



## **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

**'Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017)**

### **DIRECTION NO. 2 OF 2023**

#### **ADMISSION AND EXAMINATIONS OF STUDENTS IN THE FULL TIME, SEMESTER PATTERN (CHOICE BASED CREDIT SYSTEM) PROGRAMMES LEADING TO THE AWARD OF THE DEGREE OF BACHELOR OF ARCHITECTURE (B. ARCH) DIRECTON, 2023.**

**Whereas**, The Maharashtra Public Universities Act, 2016 (Mah. Act VI of 2017) (herein after referred to as "Act") has come into force from 1<sup>st</sup> March 2017;

**AND**

**Whereas**, Rashtrasant Tukadoji Maharaj Nagpur University (hereinafter "the University") is now being governed by The Maharashtra Public Universities Act, 2016 (VI of 2017) (hereinafter the Act);

**AND**

**Whereas**, the Board of Studies in Architecture in the Faculty of Science and Technology, in its meetings held on 11/01/2021, keeping the guidelines of Council of Architecture, New Delhi (COA) in mind has decided to modify the scheme of the program to design new 278 credits curriculum for the Bachelor of Architecture (B.Arch) program leading to the award of degree of Bachelor of Architecture (Fulltime), in the Faculty of Science and Technology;

**AND**

**Whereas**, the Vice-Chancellor, in exercise of his powers under section 12(7) of the Act, has on behalf of the Faculty of Science & Technology and also the Academic Council approved the structure of the Bachelor of Architecture (B.Arch) program, having 278 credits, the said programme came into existence in the 2020-21;

**AND**

**Whereas**, Board of Studies in its meeting dated .....has decided to introduced minor changes in the Grade Letters to match with the uniform scheme of credit letters adopted by the University as well as a few other minor changes;

**AND**

**Whereas**, Direction No. 22 of 2021 entitled “Admission and examination of students in the full time semester pattern (Credit Based System) programme leading to the award of the degree of Bachelor of architecture (B.Arch.) Direction, 2021” was issued by the University on 24-08-2021 and as per the provision of the proviso to section 12 (8) of the Act the said Direction has lapsed by virtue of the expiry of the period of 6 months, within which period the said Direction could not be converted into the required ordinance, necessitating issuance of a new Direction, incorporating the provisions of the lapsed Direction;

**Now**, therefore, I, Dr. Subhash R. Chaudhari, Vice-Chancellor of Rashtrasant Tukadoji Maharaj Nagpur University, in exercise of my powers under section 12(8) of the Act, do hereby issue the following Directions: -

1. This Direction shall be called “ADMISSION AND EXAMINATIONS OF STUDENTS IN THE FULL TIME, SEMESTER PATTERN (CHOICE BASED CREDIT SYSTEM) PROGRAMM LEADING TO THE AWARD OF THE DEGREE OF BACHELOR OF ARCHITECTURE (B. ARCH.), DIRECTON, 2023”.
2. This Direction shall come in to force from the date of its issuance.
3. In this Direction unless the context requires otherwise: -
  - a. “**ATKT**” means “Allowed to Keep Term” in the higher semester, as per the rules herein.
  - b. “**Board of Studies**” means the Board of Studies in **Architecture**, in the Faculty of Science and Technology.
  - c. “**Course**” means a theory, practical (or the combination of theory and practical) subject, and research project, prescribed for any semester and carrying maximum and minimum passing marks, which a student, admitted to the program of the Bachelor of Architecture (B.Arch.) governed by this Direction has to study in order to become eligible for the award of the Degree under this Direction.
  - d. “**Credit**” means the unit by which the course work is measured. It is measured in terms of weekly class hours assigned to a Course.
  - e. “**Credit Point**” (CP) is the value obtained by multiplying the Grade Point by the Credit i.e. No. of Credits assigned for the course x Grade Points secured for that course.
  - f. “**Cumulative Grade Point Average (CGPA)**” CGPA refers to the Cumulative Grade Point Average weighted across all the semesters. It is obtained by dividing total number of credit points in all the semesters by the total number of credits in all the semesters.



- g. **“Degree”** means the Degree of Bachelor of Architecture (B.Arch.) (Full Time) (Semester Pattern) (Choice Based Credit System).
- h. **“Grade Letter”** is an index to indicate the performance of a student in a particular course/ Paper. It is the transformation of actual marks secured by a student in a course/paper. It is indicated by a Grade letter O,A,B,C,D,E and F. There is a range of marks for each Grade.
- i. **“Grade Point”** is weight allotted to each grade letter depending on the marks awarded in a course/paper.
- j. **“Program”** means and include the Bachelor of Architecture (B.Arch.) (Full Time) (Semester Pattern) (Choice Based Credit System) program under this Direction **(for short the 278-credit program)**.
- k. **“Student”** means a student admitted to the program under this Direction.
- l. **“Semester Grade Point Average (SGPA)”** SGPA indicates the performance of a student in a given semester. It is based on the total creditpoints earned by the student in all the courses and the total number of credits assigned to the courses/papers in a Semester.
- m. **“University”** means Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

**4. Admission and eligibility to the Program:**

- (a) Subject to the compliance with the provisions of this Direction and other Ordinances/Directions, in force from time to time, an applicant for admission to Semester-I of the program shall have passed 12<sup>th</sup>(Science) examination with subjects specified in Director of Technical Education (Maharashtra)’s and Council of Architecture, New Delhi circulars issued from time to time
- (b) The minimum percentage of marks in the qualifying examination shall be as per the applicable governing rules Framed by Government of Maharashtra from time to time.

