



## CRITERIA I

**Key Indicator 1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years**

### **DV.V. ANNEXURE – 1.2.1**

1 List of new courses (54 No.) introduced by the affiliating University highlighting the courses introduced in the Institution year-wise has been attached here with.

**Prof. A.V.Purohit**  
(Principal, IDEAS, Nagpur)

**1.2.1 new courses introduced of the total number of courses in B.Arch – Highlighted**

**SCHEME OF EXAMINATION - B.Arch  
FIRST YEAR B.ARCH.**

**Semester -1**

| Sr. No.      | Sub. Code | Sub. Name                               | Category | Board | Load Per Week |          |          |          |           | Credits   |          |          |          |           | Paper/<br>Sessional | Duration<br>in Hours | Max.<br>Marks | Total<br>Marks | Min. Pass<br>Marks |
|--------------|-----------|---|----------|-------|---------------|----------|----------|----------|-----------|-----------|----------|----------|----------|-----------|---------------------|----------------------|---------------|----------------|--------------------|
|              |           |   |          |       | L             | T        | D        | S/P      | Total     | L         | T        | D        | S/P      | Total     |                     |                      |               |                |                    |
| 1            | 1S-A-1    | Basic Design & Visual Art               | DC       | AR    | 2             | 0        | 4        | 0        | 6         | 2         | 0        | 4        | 0        | 6         | Sessional           | –                    | 200           | 200            | 100                |
| 2            | 1S-A-2    | Construction Technology & Materials - I | DC       | AR    | 2             | 0        | 2        | 0        | 4         | 2         | 0        | 2        | 0        | 4         | Sessional           | –                    | 150           | 150            | 75                 |
| 3            | 1S-A-3    | Structural Design & Systems - I         | ES       | AR    | 1             | 1        | 0        | 0        | 2         | 1         | 1        | 0        | 0        | 2         | Sessional           | –                    | 100           | 100            | 50                 |
| 4            | 1S-A-4    | History of Art & Architecture -I        | DC       | AR    | 2             | 1        | 0        | 0        | 3         | 2         | 1        | 0        | 0        | 3         | Sessional           | –                    | 100           | 100            | 50                 |
| 5            | 1S-A-5    | Architectural Graphics I                | DC       | AR    | 3             | 0        | 0        | 2        | 5         | 3         | 0        | 0        | 2        | 5         | Sessional           | –                    | 150           | 150            | 75                 |
| 6            | 1S-A-6    | Workshop Practice- I                    | DC       | AR    | 0             | 0        | 0        | 2        | 2         | 0         | 0        | 0        | 2        | 2         | Sessional           | –                    | 50            | 50             | 25                 |
| 7            | 1S-A-7    | Computer Application(NG)                | DC       | AR    | 0             | 0        | 1        | 1        | 2         | 0         | 0        | 1        | 1        | 2         | Sessional           | –                    | 50            | 50             | 25                 |
| 8            | 1S-AA-1   | Elective a                              | HM       | AR    | 1             | 2        | 0        | 0        | 3         | 1         | 2        | 0        | 0        | 3         | Sessional           | –                    | 100           | 100            | 50                 |
| 9            | 1S-AA-2   | Elective b                              | BS       | AR    | 1             | 2        | 0        | 0        | 3         | 1         | 2        | 0        | 0        | 3         | Sessional           | –                    | 100           | 100            | 50                 |
| <b>TOTAL</b> |           |   |          |       | <b>12</b>     | <b>6</b> | <b>7</b> | <b>5</b> | <b>30</b> | <b>12</b> | <b>6</b> | <b>7</b> | <b>5</b> | <b>30</b> |                     | <b>1000</b>          | <b>1000</b>   | <b>500</b>     |                    |

**Total Paper-0, sessionals- 9 (Passing heads- 9)**

Elective a - Presentation Skills/Public Speaking/Sketching & Rendering/Communication Skills-I

Elective b - Mathematics/Mathematical Applications/Statistical Methods/Numerical Abilities/Scale & Proportion

