structure - 1 plate

4. Roofing and Alooring systems developed by C.B.F.I. - 1 plate

Note: With notes, sketches etc. as all topics covered and building materials.

Recommended reading :

01. Construction of building vol.I to V by Barry

02. Construction Technology Vol.I to IV by R.Chudley Building Construction Illustated by Ching Francis D.K. Vasturachana by Sane पास्त्रियना लेखक श्री.सान

35. Engineering Materials by Chaudhary

06. Civil Engineer's hand book by Khanna.

05. ENGINEERING IV (S.Y.B.ARCH. SEM.IV)

Description 100 Marks - 3 hrs.

Description 1 Work: 50 Marks * Studio Periods - 2 per week

(* Sessional work marks to include class test of 20 Marks and shear

cords and bending moment diagrams of continuous beams in the form of

coawings 15 Marks and viva voce at the time of examination 15 Marks

that 50 Marks)

Or ective : To acquaint students in the critical analysis of structure

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ENGINEERING IV (S.Y.B.ARCH. SEM.IV) Contd.

Course Outline

1. Loads : Dead, live wind and earthquake

2. Analysis and Design of Simple beams : Timber and Fitched in details. 3. Elements of concrete technology introduction of R.C.C. : Materials,

proportions, Requirements like curing atc. for strength.

4. Analysis and design of single reinforced R.C.C. sections using mild steel and torsteel bars: R.C.C. Beems - Simply Supported and candilever, one way and two way simply supported slabs and cantilevered

5. Analysis and design of masonry walls and pillers.

6. Analysis and design of axially loaded E.C.C. Columns.

7. Analysis and design of Single storeyed load-bearing structure with single span R.C.C. sleb, beams, lintels and weather sheds.

Recommended Reading :

Same as mentioned for Engineering III

06. SURVEYING & LEVELLING II (S.Y.B.ARCH. SEM.IV)

Faper : 50 Marks - 2 hrs. Sessional Work : 50 Marks

Lecture Periods - 1 per week Studio Periods - 2 per week

Objective . To acquaint students in the process of ascertaining ground configuration through levelling methods and depicting the same on two dimensional drawings.

Course Outline :

1. Furpose and importance of levelling readings and preparation of

contour maps, symbols, tench marks, temparary adjustment
2. Measurements of elevations - levels, temparary adjustment simple differential Tocording in level field brok. Reduction of levels by collimation planes and rise sall methods Fly levelling, check levelling, profile levelling, cross sectioning reciprocal levelling. Contours methods of contouring, characteristics and us s of contour maps.

3. Theodolite: Use of theodolite, least count, verniers temporary and permanent adjustments, measurements of horizons by repeatition and reiteration method. Measurement of vertical angles lining-in prolonging

given line, checking verification etc.

Moto: The sessional work consists of folloing (Pased on field work) (i) Profile levelling and crossectining Nout 90 M length (ii) Block contouring of a given area (minimum size 60 M X 60 M) (iii) An exercise on the computations of a height of building/TV tower etc. by using a theodolite.

Reading:

11. A test book of surveying & levelling by R.S.Deshpance

Surveying and levelling Part I & II by Kanetkar T.P. & Kulkarni J.V.

33. Concise Practical Surveying by Lane R.F. and Cartin W.C.

14. Surveying by Raymond S. and Banister A.

07. HISTORY OF ARCHITECTURE & HUMAN SETTLEMENTS III (S.Y.B.ARCH.SEM.IV)

Paper : 50 Marks - 2:hrs. Studi Sessional Work : 50 Marks Lecture Periods - 3 per week Studio Periods - Nil

Objective: Study of culture and Architecture of India with broad reference to formative influences and major Architectural contribution in terms of themes in building types planning & urbandesign of following specific periods and building types and towns.

Course Outline :

<u>period</u>

INDUS VALLEY VEDIC PERIOD BUDDATET

HIMDU : EARLY CHALUKYAN DRAVILAN- - - - -

MIO ARYAN LATE CHALUKYAN

ILLAMIC : PATHANIIMPERIAL

FACHAN FROVINCIAL

Building types/Examples

• Town : Mohen-jo-daro : , village patterns

Stupas : Sanchi, Chaitys : Karla, Vihor

Monestry : Nalan≱de

Temples : Kailas, Ellora (Verul)

Temple : Sommathpur, Belur Temple : Vimal Shah, Vastupel - Tejpel - Aby;

Vastupel-TejpelGirner Chaumukh-Ranakpur

Mosque : Quat-U1-Islam, Khirki Masjid
Tomb : Iltumush, Mubarak Shah, Madarsa :
Hauz Khas.

Mosque : Jami, Ahmedabad; Jami; Gulburga.
Tomb : Said Usman, Gol Shet Sha Sher Shah Suri, Jbraham Rouza, Ciric Architecture : -

Dada-Halis Well, Adalaj Mosque : Jami, Sikri; Jami Delhi, Tombs : Humayun, Akbar, Itmed-UdDaulla , Tajmahal Fort Talacos: Rod fort Dolhi, Fatehpur Sikri; Ro al buildings: Sunhara Makan Bitbal house, Panch Mahal, Diwan I Mhas Jodhabai's Falaco, Sikri, Jahangir Mahal

Agra. Hindu Falaces . Jahangir Mahal Orchha Palace at Datia, Town : Jaipur Jaisalmer,

Shahjahanabad.

1. Indian Architecture (Buodhist & Hindu) by Perry Brown
2. Indian Architecture (Rw Islamic Period) by Perry Brown
3. Living Architecture (Indian) By Andreas Volwahsen
4. Living Architecture (Islamic Indian) By Andreas Valwahsen
4. The Design devalorment of Indian

. The Design development of Indian Architecture by Clande Batley Indian Architecture by E.B. Havell

Indien Architecture through ages E.B.Havell

. Mistory of Indian and Eastern Architecture Vol.I & II by Ferguson

08. LANDSCAFE L'ESIGN I (S.Y.B.AKCH. SEM.IV)

Papar : 50 Marks - 2 hrs. Sessional Work : 50 Marks

Lecture Periods - 2 per week Studio F riods - 1 per weck

Objective . To make the studence as understand the importance of Ecological belance, through landscape design for built envisymment.

Course Outline :

Introduction to landscape Architecture.

2. History - Devalopment of landscape Architecture through Ages.

Different specific conditions for plant growth.

Requirements of plant growth.

- 5. Indentification of minimum ten species of large trees, shrubs, ground covers, and conditions for growth of ground covers.
- 6. Ecological aspect of landscape design. Studio work to include preparation of Herbarium related to their area of application and one imperial sheet, drawing showing landscaping of their Architectural Design Project.

Recommended Reading :

Landscape Architecture by John Simonds

Sarthscaps

3. Dandscape for living by Garelt Ackbo

. Introduction to landscape Architecture lan laurie

5. Flowering trees of india - Randhawa

Journals on landscape Architecture.

WORKSHOP TY (S.Y.B.ARCH. SEM.IV)

1400m : Nil Sissional Work : 50 Marks Lecture Feriods - Nil Studio Turiods - 2 per week

Conjective: To develop students ability of preparing scaled models as an aid to develop visualisation of Architectural volumes and Design concepts.

Course Outline :

- i. Application/colours to Models.
 2. Making of trees, Human figures and other artifacts related to model Denoting of contours.
 - Models consting interiors.

At least one model will be prepared by the candidate of the archited arral Design solution morde.

Trong to the Reading a

. Model Building for Architects & Engineers by John Taylor Architectural Models by Rolf Janke.

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