**5. Duration of the Program:**

The B.Arch. program shall consist of 5 Years (Ten Semesters)

- 6. Medium of Instructions:** The medium of instructions and examinations shall be English.

**7. Structure of the Program:**

The detail structure of the B.Arch. program shall be as given in Annexures A-1 to A-9 & B-1 to B-3

**8. Curriculum of the Program: -**

The detail content of the courses prescribed for each semester of the B.Arch. program shall be as determined by the relevant Board of Studies and notified by the University from time to time.

## 9. Scheme of Examinations: -

i) Subject to the provisions of the general rules of the University with respect to conduct of examinations and in particular the rules regarding payment of examination fees, award of grace marks, and the maximum and minimum passing marks and eligibility for getting exemption in any passing heads, as shown in the relevant Annexures herein, there shall be end semester examination to be conducted by the University as per the scheme and modalities to be notified from time to time.

ii) An examinee who does not pass or who fails to present herself for the examination(s) shall be eligible for reappearing in the same examination on payment of a fresh fee and such other fees as may be prescribed from time to time. However, re-admission to the semester would be allowed only when a regular session is running for a particular semester.

1. Annexure A-1 :B.Arch. 1<sup>st</sup> to 10<sup>th</sup> Semester Scheme of Examination

2. Annexure A-2: B. Arch. 1<sup>st</sup> to 10<sup>th</sup> Semester Absorption Scheme

iii) An examinee who fails in theory examination of the university in any course/subject or who reappears for examination for remaining absent in the said course/subject on earlier instant, he shall reappear for internal assignments as well and his internal marks shall be submitted by the college to the University afresh.

## 11. Calculation of SGPA and CGPA

Degree will be based on SGPA and CGPA calculations since First Semester

a) SGPA and CGPA will be calculated on the basis of the grades as detailed below

i) Conversion of Marks to Grades using Absolute Grading system.

- For each course taken, the student will be assigned with a grade based on the combined performance in all the assessments.
- Table -1 shows the various grades awarded to students with mark range as indicated.

**Table-1: Award of Grades for Theory Courses**

Letter Grade	Academic Performance	Percentage of marks	Grade Point
O	Outstanding	90 and above	10
A+	Excellent	85-89.99	9
A	Very Good	75-84.99	8
B +	Good	65-74.99	7
B	Above Average	55-64.99	6
C	Pass	45-54.99	5
F	Fail	<45	0
Ab	Absent	-	0

- Audit Course does not carry any credit, hence, will not be considered in the SGPA/CGPA calculation. But the grade card will reflect “Audit course” and will be awarded with grade as in Table-1. However, the student will have to pass the course with minimum required attendance and evaluation result to clear the semester.

## ii) Obtaining Grade Point

- The academic performance of a student will be graded on Ten-point scale.
- The qualitative assessment of student's performance will be indicated by these grades.

## iii) Calculating SGPA and CGPA

- The grades upto ‘C’ awarded to student in all the courses shall be converted into a Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA).

$$\square \quad \text{SGPA} = \frac{\sum C_i \cdot P_i}{\sum (C_i)}$$

Where  $\sum C_i$  = SGPA of  $i^{\text{th}}$  semester;  $C_i$  = Credit of  $i^{\text{th}}$  Course

$P_i$  - Grade point earned of  $i^{\text{th}}$  course

$$\square \quad \text{CGPA} = \frac{\sum C_j \cdot P_j}{\sum (C_j)}$$

Where,  $P_j$  = Grade points earned in the  $j^{\text{th}}$  course;

$C_j$  = Credit of  $j^{\text{th}}$  course up to semester for which CGPA is to be calculated.

$J = 1, 2, \dots, m$  represents the number of courses in which a student is registered up to the semester for which CGPA is to be calculated.

- ## iv) Incentive credits to the students participating in NCC/NSS/ Games & Sports/Cultural Activities/Curricular and Co-curricular Activities will be awarded as per the University prevailing ordinance

## 12. Class/Division

The class/division in academic performance of the student for the complete duration of program to be classified as follows:

- First Class with distinction: CGPA 7.5 and above,
- First Class: CGPA 6.0 and above, but less than 7.5, and
- Second Class: CGPA less than 6.0



As per requirements, the conversion of the performance index CGPA into equivalent percentage of marks, the formula shall be used is-

$$\text{Percent marks} = (\text{CGPA}) \times 10.$$

### 13. Award of Merit Ranks

The students admitted to the program governed by this Direction on successful completion of the program shall be eligible to be awarded a merit rank as per the general rules of the University in this regard.

### 14. Exit Policy for Failure/Dropout Students:

- i). Student who wishes to exit without completing First year and who is not eligible for award of "certificate/Diploma/Degree" should undergo hands on training for getting Certificate.

S. No.	Award	Year of Completion
1	Certificate	Certificate on exit after First Year
2	Diploma	Diploma on exit after Second Year
3	Degree	Degree on exit after Third Year
4	P.G.	P.G. on exit after Fourth Year
5	P.G. with honors	PG with honors on exit after Fifth Year

### 15 A.T.K.T Rules

- i.) For calculation of passing heads, any decimal fraction should be rounded off to lower digit.  
 ii) Passing the semester shall include all the credit and audit subject heads.  
 iii) For getting promotion in the higher class (under ATKT) a student must obtain minimum 40% credits prescribed for a particular year, comprising two semesters.

