

GOVT. OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION, JODHPUR
TEACHING AND EXAMINATION SCHEME
(SEMESTER SCHEME-2023-24)
FOR DIPLOMA III SEMESTER (ARCHITECTURE)(AC)
SESSION 2023-2024 & ONWARDS

| Subject Category | Subject Code | Subjects | Distribution of Time | | | | Distribution of Max. Marks/ Duration | | | | | | | Total | |
|------------------|--------------|--|----------------------|----------|-----------|-----------|--------------------------------------|-----------|------------|-----------|---------------------|-----------|-------------|-------------|-----------|
| | | | Hours per week | | | | End Semester Exam | | | | Internal Assessment | | | Marks | Credits |
| | | | L | T | P | Total | TH | Hrs. | PR | Hrs. | CT | TU | PR(S) | | |
| PC | #AC 3001 | History of Architecture - I | 2 | 1 | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| PC | #AC 3002 | Theory of Design | 2 | 1 | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| BS&AE | AC 3003 | Building Construction Studio -I | -- | -- | 4 | 4 | | | 40 | 3 | -- | -- | 60 | 100 | 2 |
| BS&AE | #AC 3004 | Building Materials | 1 | 1 | -- | 2 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 2 |
| BS&AE | #AC 3005 | Surveying & Levelling | 1 | -- | -- | 1 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 1 |
| PC | AC 3006 | Architecture Design Studio – I | -- | -- | 6 | 6 | -- | -- | 40 | 6 | -- | -- | 60 | 100 | 3 |
| PC | #AC 3007 | Graphical Presentation- I Lab | -- | -- | 4 | 4 | -- | -- | 40 | 3 | -- | -- | 60 | 100 | 2 |
| BS&AE | #AC 3008 | Surveying & Levelling- Lab | -- | -- | 4 | 4 | -- | -- | 40 | 3 | -- | -- | 60 | 100 | 2 |
| PAEC | #AC 3009 | Summer Internship – I (4 weeks after II Sem) | -- | -- | -- | -- | -- | -- | 100 | -- | -- | -- | -- | 100 | 2 |
| SEC | AC 3010 | Computer Studio-I | -- | -- | 4 | 4 | -- | -- | 40 | 3 | -- | -- | 60 | 100 | 2 |
| | | Student Centered Activities | 2 | -- | -- | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | Total | 8 | 3 | 22 | 33 | 240 | -- | 260 | -- | 80 | 80 | 300 | 1000 | 22 |
| | | | Grand Total : | | | | | | | | | | 1000 | 22 | |

- 1 L : Lecture 5 PR : Marks for End Semester Exam for Practical
2 T : Tutorial 6 CT : Marks for class tests (Internal Assessment)
3 P : Practical 7 TU : Marks for tutorials (Internal Assessment)
4 TH : Marks for End Semester Exam for Theory 8 PR(S) : Marks for practical and viva (Internal Assessment)

Student Centered Activities include 1. Expert lectures/ practice sessions on technical topics of common interest 2. Personality development 3. Human values 4. Industrial visits 5. Art of living 6.

AR3001,AR3002,AR3004,AR3005,AR3007,AR3008,AR3009 are same as AC3001,AC3002,AC3004,AC3005,AC3007,AC3008,AC3009 respectively.

- BS & AE: Building Science & Applied Engineering
PC: Professional Core
SEC: Skill Enhancement Course
OE: Open Elective
PE: Professional Elective
PAEC: Professional Ability Enhancement Course

GOVT. OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION, JODHPUR
TEACHING AND EXAMINATION SCHEME
(SEMESTER SCHEME-2023-24)
FOR DIPLOMA IV SEMESTER (ARCHITECTURE)(AC)
SESSION 2023-2024 & ONWARDS

