

Chhattisgarh Swami Vivekanand Technical University, Bhilai

SCHEME OF TEACHING AND EXAMINATION

X SEMESTER B Arch (Five Years Degree Course)

TENTH SEMESTER

S. N.	Subject Code	Board of Studies	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit [L+(T+P)/2]
				L	T	P	ESE	CT	TA		
01.	316011(16)	Arch.	Construction Management	4	0	0	80	20	25	125	4
02.	316012(16)	Arch.	Valuation	4	1	0	80	20	25	125	5
03.	Refer Table - III		Elective III	3	1	0	---	---	75	75	4
04.	316013 (16)	Arch.	Thesis Project	3	2	0	---	---	500	500	4
05	316021 (16)	Arch.	Thesis Project (Studio)	0	0	19	150	---	---	150	10
06.	316022(16)	Arch.	Elective III (Studio)	0	0	3	25	---	---	25	2
TOTAL				14	4	22	335	40	625	1000	29

L-Lecture, **T**- Tutorials, **P**-Practical (i.e. Studio work),

ESE- End Semester Examination, (Minimum Passing Marks: Theory -35%, Practical-50%)

CT- Class Test

TA- Teachers' Assessment of the Sessional Assignments, (Minimum Pass Marks: Theory -60%, Practical- 50%)

Note: 1. ESE and TA (Both Theory and Practical) are required to be passed separately.

2. For a the subjects having Practical (i.e. Studio work) will be divided in sections at the rate of maximum 15 students per teacher, though studio of all the sections will be held simultaneously in the same studio hall.

Table – III			
Elective - III			
S.NO.	Board of Study	Subject Code	Subject
1	Architecture	316071 (16)	Vastushastra
2	Architecture	316072 (16)	Eco. – Friendly Development
3	Architecture	316073 (16)	Architectural Conservation

Note : 3 These electives are related to contemporary trends in the field and the students are offered the same with following conditions:

The department may run an elective or not depending upon the availability of expertise or for any other reason.

The students are required to opt for ANY ONE of them, but an elective will be run only when it is opted by minimum 10 students or 25% of the number of the students in the batch, which ever is less.

Chhattisgarh Swami Vivekanand Technical University, Bhilai (C.G.).

Semester : **TENTH**

Subject: **CONSTRUCTION MANAGEMENT**

Total Theory Periods: **50**

Total Marks in End Semester Exam: **80**

Minimum number of Class tests to be conducted: **02**

Branch: **ARCHITECTURE**

Code: **316011 (16)**

Total Tut Periods: **Nil**

1. Introduction: Introduction to project management concepts, objectives, goals and different aspects of management. Traditional management system. Gantt's approach, bar charts, project programming, time estimates etc.
1. Project programming, resource balancing, phasing of activities, program scheduling, project control, reviewing, updating and monitoring, modern management concepts.
2. Project Assessment & project cost jobs size, divisions of responsibilities, liaison with owners and their representatives, feasibility study, project report, construction-financing facilities etc.
3. Construction Management: Conditions of contract, their application, quality and quantity controls, time and cash contract, recording, checking and certifying with coordination of all building activities.
4. Project monitoring: C.P.M. P.E.R.T. & other one-dimensional techniques for project planning scheduling and control.

In theory examination there will be a separate question from each unit with choice within the unit/question. All units/questions will be compulsory.

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(C.G.).**

Semester : **TENTH**

Subject: **VALUATION**

Total Theory Periods: **50**

Total Marks in End Semester Exam: **80**

Minimum number of Class tests to be conducted: **02**

Branch: **ARCHITECTURE**

Code: **316012 (16)**

Total Tut Periods: **12**

1. Basic purpose and principles of valuation including study of terminology:
2. Various methods of valuation:
 - a) Rental method.
 - b) Land and building method.
 - c) Profit method.
3. Other methods, use of valuation tables.
4. Legislation: Land acquisition act, rent control acts etc.
5. Requirements for getting license of valuer, Role of valuer with various agencies for loans, mortgage, property disputes in court of law etc.

In theory examination there will be a separate question from each unit with choice within the unit/question. All units/questions will be compulsory.

Chhattisgarh Swami Vivekanand Technical University, Bhilai (C.G.).

Semester : **TENTH**

Subject: **VASTUSHAstra**

Total Theory Periods: **40**

Total Marks in End Semester Exam: ---

Minimum number of Class tests to be conducted: ---

Branch: **ARCHITECTURE**

Code: **316071 (16)**

Total Tut Periods: **12**

As the name of the subject suggests that it is shastra (Science) of VASTU (BUILDING) and precisely this has given the identity to our ancient Architecture. This shastra embodies the cosmic, metaphysical and astrological, astronomical, mystic & physical characteristics. The subject is only introductory to teach the very basis of Vastushastra and its application to contemporary architecture.