### 16. ABSORPTION SCHEME

- i. After introduction of the 278-credit program under this Direction existing B.Arch. program shall be discontinued in a phase-wise (progressive) manner and the failure students of the said program shall be provided maximum five attempts to clear all the courses/subject(s) of the said program after which they shall be absorbed in the 278-credit program under this Direction as per the absorption scheme hereunder.
- ii. The students of the existing program shall also be entitled to join the 278-credit program as per the absorption schemes provided by relevant Board of Studies. However, student will have to appear for the examinations under new 278 Credit Scheme for the matchable subjects in which student has not cleared the subject in the existing program.
- iii. a) A student having passed in particular course/subject heads of the existing program at any semester level shall be exempted from such subject heads at any level (lower/higher) of the new 278 Credit program. If any course/subject is named with a new nomenclature but is having similar contents it shall also be exempted. The respective Board of Studies shall prepare and notify the list of such subjects. Wherever a student is absorbed in the new 278 credit course with benefit of exemption in courses/subjects, in any semester, proportionate marks/grades shall be awarded in the concerned course/subject heads.





- b) Wherever a new course/subject has been introduced in the new 278 Credit programme in any semester which was not to be found in the existing programme the internal marks shall be awarded in proportion to the marks/grades earned by a student in the university/external examination in the concerned new course/subject head.
- c) Student being absorbed in new 278 Credit Pattern shall be exempted from the subject/s which she has cleared in the existing semester pattern as per the absorption scheme provided by the concerned B.O.S. However, the subject/s which he/she has not cleared in the old semester pattern and having no equivalent subject at any level of new 278 Credit Pattern shall not be considered during the absorption irrespective of the status of the result of that subject.
- d) In case of any difficulty in interpreting the absorption scheme or ambiguity in this regard the chairman of the board of studies of architecture shall be entitled to give the clarification and decision.
17. If any difficulty in implementation of the scheme of this Direction is encountered or any doubt regarding interpretation of any provision of this Direction arises the matter shall be referred for decision of the Vice-Chancellor whose decision shall be final and binding on all the concerned people.

Nagpur

Date: 17-5-23

(Dr. Subhash Chaudhari)  
Vice-Chancellor



# SCHEME OF EXAMINATION – B.Arch.


## FIRST YEAR B.ARCH.

### Semester – 1

Sr. No.	Sub. Code	Sub. Name	Category	Board	Load Per Week					Credits					Paper / Sessional	Duration in Hours	Max. Marks	Total Marks	Min. Pass Marks
					L/D	T	S	P	Total	L	T	S	P	Total					
1	1S-A-1	Architectural Design -I	PC	AR	1	0	3	0	4	1	0	4.5	0	5.5	Sessional		200	200	100
2	1S-A-2	Allied Design Studio-I	PC	AR	1	0	2	0	3	1	0	3	0	4	Sessional		100	100	50
3	1S-A-3	Building Construction and Materials - I	BS& AE	AR	2	0	3	0	5	2	0	4.5	0	6.5	Sessional		150	150	75
4	1S-A-4	Architectural Graphics I	PC	AR	2	0	0	2	4	2	0	0	1	3	Sessional		100	100	50
5	1S-A-5	Structural Design & Systems-I	BS& AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Sessional		100	100	50
6	1S-A-6	History of Civilisation	PC	AR	2	1	0	0	3	2	0.5	0	0	2.5	Sessional		100	100	50
7	1S-A-7	Computer Application I	PC	AR	1	0	0	1	2	1	0	0	0.5	1.5	Sessional		50	50	25
8	1S-A-8	Workshop I	PC	AR	0	0	0	3	3	0	0	0	1.5	1.5	Sessional		100	100	50
9	1S-A-9	Elective I	EC	AR	1	2	0	0	3	1	1	0	0	2	Sessional		100	100	50
Total									30					29.0			1000	1000	

Elective I

Art Appreciation / Numerical Ability / Presentation Skills / Sketching and Rendering / Public Speaking / Institutional Project 1



*V. K. Kanchhelkar*  
21/02/2023

*F. Jagadkar*  
21/02/23

  
21/2/23



# SCHEME OF EXAMINATION – B.Arch.

## FIRST YEAR B.ARCH.

### Semester – 2

Sr. No.	Sub. Code	Sub. Name	Category	Board	Load Per Week					Credits					Paper / Sessional	Duration in Hours	Max. Marks	Total Marks	Min. Pass Marks
					L/D	T	S	P	Total	L	T	S	P	Total					
1	2S-A-1	Architectural Design II	PC	AR	1	0	3	0	4	1	0	4.5	0	5.5	Sessional Viva Voce		150 50	200	100 ✓
2	2S-A-2	Allied Design Studio-II	PC	AR	1	0	2	0	3	1	0	3	0	4	Sessional		100	100	50 ✓
3	2S-A-3	Building Construction and Materials - II	BS & AE	AR	2	0	3	0	5	2	0	4.5	0	6.5	Paper Sessional	3	100 50	150	45 25 ✓
4	2S-A-4	Architectural Graphics II	PC	AR	2	0	0	2	4	2	0	0	1	3	Paper Sessional	3	60 40	100	45 ✓
5	2S-A-5	Structural Design & Systems-II	BS & AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper Sessional	3	60 40	100	45 ✓
6	2S-A-6	History of Architecture I	PC	AR	2	1	0	0	3	2	0.5	0	0	2.5	Sessional		100	100	50 ✓
7	2S-A-7	Computer Application II	PC	AR	1	0	0	1	2	1	0	0	0.5	1.5	Sessional		50	50	25 ✓
8	2S-A-8	Workshop II	PC	AR	0	0	0	3	3	0	0	0	1.5	1.5	Sessional		100	100	50 ✓
9	2S-A-9	Elective II	EC	AR	1	2	0	0	3	1	1	0	0	2	Sessional		100	100	50 ✓
<b>Total</b>									<b>30</b>					<b>29.0</b>			<b>1000</b>	<b>1000</b>	

Elective II Art in Architecture / Graphic Designing / Fundamentals of Painting / Fundamentals of Sculpture / Architectural Photography / Institutional Project

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*Vellavathelen*  
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*Pagadkar*  
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# SCHEME OF EXAMINATION – B.Arch.