**Semester -2**

| Sr. No. | Sub. Code | Sub. Name                               | Category | Board | Load Per Week |   |   |     |       | Credits |   |   |     |       | Paper/<br>Sessional      | Duration<br>in Hours | Max.<br>Marks | Total<br>Marks | Min. Pass<br>Marks |
|---------|-----------|---|----------|-------|---------------|---|---|-----|-------|---------|---|---|-----|-------|--------------------------|----------------------|---------------|----------------|--------------------|
|         |           |   |          |       | L             | T | D | S/P | Total | L       | T | D | S/P | Total |                          |                      |               |                |                    |
| 1       | 2S-A-1    | Architectural Design I                  | DC       | AR    | 2             | 0 | 0 | 4   | 6     | 2       | 0 | 0 | 4   | 6     | Sessional<br>Viva - Voce |                      | 100<br>50     | 100<br>50      | 75                 |
| 2       | 2S-A-2    | Construction Technology & Materials -II | DC       | AR    | 2             | 0 | 2 | 0   | 4     | 2       | 0 | 2 | 0   | 4     | Sessional<br>Paper       | 3                    | 50<br>100     | 50<br>100      | 25<br>40           |
| 3       | 2S-A-3    | Structural Design & Systems- II         | ES       | AR    | 2             | 1 | 0 | 0   | 3     | 2       | 1 | 0 | 0   | 3     | Sessional<br>Paper       | 3                    | 30<br>70      | 100            | 40                 |
| 4       | 2S-A-4    | History of Art & Architecture -II       | DC       | AR    | 2             | 1 | 0 | 0   | 3     | 2       | 1 | 0 | 0   | 3     | Sessional<br>Paper       | 3                    | 30<br>70      | 100            | 40                 |

|              |         |                           |    |    |   |   |           |          |          |          |           |           |          |          |                    |           |             |             |
|--------------|---------|---------------------------|----|----|---|---|-----------|----------|----------|----------|-----------|-----------|----------|----------|--------------------|-----------|-------------|-------------|
| 5            | 2S-A-5  | Architectural Graphics II | DC | AR | 2 | 0 | 0         | 2        | 4        | 2        | 0         | 0         | 2        | 4        | Sessional<br>Paper | 3         | 50<br>100   | 50<br>100   |
| 6            | 2S-A-6  | Workshop Practice - II    | DC | AR | 0 | 0 | 1         | 1        | 2        | 0        | 0         | 1         | 1        | 2        | Sessional          |           | 50          | 50          |
| 7            | 2S-A-7  | Climatology               | DC | AR | 1 | 1 | 0         | 0        | 2        | 1        | 1         | 0         | 0        | 2        | Sessional<br>Paper | 3         | 30<br>70    | 100         |
| 8            | 2S-AA-1 | Elective a                | HM | AR | 1 | 2 | 0         | 0        | 3        | 1        | 2         | 0         | 0        | 3        | Sessional          |           | 100         | 100         |
| 9            | 2S-AA-2 | Elective b                | BS | AR | 1 | 2 | 0         | 0        | 3        | 1        | 2         | 0         | 0        | 3        | Sessional          |           | 100         | 100         |
| <b>TOTAL</b> |         |                           |    |    |   |   | <b>13</b> | <b>7</b> | <b>3</b> | <b>7</b> | <b>30</b> | <b>13</b> | <b>7</b> | <b>3</b> | <b>7</b>           | <b>30</b> | <b>1000</b> | <b>1000</b> |

**Total Paper-5, sessionals- 6, viva-voce- 1 (Passing heads- 12)**

Note : Sessional marks in studio subject shall be awarded by viva jointly conducted by external & internal examiner appointed by University. Elective a - Presentation Skills-II/Public Speaking-II/Sketching & Rendering-II/Foreign Languages/Communication Skills-II Elective b - Fundamentals of Painting/Fundamentals of Sculpture/Fundamentals of Drawing Techniques

Fundamentals of Photography/Visual Arts

**SCHEME OF EXAMINATION**

**SECOND YEAR B.ARCH.**

Semester 3

| Sr. No. | Sub. Code | Sub. Name                               | Category | Board | Load Per Week |   |   |     |       | Credits |   |   |     |       | Paper/<br>Sessional    | Duration in<br>Hours | Max.<br>Marks | Total<br>Marks | Min.<br>Pass<br>Marks |
|---------|-----------|---|----------|-------|---------------|---|---|-----|-------|---------|---|---|-----|-------|------------------------|----------------------|---------------|----------------|-----------------------|
|         |           |   |          |       | L             | T | D | S/P | Total | L       | T | D | S/P | Total |                        |                      |               |                |                       |
| 1       | 3S-A-1    | Architectural Design II                 | DC       | AR    | 2             | 0 | 0 | 5   | 7     | 2       | 0 | 0 | 5   | 7     | Sessional<br>Viva-Voce |                      | 100<br>100    | 100<br>100     | 100                   |
| 2       | 3S-A-2    | Construction Technology & Materials III | DC       | AR    | 2             | 0 | 2 | 0   | 4     | 2       | 0 | 2 | 0   | 4     | Sessional<br>Paper     | 3                    | 100<br>100    | 100<br>100     | 50<br>40              |