| Subject Category | Subject Code | Subjects | Distribution of Time | | | | Distribution of Max. Marks/ Duration | | | | | | Total Marks | Credits | |
|----------------------|--------------|---|----------------------|----------|-----------|-----------|--------------------------------------|-----------|------------|---------------------|------------|------------|-------------|------------|-----------|
| | | | Hours per week | | | | End Semester Exam | | | Internal Assessment | | | | | |
| | | | L | T | P | Total | TH | Hrs. | PR | Hrs. | CT | TU | | | PR(S) |
| PC | #AC 4001 | History of Architecture– II | 2 | 1 | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| PC | AC 4002 | Estimating & Specifications | 2 | 1 | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| BS&AE | AC 4003 | Building Construction – II | 1 | 1 | -- | 2 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 2 |
| PE | #AC 4004 | Professional Elective-I | 3 | -- | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| | | AC 40041 – Mechanics of Structures | | | | | | | | | | | | | |
| | | AC 40042- Climatology | | | | | | | | | | | | | |
| SEC | AC 4005 | Building Information Modelling | 1 | 2 | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| PC | AC 4006 | Architecture Design Studio – II | -- | -- | 6 | 6 | -- | -- | 40 | 6 | -- | -- | 60 | 100 | 3 |
| PC | #AC 4007 | Graphical presentation-II Lab | -- | -- | 4 | 4 | -- | -- | 40 | 3 | -- | -- | 60 | 100 | 2 |
| PAEC | #AC 4008 | Minor Project | -- | -- | 4 | 4 | -- | -- | 40 | 3 | -- | -- | 60 | 100 | 2 |
| BSAE | AC 4009 | Building Construction Studio -II | -- | -- | 4 | 4 | -- | -- | 40 | 3 | -- | -- | 60 | 100 | 2 |
| VS | *AC 4222 | Essence of Indian Knowledge & Tradition | 2 | -- | -- | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | Total | 11 | 5 | 18 | 34 | 300 | -- | 160 | -- | 100 | 100 | 240 | 900 | 23 |
| Grand Total : | | | | | | | | | | | | | 900 | 23 | |

- 1 L : Lecture 5 PR : Marks for End Semester Exam for Practical
2 T : Tutorial 6 CT : Marks for class tests (Internal Assessment)
3 P : Practical 7 TU : Marks for tutorials (Internal Assessment)
4 TH : Marks for End Semester Exam for Theory 8 PR(S) : Marks for practical and viva (Internal Assessment)

1. Students will go for 6 Weeks Summer Internship in the Summer Vacations after Fourth Semester. The assessment of the Summer Internship will be done in Fifth Semester

*** Note: AC 4222 IS SAME FOR ALL BRANCHES OF ENGINEERING**

AR4001,AR4002,AR4004,AR4007,AR4008,AR4222 are same as AC4001,AC4002,AC4004,AC4007,AC4008,AC4222 respectively.

GOVT. OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION, JODHPUR
TEACHING AND EXAMINATION SCHEME
(SEMESTER SCHEME-2023-24)
FOR DIPLOMA V SEMESTER (ARCHITECTURE)(AC)
SESSION 2023-2024 & ONWARDS

| Subject Category | Code No. | Subjects | Distribution of Time | | | | Distribution of Max. Marks/ Duration | | | | | | | Total Marks | Credits |
|----------------------|----------|---|----------------------|----------|-----------|-----------|--------------------------------------|------|------------|-----------|---------------------|------------|------------|-------------|-----------|
| | | | Hours per week | | | | End Semester Exam | | | | Internal Assessment | | | | |
| | | | L | T | P | Tot | TH | Hrs. | PR | Hrs. | CT | TU | PR(S) | | |
| BS&AE | #AC 5001 | Building Services & drawing | 2 | 1 | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| PC | #AC 5002 | Building bye laws & Municipal drawings | 2 | 1 | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| OE | #AC 5100 | Open Elective –I | 3 | -- | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| | | +AC 51001- Economic Policies in India | | | | | | | | | | | | | |
| | | +AC 51002- Engineering Economics & Accountancy. | | | | | | | | | | | | | |
| BS&AE | AC 5003 | Building construction - III | 1 | 1 | -- | 2 | 60 | 3 | -- | -- | 20 | 20 | 40 | 100 | 2 |
| PE | #AC 5004 | Professional Elective – II | 3 | -- | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| | | **AC 50041-Green Building & Energy Conservation | | | | | | | | | | | | | |
| | | *AC 50042- Advanced Construction Technology | | | | | | | | | | | | | |
| PE | #AC 5005 | Professional Elective – III | 3 | -- | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| | | AC 50051 – Structural Drawing & Detailing | | | | | | | | | | | | | |
| | | AC 50052 – Town Planning & Landscape Design | | | | | | | | | | | | | |
| PC | AC 5006 | Architecture Design Studio – III Studio | -- | -- | 6 | 6 | -- | -- | 40 | -- | -- | -- | 60 | 100 | 3 |
| PEC | #AC 5007 | Summer Internship-II (6 week after IV Sem) | -- | -- | -- | -- | -- | -- | 100 | -- | -- | -- | -- | 100 | 3 |
| PEC | #AC 5008 | Major Project | -- | -- | 2 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| BS&AE | AC 5009 | Building Construction Studio – III Studio | -- | -- | 4 | 4 | -- | -- | 40 | 3 | -- | -- | 60 | 100 | 2 |
| | | Student Centered Activities | 3 | -- | -- | 3 | -- | -- | -- | 3 | -- | -- | -- | -- | -- |
| | | Total | 17 | 3 | 12 | 32 | | | 180 | -- | 120 | 120 | 160 | 900 | 25 |
| Grand Total : | | | | | | | | | | | | | 900 | 25 | |

1 L : Lecture

2 T : Tutorial

3 P : Practical

4 TH : Marks for End Semester Exam for Theory

5 PR : Marks for End Semester Exam for Practical

6 CT : Marks for class tests (Internal Assessment)

7 TU : Marks for tutorials (Internal Assessment)

8 PR(S) : Marks for practical and viva (Internal Assessment)

1. +AC51001, + AC 51002 are same in all branches of engineering.