## SECOND YEAR B.ARCH.

### Semester – 3

Sr. No.	Sub. Code	Sub. Name	Category	Board	Load Per Week					Credits					Paper / Sessional	Duration in Hours	Max. Marks	Total Marks	Min. Pass Marks
					L/D	T	S	P	Total	L	T	S	P	Total					
1	3S-A-1	Architectural Design III	PC	AR	1	0	4	0	5	1	0	6	0	7	Sessional		150	200	100
					Viva Voce	50													
2	3S-A-2	Allied Design Studio-III	PC	AR	1	0	2	0	3	1	0	3	0	4	Sessional		100	100	50
3	3S-A-3	Building Construction and Materials -III	BS & AE	AR	2	0	3	0	5	2	0	4.5	0	6.5	Paper	3	100	150	45
															Sessional		50		25
4	3S-A-4	Architectural Graphics III	PC	AR	1	0	0	2	3	1	0	0	1	2	Sessional		100	100	50
5	3S-A-5	Structural Design & Systems III	BS& AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper	3	60	100	45
															Sessional		40		
6	3S-A-6	History of Architecture II	PC	AR	2	1	0	0	3	2	0.5	0	0	2.5	Sessional		100	100	50
7	3S-A-7	Computer Application III	PC	AR	0	0	0	2	2	0	0	0	1	1	Sessional		50	50	25
8	3S-A-8	Climatology	BS & AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper	3	60	100	45
															Sessional		40		
9	3S-A-9	Elective III	EC	AR	1	2	0	0	3	1	1	0	0	2	Sessional		100	100	50
Total									30					30.0			1000	1000	

Elective  
III

Scale and Proportion / Anthropometrics & Ergonomics / Rural Architecture / Traditional Arts and Crafts / Biomimicry / Institutional Project 3

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# SCHEME OF EXAMINATION – B.Arch.

## SECOND YEAR B.ARCH.

### Semester – 4

Sr. No .	Sub. Code	Sub. Name	Category	Board	Load Per Week					Credits					Paper / Sessional	Duration in Hours	Max. Marks	Total Marks	Min. Pass Marks
					L/D	T	S	P	Total	L	T	S	P	Total					
1	4S-A-1	Architectural Design IV	PC	AR	1	0	4	0	5	1	0	6	0	7	Sessional		150	200	100
														Viva Voce	50				
2	4S-A-2	Allied Design Studio-IV	PC	AR	1	0	2	0	3	1	0	3	0	4	Sessional		100	100	50
3	4S-A-3	Building Construction and Materials -IV	BS & AE	AR	2	0	2	0	4	2	0	3	0	5	Paper	3	100	150	45
														Sessional		50	25		
4	4S-A-4	Surveying and Documentation	BS & AE	AR	1	0	0	2	3	1	0	0	1	2	Sessional		100	100	50
5	4S-A-5	Structural Design & Systems IV	BS & AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper	3	60	100	45
														Sessional		40			
6	4S-A-6	History of Architecture III	PC	AR	2	1	0	0	3	2	0.5	0	0	2.5	Sessional		100	100	50
7	4S-A-7	Building Services - I	BS & AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper	3	60	100	45
														Sessional		40			
8	4S-A-8	Climate and Architecture	BS & AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Sessional		100	100	50
9	4S-A-9	Elective IV	EC	AR	1	2	0	0	3	1	1	0	0	2	Sessional		50	50	25
Total									30					30.0			1000	1000	

Elective IV Regional Architecture / Furniture Design / Design of Building Elements / Building Bye Laws and DCR / Theory of Design / Institutional Project 4

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# SCHEME OF EXAMINATION – B.Arch.

## THIRD YEAR B.ARCH.

### Semester – 5

Sr. No.	Sub. Code	Sub. Name	Category	Board	Load Per Week					Credits					Paper / Sessional	Duration in Hours	Max. Marks	Total Marks	Min. Pass Marks
					L/D	T	S	P	Total	L	T	S	P	Total					
1	5S-A-1	Architectural Design V	PC	AR	1	0	4	0	5	1	0	6	0	7	Sessional		100	200	50
															Viva Voce		100		50
2	5S-A-2	Allied Design Studio-V	PC	AR	1	0	2	0	3	1	0	3	0	4	Sessional		100	100	50
3	5S-A-3	Building Construction and Materials -V	BS & AE	AR	2	0	2	0	4	2	0	3	0	5	Paper	3	100	150	45
															Sessional		50		25
4	5S-A-4	Working Drawing -I	PC	AR	2	0	0	2	4	2	0	0	1	3	Sessional		50	100	50
															Viva Voce		50		
5	5S-A-5	Structural Design & Systems V	BS & AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper	3	60	100	45
															Sessional		40		
6	5S-A-6	Contemporary Architecture	PC	AR	1	1	0	0	2	1	0.5	0	0	1.5	Sessional		100	100	50
7	5S-A-7	Building Services - II	BS & AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper	3	60	100	45
															Sessional		40		
8	5S-A-8	Vernacular Architecture	PC	AR	2	1	0	0	3	2	0.5	0	0	2.5	Sessional		100	100	50
9	5S-A-9	Elective V	EC	AR	1	2	0	0	3	1	1	0	0	2	Sessional		50	50	25
Total									30					30.0			1000	1000	

Elective  
V

Pattern Language / Product Design /Advanced Spatial Analysis / Behavioural Architectural / Rhapsodic Architecture/ Vastu Shastra / Institutional Project 5

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# SCHEME OF EXAMINATION – B.Arch.