|              |         |                                   |     |    |   |   |   |           |          |          |          |           |           |          |                 |          |           |             |             |            |
|--------------|---------|-----------------------------------|-----|----|---|---|---|-----------|----------|----------|----------|-----------|-----------|----------|-----------------|----------|-----------|-------------|-------------|------------|
| 3            | 3S-A-3  | Structural Design & Systems-III   | E&T | CE | 2 | 1 | 0 | 0         | 3        | 2        | 1        | 0         | 0         | 3        | Sessional Paper | 3        | 30<br>70  | 100         | 40          |            |
| 4            | 3S-A-4  | History of Art & Architecture III | DC  | AR | 2 | 1 | 0 | 0         | 3        | 2        | 1        | 0         | 0         | 3        | Sessional Paper | 3        | 30<br>70  | 100         | 40          |            |
| 5            | 3S-A-5  | Architectural Graphics -III       | DC  | AR | 1 | 0 | 2 | 0         | 3        | 1        | 0        | 2         | 0         | 3        | Sessional       |          | 50        | 50          | 25          |            |
| 6            | 3S-A-6  | Surveying and Levelling           | DC  | AR | 1 | 0 | 0 | 1         | 2        | 1        | 0        | 0         | 1         | 2        | Sessional       |          | 50        | 50          | 25          |            |
| 7            | 3S-A-7  | Climate & Architecture            | DC  | AR | 1 | 0 | 1 | 0         | 2        | 1        | 0        | 1         | 0         | 2        | Sessional Paper | 3        | 30<br>70  | 100         | 40          |            |
| 8            | 3S-AA-1 | Elective a                        | DE  | AR | 1 | 0 | 2 | 0         | 3        | 1        | 0        | 2         | 0         | 3        | Sessional       |          | 100       | 100         | 50          |            |
| 9            | 3S-AA-2 | Elective b                        | DE  | AR | 1 | 0 | 2 | 0         | 3        | 1        | 0        | 2         | 0         | 3        | Sessional       |          | 100       | 100         | 50          |            |
| <b>TOTAL</b> |         |                                   |     |    |   |   |   | <b>13</b> | <b>2</b> | <b>9</b> | <b>6</b> | <b>30</b> | <b>13</b> | <b>2</b> | <b>9</b>        | <b>6</b> | <b>30</b> | <b>1000</b> | <b>1000</b> | <b>460</b> |

**Total Paper-5, sessionals- 6, viva-voce- 1 (Passing heads- 11)**

Environmental Studies/Rural Architecture/Vernacular Architecture/Environmental Impacts/

Elective a -

Elective b - History of Indian Traditional Art & Crafts/Art Appreciation/Architectural Documentation/Critical Appreciation

Semester 4

| Sr. No.      | Sub. Code | Sub. Name                              | Category | Board | Load Per Week |          |           |          |           | Credits   |          |           |          |           | Paper/<br>Sessional    | Duration<br>in Hours | Max.<br>Marks | Total<br>Marks | Min. Pass<br>Marks |
|--------------|-----------|--|----------|-------|---------------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|------------------------|----------------------|---------------|----------------|--------------------|
|              |           |  |          |       | L             | T        | D         | S/P      | To<br>tal | L         | T        | D         | S/P      | Total     |                        |                      |               |                |                    |
| 1            | 4S-A-1    | Architectural Design III               | DC       | AR    | 2             | 0        | 0         | 5        | 7         | 2         | 0        | 0         | 5        | 7         | Sessional<br>Viva-voce |                      | 150<br>50     | 200            | 100                |
| 2            | 4S-A-2    | Construction Technology & Materials IV | DC       | AR    | 2             | 0        | 3         | 0        | 5         | 2         | 0        | 3         | 0        | 5         | Sessional<br>Paper     | 3                    | 100<br>100    | 100            | 50<br>40           |
| 3            | 4S-A-3    | Structural Design & Systems-IV         | ES       | AR    | 2             | 1        | 0         | 0        | 3         | 2         | 1        | 0         | 0        | 3         | Sessional<br>Paper     | 3                    | 30<br>70      | 100            | 40                 |
| 4            | 4S-A-4    | Building services-1                    | DC       | AR    | 1             | 1        | 0         | 0        | 2         | 1         | 1        | 0         | 0        | 2         | Sessional<br>Paper     | 3                    | 30<br>70      | 100            | 40                 |
| 5            | 4S-A-5    | Architectural Graphics IV              | DC       | AR    | 1             | 0        | 2         | 0        | 3         | 1         | 0        | 2         | 0        | 3         | Sessional              |                      | 50            | 50             | 25                 |
| 6            | 4S-A-6    | Theory of Architecture-I               | DC       | AR    | 1             | 0        | 0         | 1        | 2         | 1         | 0        | 0         | 1        | 2         | Sessional<br>Paper     | 3                    | 30<br>70      | 100            | 40                 |
| 7            | 4S-A-7    | Theory of Landscape Architecture       | DC       | AR    | 1             | 0        | 1         | 0        | 2         | 1         | 0        | 1         | 0        | 2         | Sessional              |                      | 50            | 50             | 25                 |
| 8            | 4S-AA-1   | Elective a                             | DE       | AR    | 1             | 0        | 2         | 0        | 3         | 1         | 0        | 2         | 0        | 3         | Sessional              |                      | 100           | 100            | 50                 |
| 9            | 4S-AA-2   | Elective b                             | DE       | AR    | 1             | 0        | 2         | 0        | 3         | 1         | 0        | 2         | 0        | 3         | Sessional              |                      | 100           | 100            | 50                 |
| <b>TOTAL</b> |           |  |          |       | <b>12</b>     | <b>2</b> | <b>10</b> | <b>6</b> | <b>30</b> | <b>12</b> | <b>2</b> | <b>10</b> | <b>6</b> | <b>30</b> |                        |                      | <b>1000</b>   | <b>1000</b>    | <b>460</b>         |