1. Review of ancient wisdom, introduction to vastushastra its relevance and importance.
2. Fundamental cannons:
 - ~~///~~ Ding Nirnaya (Orientation).
 - ~~///~~ Vastu-pada Vinyasa (Space organization/ Placement of Units.)
 - ~~///~~ Mana (Scale and dimensioning.)
 - ~~///~~ Ayadi sadvarga (Harmonization with cosmic environment.)
 - ~~///~~ Patakadi shat chhanda. (Aesthetical consideration.)
3. Covering elements of villages/towns, road, beautification and application in today context.
4. Civil and Secular Architecture.
5. Application of vastushastra for present day usages such as individual house/ flats/ industries/ offices/ temples etc.

Note: Sessional assignment shall be in form of an exemplary project and will be presented in seminars.

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Semester : **TENTH**

Subject: **ECO- FRIENDLY DEVELOPMENT**

Total Theory Periods: **40**

Total Marks in End Semester Exam: ---

Minimum number of Class tests to be conducted: ---

Branch: **ARCHITECTURE**

Code: **316072 (16)**

Total Tut Periods: **12**

The subject is introduced to create awareness in student regarding development in harmony with eco-systems so as to make it sustainable.

1. Study of eco-systems at cosmic and micro level.
2. Interrelationship of man-made development with eco-processes as regards to positive and negative impacts both ways at Macro and micro level.
3. Eco friendly materials, eco- friendly energy system and eco-friendly execution of development schemes including architectural and settlement development at micro and macro level.
4. The importance and need of sustainable (including self-sustainable) development along-with the study of measures, and methods to active the same.
5. Survey and study of existing development analysis the same for its eco-friend ness and proposing the schemes for eco-friendly development.

Note: Sessional assignment shall be in form of an exemplary project and will be presented in seminars.

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Semester : **TENTH**
Subject: **ARCHITECTURAL CONSERVATION**
Total Theory Periods: **40**
Total Marks in End Semester Exam: ---
Minimum number of Class tests to be conducted: ---

Branch: **ARCHITECTURE**
Code: **316073 (16)**
Total Tut Periods: **12**

The subject has been introduced to inculcate in students importance and need of maintenance of continuation in development with due respect to the development in the past.

1. Definition and various aspects of conservation of natural and man made environment including importance & need of their conservation.
2. Survey & search of architectural heritage along with historical cultural and archeological significance.
3. Measures of conservation i.e. protection, maintenance, restoration, reconstruction, adoption and adaptation.
4. Methods and technology for protection, maintenance, restoration & reconstruction of buildings and environments.
5. Architectural thought, procedure & concept regarding adoption and adoption with or without change in mode of utilization for exemplary buildings & environments based on assignments.

Note: Sessional assignment will be based on selection of a conservation project & presentation of proposal in seminars.

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Semester : **TENTH**

Subject: **THESIS PROJECT**

Total Theory Periods: **40**

Total Marks in End Semester Exam: **00**

Minimum number of Class tests to be conducted: ---

Branch: **ARCHITECTURE**

Code: **316013 16)**

Total Tut Periods: **24**

OBJECTIVES

All the four years of learning architectural design and allied subjects culminate in design thesis project to motivate a student in investigative attitude with individual methodology, thus to train the students in handling projects independently.

PROJECT

Each student will select a subject of an architectural interest in consultation with the committee appointed by the Head / Principal of the Dept. / Institution. This committee should be headed by a Thesis Coordinator selected amongst the staff members.

The subject will have to be approved at the beginning of the eighth semester. The evolution of the thesis project will be continuous and the student will have to give at least four seminars / reviews / submission. The thesis work will be periodically evaluated by the guides of respective students along with one external examiner for a group of 15-20 students. The students may be allowed to go for case studies out of the city with the permission of the Thesis coordinator/guide. The thesis project shall be submitted in the form of bound report, drawings, models etc. in a manner as stipulated in THESIS MANUAL on the date prescribed by the University.

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Semester : **TENTH**

Subject: **THESIS PROJECT (STUDIO)**

Total Theory Periods: ---

Total Marks in End Semester Exam: **150**

Minimum number of Class tests to be conducted: ---

Branch: **ARCHITECTURE**

Code: **316021 (16)**

This is in continuation of Thesis Project [316X14(16)]. The allotted periods of practical may be utilized by the students for conduction of site visits/ case studies/ data collection/ preparation of project etc.

The thesis project shall be submitted in the form of bound report, drawings, models etc. in a manner as stipulated in THESIS MANUAL on the date prescribed by the University. The end semester examination will be evaluated by the guide, minimum two external examiners and any other member of the Thesis Evaluation Committee as appointed by the Thesis Coordinator in the form of Final seminar/presentation.

**Chhattisgarh Swami Vivekanand Technical University, Bilai
(C.G.).**

Semester : **TENTH**

Subject: **ELECTIVE-III (STUDIO)**

Total Marks in End Semester Exam: **25**

Minimum number of Class tests to be conducted: ---

Branch: **ARCHITECTURE**

Code: **316022 (16)**

The subject is a lab (studio) oriented subject and hence, the syllabus as specified in Elective-III [316X13(16)] will be the same. The works done as sessionals will be evaluated by internal and external examiners at the end semester examination. For conduction of the practical (viva-voce) examination one external and one internal examiner may be appointed for a group of 15-20 students.