## THIRD YEAR B.ARCH.

### Semester – 6

Sr. No.	Sub. Code	Sub. Name	Category	Board	Load Per Week					Credits					Paper / Sessional	Duration in Hours	Max. Marks	Total Marks	Min. Pass Marks
					L/D	T	S	P	Total	L	T	S	P	Total					
1	6S-A-1	Architectural Design VI	PC	AR	1	0	4	0	5	1	0	6	0	7	Sessional		100	200	50
															Viva Voce		100		50
2	6S-A-2	Allied Design Studio-VI	PC	AR	1	0	2	0	3	1	0	3	0	4	Sessional		100	100	50
3	6S-A-3	Building Construction and Materials -VI	BS & AE	AR	2	0	2	0	4	2	0	3	0	5	Paper	3	100	150	45
															Sessional		50		25
4	6S-A-4	Working Drawing -II	PC	AR	2	0	0	2	4	2	0	0	1	3	Sessional		50	100	50
															Viva Voce		50		
5	6S-A-5	Structural Design & Systems VI	BS & AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper	3	60	100	45
															Sessional		40		
6	6S-A-6	Theory of Architecture	PC	AR	1	1	0	0	2	1	0.5	0	0	1.5	Sessional		100	100	50
7	6S-A-7	Building Services - III	BS & AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper	3	60	100	45
															Sessional		40		
8	6S-A-8	Landscape Architecture I	PC	AR	2	1	0	0	3	2	0.5	0	0	2.5	Sessional		100	100	50
9	6S-A-9	Elective VI	EC	AR	1	2	0	0	3	1	1	0	0	2	Sessional		50	50	25
Total									30					30.0			1000	1000	

Elective VI Campus Planning / Interior Design / Architectural Appreciation / Green Architecture / Biophilic Architecture / Institutional Project 6

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**SCHEME OF EXAMINATION – B.Arch.**

**FOURTH YEAR B.ARCH.**

**Semester – 7**

Sr. No.	Sub. Code	Sub. Name	Category	Board	Load Per Week					Credits					Paper / Sessional	Duration in Hours	Max. Marks	Total Marks	Min. Pass Marks
					L/D	T	S	P	Total	L	T	S	P	Total					
1	7S-A-1	Architectural Design VII	PC	AR	1	0	4	0	5	1	0	6	0	7	Sessional Viva Voce		150 100	250	75 50
2	7S-A-2	Allied Design Studio-VII	PC	AR	1	0	2	0	3	1	0	3	0	4	Sessional		100	100	50
3	7S-A-3	Appropriate Building Technology	BS & AE	AR	1	0	2	0	3	1	0	3	0	4	Paper Sessional	3	60 40	100	45
4	7S-A-4	Working Drawing -III (Interior Design & Detailing)	PC	AR	2	0	0	2	4	2	0	0	1	3	Sessional Viva Voce		50 50	100	25 25
5	7S-A-5	Specification	PC	AR	2	1	0	0	3	2	0.5	0	0	2.5	Sessional Viva Voce		50 50	100	50
6	7S-A-6	Human Settlement Planning	PC	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper Sessional	3	60 40	100	45
7	7S-A-7	Building Services - IV	BS & AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper Sessional	3	60 40	100	45
8	7S-A-8	Landscape Architecture II	PC	AR	2	1	0	0	3	2	0.5	0	0	2.5	Sessional		100	100	50
9	7S-A-9	Elective VII	EC	AR	1	2	0	0	3	1	1	0	0	2	Sessional		50	50	25
<b>Total</b>									<b>30</b>					<b>30.0</b>			<b>1000</b>	<b>1000</b>	

Elective VII

High Rise Buildings / Architectural Conservation / Housing / Industrial Architecture / Hightech Architecture / Institutional Project 7

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**SCHEME OF EXAMINATION – B.Arch.**

**FOUTH YEAR B.ARCH.**

**Semester – 8**

Sr. No.	Sub. Code	Sub. Name	Category	Board	Load Per Week					Credits					Paper / Sessional	Duration in Hours	Max. Marks	Total Marks	Min. Pass Marks
					L/D	T	S	P	Total	L	T	S	P	Total					
1	8S-A-1	Practical Training	PAEC	AR	0	0	0	20	20	0	0	0	10	10	Sessional		250	400	200
															Viva Voce		150		
2	8S-A-2	Documentation	PC	AR	0	0	0	10	10	0	0	0	5	5	Sessional		100	100	50
Total									30					15.0			500	500	