**Total Paper-4, sessionals- 7 , viva voce-1 (Passing heads- 12)**

Elective a - Graphic Softwares/Web Design/Building Simulation & Modelling/Computer Applications-I

Elective b - Anthropometrics & Ergonomics/Product Design/Design of Building Elements/Photography

**SCHEME OF EXAMINATION**

**THIRD YEAR B.ARCH.**

Semester 5

| Sr. No.      | Sub. Code | Sub. Name                                     | Category | Board | Load Per Week |          |           |          |           | Credits   |          |           |          |           | Paper/<br>Sessional    | Duration<br>in Hours | Max.<br>Marks | Total<br>Marks | Min. Pass<br>Marks |
|--------------|-----------|---|----------|-------|---------------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|------------------------|----------------------|---------------|----------------|--------------------|
|              |           |   |          |       | L             | T        | D         | S/P      | Total     | L         | T        | D         | S/P      | Total     |                        |                      |               |                |                    |
| 1            | 5S-A-1    | Architectural Design IV                       | DC       | AR    | 2             | 0        | 0         | 5        | 7         | 2         | 0        | 0         | 5        | 7         | Sessional<br>Viva-voce |                      | 100<br>100    | 100<br>100     | 100                |
| 2            | 5S-A-2    | Construction Technology & Materials V         | DC       | AR    | 2             | 0        | 4         | 0        | 6         | 2         | 0        | 4         | 0        | 6         | Sessional<br>Paper     | 3                    | 100<br>100    | 100<br>100     | 50<br>40           |
| 3            | 5S-A-3    | Structural Design & Systems-V                 | ES       | AR    | 2             | 1        | 0         | 0        | 3         | 2         | 1        | 0         | 0        | 3         | Sessional<br>Paper     | 3                    | 30<br>70      | 100            | 40                 |
| 4            | 5S-A-4    | Building Services II                          | DC       | AR    | 1             | 1        | 0         | 0        | 2         | 1         | 1        | 0         | 0        | 2         | Sessional<br>Paper     | 3                    | 30<br>70      | 100            | 40                 |
| 5            | 5S-A-5    | Architectural Graphics V<br>(Working Drawing) | DC       | AR    | 1             | 0        | 1         | 0        | 2         | 1         | 0        | 1         | 0        | 2         | Sessional<br>Viva-voce |                      | 50<br>50      | 100            | 50                 |
| 6            | 5S-A-6    | Theory of Architecture -II                    | DC       | AR    | 1             | 0        | 0         | 1        | 2         | 1         | 0        | 0         | 1        | 2         | Sessional              |                      | 50            | 50             | 25                 |
| 7            | 5S-A-7    | Specification                                 | DC       | AR    | 1             | 0        | 1         | 0        | 2         | 1         | 0        | 1         | 0        | 2         | Sessional              |                      | 50            | 50             | 25                 |
| 8            | 5S-AA-1   | Elective a                                    | DE       | AR    | 1             | 0        | 2         | 0        | 3         | 1         | 0        | 2         | 0        | 3         | Sessional              |                      | 100           | 100            | 50                 |
| 9            | 5S-AA-2   | Elective b                                    | DE       | AR    | 1             | 0        | 2         | 0        | 3         | 1         | 0        | 2         | 0        | 3         | Sessional              |                      | 100           | 100            | 50                 |
| <b>TOTAL</b> |           |   |          |       | <b>12</b>     | <b>2</b> | <b>10</b> | <b>6</b> | <b>30</b> | <b>12</b> | <b>2</b> | <b>10</b> | <b>6</b> | <b>30</b> |                        |                      | <b>1000</b>   | <b>1000</b>    | <b>470</b>         |