2. ** AC 50041 is same as AR/CC/CE/CV 50041

3. * AC 50042 is same as AR/CE 50042

4. # AR5001,AR5002,AR5100,AR5004,AR5005,AR5007,AR5008 are same as AC5001,AC5002,AR5100,AC5004,AC5007,AC5008 respectively.

Student Centric Activities will be graded as A, B, C & D on the basis of drawing work to be conducted as per subject code AC 5002

: Major project will be continued & assessed in VI semester.

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TEACHING AND EXAMINATION SCHEME
(SEMESTER SCHEME-2023-24)
FOR DIPLOMA VI SEMESTER (ARCHITECTURE)(AC)
SESSION 2023-2024 & ONWARDS

| Subject Category | Code No. | Subjects | Distribution of Time | | | | Distribution of Max. Marks/ Duration | | | | | | | Total Marks | Credits |
|----------------------|----------|---|----------------------|----|----|-----|--------------------------------------|------|-----|---------------------|-----|-----|-------|-------------|---------|
| | | | Hours per week | | | | End Semester Exam | | | Internal Assessment | | | | | |
| | | | L | T | P | Tot | TH | Hrs. | PR | Hrs. | CT | TU | PR(S) | | |
| HS | +AC 6111 | Entrepreneurship and Start-ups | 3 | 1 | -- | 4 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 4 |
| PE | *AC 6200 | Open Elective- II | 3 | -- | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| | | *AC 62001- Project management | | | | | | | | | | | | | |
| | | *AC 62002 –Renewable Energy technologies | | | | | | | | | | | | | |
| OE | +AC 6300 | Open Elective III | 3 | -- | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| | | +AC 63001- Product design | | | | | | | | | | | | | |
| | | +AC 63002-Disater Management | | | | | | | | | | | | | |
| OE | +AC 6333 | +Indian Constitution | 1 | -- | -- | 1 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PE | #AC 6001 | Programme Elective IV | 3 | -- | -- | 3 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 3 |
| | | AC 60011- Electrical, HVAC, Fire Safety & Building Automation | | | | | | | | | | | | | |
| | | AC60012-Construction Project Management | | | | | | | | | | | | | |
| PC | #AC 6002 | Working drawing & detailing Lab | -- | -- | 4 | 4 | -- | -- | 40 | 6 | -- | -- | 60 | 100 | 2 |
| PC | #AC 6003 | Architecture Design - IV Lab | -- | -- | 4 | 4 | -- | -- | 40 | 6 | -- | -- | 60 | 100 | 2 |
| PAEC | #AC 6004 | Major Project | -- | -- | 6 | 6 | -- | -- | 40 | 6 | -- | -- | 60 | 100 | 4 |
| PAEC | #AC 6005 | Seminar | 1 | -- | -- | 1 | -- | -- | -- | 3 | -- | -- | 100 | 100 | 1 |
| PE | AC 6006 | Programme Elective V | 1 | 1 | -- | 2 | 60 | 3 | -- | -- | 20 | 20 | -- | 100 | 2 |
| | | AC60061- Professional Practice Code | | | | | | | | | | | | | |
| | | AC60062-Vernacular Architetcure | | | | | | | | | | | | | |
| | | Total | 15 | 2 | 14 | 31 | 300 | -- | 120 | -- | 100 | 100 | 280 | 900 | 24 |
| Grand Total : | | | | | | | | | | | | | 900 | | |

1 L : Lecture

2 T : Tutorial

3 P : Practical

4 TH : Marks for End Semester Exam for Theory

5 PR : Marks for End Semester Exam for Practical

6 CT : Marks for class tests (Internal Assessment)

7 TU : Marks for tutorials (Internal Assessment)

8 PR(S) : Marks for practical and viva (Internal Assessment)

1. +AC 6111, + AC 62001, +AC 62002, + AC63001 , +AC 63002 & AC 6333 are same in all branches of engineering.

2.# AR6001,AR6002,AR6003,AR6004,AR6005 are same as AC6001,AC36002,AC6003,AC6004 & AC6005 respectively.