 *Uthasathelan*  
21/02/2023



  
21/2/23



**SCHEME OF EXAMINATION – B.Arch.**

**FIFTH YEAR B.ARCH.**

**Semester – 9**

Sr. No.	Sub. Code	Sub. Name	Category	Board	Load Per Week					Credits					Paper / Sessional	Duration in Hours	Max. Marks	Total Marks	Min. Pass Marks
					L/D	T	S	P	Total	L	T	S	P	Total					
1	9S-A-1	Architectural Design VIII	PC	AR	1	0	5	0	6	1	0	7.5	0	8.5	Sessional Viva Voce		150 100	250	75 50
2	9S-A-2	Allied Design Studio-VIII	PC	AR	1	0	2	0	3	1	0	3	0	4	Sessional		100	100	50
3	9S-A-3	Advanced Construction	BS & AE	AR	2	0	1	0	3	2	0	1.5	0	3.5	Paper Sessional	3	60 40	100	45
4	9S-A-4	Professional Practice -I	PAEC	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper Sessional	3	60 40	100	45
5	9S-A-5	Estimation	PC	AR	1	2	0	0	3	1	1	0	0	2	Sessional Viva Voce		50 50	100	50
6	9S-A-6	Urban Design	PC	AR	2	1	0	0	3	2	0.5	0	0	2.5	Sessional		100	100	50
7	9S-A-7	Acoustics and Illumination	BS & AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper Sessional	3	60 40	100	45
8	9S-A-8	Environmental Science and Architecture	BS & AE	AR	2	1	0	0	3	2	0.5	0	0	2.5	Sessional		100	100	50
9	9S-A-9	Elective VIII	EC	AR	1	2	0	0	3	1	1	0	0	2	Sessional		50	50	25
<b>Total</b>									<b>30</b>					<b>30.0</b>			<b>1000</b>	<b>1000</b>	

Elective VIII Sustainable Development/ Earthquake Resistant Architecture/ Architectural Journalism / Disaster Mitigation and Management / Composite Technology/ Specialised Services / Institutional Project 8

Ullas Chandra  
21/02/2023

21/2/23



**SCHEME OF EXAMINATION – B.Arch.**

**FIFTH YEAR B.ARCH.**

**Semester –19**

Sr. No.	Sub. Code	Sub. Name	Category	Board	Load Per Week					Credits					Paper / Sessional	Duration in Hours	Max. Marks	Total Marks	Min. Pass Marks
					L/D	T	S	P	Total	L	T	S	P	Total					
1	10S-A-1	Project	PC	AR	2	0	8	2	12	2	0	12	1	15	Sessional		300	500	150 ✓
															Viva Voce		200		100 ✓
2	10S-A-2	Seminar and Research	PAEC	AR	1	4	0	0	5	1	2	0	0	3	Sessional		100	200	100 ✓
															Viva Voce		100		
3	10S-A-3	Professional Practice -II	PAEC	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper	3	60	100	45 ✓
															Sessional		40		
4	10S-A-4	Project Management & BIM	PAEC	AR	1	2	0	0	3	1	1	0	0	2	Sessional		100	100	50 ✓
8	10S-A-5	Valuation	PC	AR	2	1	0	0	3	2	0.5	0	0	2.5	Paper	3	60	100	45 ✓
															Sessional		40		
Total									26					25.0			1000	1000	

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# **ABSORPTION SCHEME B.ARCH.**

Subjects Listed semesterwise as per CBS pattern Scheme of Examination

Year/ Sem	Sub. Code	Corresponding Old Course Subjects	CBCS Course Subjects ( New Course)	Year/ Sem	Code
<b>FIRST SEMESTER B.ARCH.</b>					
1st Sem	1S-A-1	Basic Design & Visual Art	Architectural Design - I	1st Sem	1S-A-1
1st Sem	1S-AA-2	Elective - b (Any of the elective heads) Mathematics/ Statistical methods/ Numerical ability/ Scale & proportion	Allied Design Studio - I	1st Sem	1S-A-2
1st Sem	1S-A-2	Construction Tech. & Materials I	Building Construction and Materials - I	1st Sem	1S-A-3
1st Sem	1S-A-5	Architectural Graphics I	Architectural Graphics - I	1st Sem	1S-A-4
1st Sem	1S-A-3	Structural Design & Sys. I	Structural Design & Systems - I	1st Sem	1S-A-5
1st Sem	1S-A-4	History of Art & Archi. I	History of Civilisation	1st Sem	1S-A-6
1st Sem	1S-A-7	Computer Application (NG)	Computer Application - I	1st Sem	1S-A-7
1st Sem	1S-A-6	Workshop Practice I	Workshop - I	1st Sem	1S-A-8
1st Sem	1S-AA-1	Elective A (Any of the elective heads)presentation skills/ public speaking/ english I/ Sketching and rendering	Elective I (Any one) presentation skills/ public speaking/Sketching and rendering/ Appreciation of Art & Architecture/ Numerical ability	1st Sem	1S-A-9

<b>SECOND SEMESTER B.ARCH.</b>					
2nd Sem	2S-A-1	Architectural Design -I	Architectural Design - II	2nd Sem	2S-A-1
2nd Sem	2S-A-7	Climatology	Allied Design Studio - II	2nd Sem	2S-A-2
2nd Sem	2S-A-2	Construction Tech. & Materials II ( s & P)	Building Construction and Materials - II (S & P)	2nd Sem	2S-A-3
2nd Sem	2S-A-5	Architectural Graphics - II (S&P)	Architectural Graphics - II	2nd Sem	2S-A-4
2nd Sem	2S-A-3	Structural Design & Sys. II	Structural Design & Systems - II	2nd Sem	2S-A-5
2nd Sem	2S-A-4	History of Art & Archi.- II	History of Architecture I (S)	2nd Sem	2S-A-6
2nd Sem	2S-AA-2	Elective - a (Any of the elective heads) presentation skills/ public speaking/ Sketching and rendering/ Foreign Language/ Communication Skills - II	Computer Application - II (S)	2nd Sem	2S-A-7
2nd Sem	2S-A-6	Workshop Practice - II	Workshop - II	2nd Sem	2S-A-8
2nd Sem	2S-AA-1	Elective - b (Any of the elective heads) Fundamentals of Painting/ Sculpture/ Drawing Techniques / Photography/visual Arts	Elective II (Any one) Art in Architecture/ Graphic Designing/ Fundamentals of Painting/ Sculpture/ Architectural Photography/ Institutional Project 2	2nd Sem	2S-A-9

<b>THIRD SEMESTER B.ARCH.</b>					
3rd Sem	3S-A-1	Architectural Design -II	Architectural Design - III	3rd Sem	3S-A-1
3rd Sem	3S-A-6	Surveying & Levelling (S)	Allied Design Studio - III	3rd Sem	3S-A-2
3rd Sem	3S-A-2	Construction Tech. & Materials III (S & P)	Building Construction and Materials - III (S & P)	3rd Sem	3S-A-3
3rd Sem	3S-A-5	Architectural Graphics - III (S)	Architectural Graphics - III (S)	3rd Sem	3S-A-4
3rd Sem	3S-A-3	Structural Design & Systems - III	Structural Design & Systems - III	3rd Sem	3S-A-5
3rd Sem	3S-A-4	History of Art & Architecture - III	History of Architecture II (S)	3rd Sem	3S-A-6
3rd Sem	3S-AA-1	Elective - b (Any of the elective heads)history of indian traditional art & crafts/ art appreciation/ architectural documentation/ critical appreciation	Computer Application - III (S)	3rd Sem	3S-A-7
3rd Sem	3S-A-7	Climate & Architecture	Climatology	3rd Sem	3S-A-8
3rd Sem	3S-AA-2	Elective - a (Any of the elective heads) enironmental studies/rural architecture/vernacular architecture/ environmental impacts.	Elective III (Any one) scale & proportion/ anthropometrics and ergonomics/ Rural Architecture/ Traditional Arts & crafts/ Biomimicry/ Institutional Project 3	3rd Sem	3S-A-9

<b>FOURTH SEMESTER B.ARCH.</b>					
4th Sem	4S-A-1	Architectural Design III	Architectural Design - IV	4th Sem	4S-A-1
4th Sem	4S-AA-2	Elective - b (Any of the elective heads) Anthropometric & ergonomics/ Product design/ Design of building elements/Photography	Allied Design Studio - IV	4th Sem	4S-A-2



4th Sem	4S-A-2	Construction Tech. & Materials - IV ( S & P )	Building Construction and Materials - IV ( S & P )	4th Sem	4S-A-3
4th Sem	4S-A-5	Architectural Graphics - IV ( S )	Surveying and Documentation ( S )	4th Sem	4S-A-4
4th Sem	4S-A-3	Structural Design & Sys. IV	Structural Design & Systems IV	4th Sem	4S-A-5
4th Sem	4S-A-6	Theory of Architecture - I	History of Architecture III ( S )	4th Sem	4S-A-6
4th Sem	4S-A-4	Building Services - I	Building Services - I	4th Sem	4S-A-7
4th Sem	4S-A-7	Theory of Landscape Archt ( S )	Climate and Architecture ( S )	4th Sem	4S-A-8
4th Sem	4S-AA-1	Elective - a (Any of the elective heads) Graphic Software/ Web design/ Building Simulation & Modelling/ Computer Application	Elective IV (Any one) Regional Architecture/ Furniture Design/ Design of Building elements/ Building Bye-Laws and DCR/ Theory of Design/ Institutional Project 4	4th Sem	4S-A-9
<b>FIFTH SEMESTER B.ARCH.</b>					
5th Sem	5S-A-1	Architectural Design- IV	Architectural Design - V	5th Sem	5S-A-1
5th Sem	5S-A-7		Allied Design Studio - V	5th Sem	5S-A-2
5th Sem	5S-A-2	Construction Tech. & Materials - V ( S & P )	Building Construction and Materials - V ( S & P )	5th Sem	5S-A-3
5th Sem	5S-A-5	Architectural Graphics - V ( S )	Working Drawing - I ( S )	5th Sem	5S-A-4
5th Sem	5S-A-3	Structural Design & Sys. V	Structural Design & Systems V	5th Sem	5S-A-5
5th Sem	5S-A-6	Theory of Architecture - II ( S )	Contemporary Architecture ( S )	5th Sem	5S-A-6
5th Sem	5S-A-4	Building Services - II	Building Services - II	5th Sem	5S-A-7
5th Sem	5S-AA-2	Elective - b (Any of the elective heads) Appropriate technology/ Eco friendly Architecture/ Sustainable Development/ Green Architecture/ Landscape studio	Vernacular Architecture ( S )	5th Sem	5S-A-8
5th Sem	5S-AA-1	Elective - a (Any of the elective heads) Building automation Systems/ Advanced Building materials/Specialised Services/ Computer Application	Elective - V (Any one) Pattern Language/ Product Design/ Advanced Spatial Analysis/ Behavioural Architectural/ Rhapsodic Architecture/ Vastu Shastra/Institutional Project 5	5th Sem	5S-A-9
<b>SIXTH SEMESTER B.ARCH.</b>					
6th Sem	6S-A-1	Architectural Design - V	Architectural Design - VI	6th Sem	6S-A-1
6th Sem	6S-A-7		Allied Design Studio - VI	6th Sem	6S-A-2
6th Sem	6S-A-2	Construction Tech. & Materials - VI ( S & P )	Building Construction and Materials - VI ( S & P )	6th Sem	6S-A-3
6th Sem	6S-A-5	Architectural Graphics - VI ( S )	Working Drawing - II ( S & V )	6th Sem	6S-A-4
6th Sem	6S-A-3	Structural Design & Sys.-VI	Structural Design & Systems VI	6th Sem	6S-A-5
6th Sem	6S-A-6	Design of Human Settlement	Theory of Architecture ( S )	6th Sem	6S-A-6
6th Sem	6S-A-4	Building Services - III	Building Services - III	6th Sem	6S-A-7
6th Sem	6S-AA-2	Elective - b (Any of the elective heads)Advanced Spatial analysis/ Environmental Psychology/ Man-Environmental Relationship/ Architectural Appreciation	Landscape Architecture - I ( S )	6th Sem	6S-A-8
6th Sem	6S-AA-1	Elective - a (Any of the elective heads) Project management/ Data Management techniques/ computer applications in estimating & costing/ Architect's office & site Practices	Elective - VI (Any one) campus planning/ Interior design/ Architectural Appreciation/Green Architecture/ Biophilic Architecture/ Institutional Project 6	6th Sem	6S-A-9

<b>SEVENTH SEMESTER B.ARCH.</b>					
7th Sem	7S-A-1	Architectural Design - VII	Architectural Design - VII	7th Sem	7S-A-1
7th Sem	7S-A-5	Research Skills & Proj. Intro. ( S )	Allied Design Studio - VII	7th Sem	7S-A-2
	7S-A-3	Construction Technology & Material - VII (Internal Marks)	Appropriate Building Technology ( P )		7S-A-3



7th Sem	7S-AA-2	Elective - b (Any of the elective heads) Urban Planning/ Conservation/ Urban Aesthetics/Infrastructure Planning/ Valuation	Working Drawing - II (Interior Design & Detailing) ( S )	7th Sem	7S-A-4
5th Sem	5S-A-7	Specification 5th Semester	Specification ( S )		7S-A-5
7th Sem	7S-A-4	Structural Design & Sys. VII	Human Settlement Planning	7th Sem	7S-A-6
7th Sem	7S-A-3	Building Services - IV	Building Services - IV	7th Sem	7S-A-7
		Theory of Landscape 4th Sem.	Landscape Architecture - II ( S )		7S-A-8
7th Sem	7S-AA-2	Elective - a (Any of the elective heads) Architectural education/ Design Processes/ Interior Design/ Landscape design / Advanced Spatial Analysis	Elective - VII (Any one) High rise buildings/ Architectural Conservation/ Housing/ Industrial Architecture/ High-Tech architecture/ Institutional Project 7	7th Sem	7S-A-9
7th Sem	7S-A-6	Acoustic and Illumination		7th Sem	

EIGHTH SEMESTER B.ARCH.					
8th Sem	9S-A-1	Practical Training	Practical Training	8th Sem	8S-A-1
		To be Appeared	Documentation		8S-A-2
NINTH SEMESTER B.ARCH.					
9th Sem	9S-A-1	To be Appeared	Architectural Design - VIII	9th Sem	9S-A-1
9th Sem	9S-A-2	To be Appeared	Allied Design Studio - VIII	9th Sem	9S-A-2
7th Sem	7S-A-3	Construction Technology & Material - VII 7th Sem (Paper)	Advanced Construction (p)	9th Sem	9S-A-3
9th Sem	9S-A-4	To be Appeared	Professional Practice - i	9th Sem	9S-A-4
6th Sem	6S-A-7	Estimate & Costing 6th Sem	Estimation (S)	9th Sem	9S-A-5
9th Sem	9S-A-6	To be Appeared	Urban Design (s)	9th Sem	9S-A-6
7th Sem	7S-A-6	Acoustic and Illumination 7th Sem	Acoustics and Illumination	9th Sem	9S-A-7
9th Sem	9S-A-8	To be Appeared	Environmental Science and Architecture(s)	9th Sem	9S-A-8
9th Sem	9S-A-9	To be Appeared	Elective - VIII (Any one) Sustainable Development/ Earthquake Resistant Architecture/Architectural Journalism/ Disaster Mitigation and Management/ Composite Technology/ Specialised Services/ Institutional Project 8	9th Sem	9S-A-9
TENTH SEMESTER B.ARCH.					
10th Sem	8S-A-1	Project	Project	10th Sem	10S-A-1
10th Sem	8S-AA-1	Elective - a (Any of the elective Heads) Industrial Architecture/long span structures/high-rise buildings/housing/ campus planning/ urban design/ High-tech Architecture	Seminar and Research	10th Sem	10S-A-2
10th Sem	8S-A-3	Professional Practice	Professional Practice - II	10th Sem	10S-A-3
10th Sem	8S-A-2	Construction Tech. & Materials VIII	Project Management & BIM	10th Sem	10S-A-4
7th Sem	7S-AA-2	Elective b 7th Sem. ( if Student has opted for Valuation as elective)	Valuation		10S-A-5

The new scheme marking to be converted as per  
 1 the old syllabus marking for respective subject  
 The new scheme sessional subject to be marked  
 2 proportionate to the old course theory subject  
 Note: In case of any difficulty in interpretation, Chairman, BOS (Architecture) shall be consulted for final decision in the matter.

*Abhay V. P. W. L.*

*Dr. Sujata Godbole*

*Dr. N. M. Gujar*

*Dr. N. M. Gujar*

*Dr. Sarang Gujar*

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*Dr. K. S. Kimmalkar*

*Dr. K. S. Kimmalkar*