**Total Paper-4, sessionals- 7 , viva voce-1 (Passing heads- 12)**

Building Automation Systems/Advanced Building Materials/Specialised Services/Computer

Elective a - Applications-II

Elective b - Appropriate Technology/Eco Friendly Architecture/Regional Architecture/Sustainable Development/Green Architecture  
Landscape Design Studio

**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             | T        | D         | S/P      | Total     | L         | T        | D         | S/P      | Total     |                        |                   |             |             |                 |
| 1            | 6S-A-1    | Architectural Design V                         | DC       | AR    | 2             | 0        | 0         | 5        | 7         | 2         | 0        | 0         | 5        | 7         | Sessional<br>Viva-voce |                   | 150<br>50   | 200         | 100             |
| 2            | 6S-A-2    | Construction Technology & Materials VI         | DC       | AR    | 2             | 0        | 4         | 0        | 6         | 2         | 0        | 4         | 0        | 6         | Sessional<br>Paper     | 3                 | 50<br>100   | 50<br>100   | 25<br>40        |
| 3            | 6S-A-3    | Structural Design & Systems-VI                 | ES       | AR    | 2             | 1        | 0         | 0        | 3         | 2         | 1        | 0         | 0        | 3         | Sessional<br>Paper     | 3                 | 30<br>70    | 100         | 40              |
| 4            | 6S-A-4    | Building services -III                         | DC       | AR    | 1             | 1        | 0         | 0        | 2         | 1         | 1        | 0         | 0        | 2         | Sessional<br>Paper     | 3                 | 30<br>70    | 100         | 40              |
| 5            | 6S-A-5    | Architectural Graphics VI<br>(working Drawing) | DC       | AR    | 1             | 0        | 1         | 0        | 2         | 1         | 0        | 1         | 0        | 2         | Sessional<br>Viva-voce |                   | 50<br>50    | 50<br>50    | 50              |
| 6            | 6S-A-6    | Design of Human Settlement                     | DC       | AR    | 1             | 0        | 0         | 1        | 2         | 1         | 0        | 0         | 1        | 2         | Sessional<br>Paper     | 3                 | 30<br>70    | 100         | 40              |
| 7            | 6S-A-7    | Estimate & Costing                             | DC       | AR    | 1             | 0        | 1         | 0        | 2         | 1         | 0        | 1         | 0        | 2         | Sessional              |                   | 50          | 50          | 25              |
| 8            | 6S-AA-1   | Elective a                                     | DE       | AR    | 1             | 0        | 2         | 0        | 3         | 1         | 0        | 2         | 0        | 3         | Sessional              |                   | 100         | 100         | 50              |
| 9            | 6S-AA-2   | Elective b                                     | DE       | AR    | 1             | 0        | 2         | 0        | 3         | 1         | 0        | 2         | 0        | 3         | Sessional              |                   | 100         | 100         | 50              |
| <b>TOTAL</b> |           |  |          |       | <b>12</b>     | <b>2</b> | <b>10</b> | <b>6</b> | <b>30</b> | <b>12</b> | <b>2</b> | <b>10</b> | <b>6</b> | <b>30</b> |                        |                   | <b>1000</b> | <b>1000</b> | <b>460</b>      |

**Total Paper-4, sessionals- 6 , viva voce-2 (Passing heads- 12)**

Elective a - Project Management/Data Management Techniques/Computer Applications in Estimating & Costing/ Architect's Office & Site Practices

Elective b - Advanced Spatial Analysis/Environmental Psychology/Man-Environment Relationship/ Architectural Appreciation

**SCHEME OF EXAMINATION**

**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             | T        | D        | S/P       | Total     | L        | T        | D        | S/P       | Total     |                        |                   |             |             |                 |
| 1            | 7S-A-1    | Architectural Design VI                 | DC       | AR    | 2             | 0        | 0        | 10        | 12        | 2        | 0        | 0        | 10        | 12        | Sessional<br>Viva-voce |                   | 150<br>50   | 150<br>50   | 100             |
| 2            | 7S-A-2    | Construction Technology & Materials VII | DC       | AR    | 1             | 0        | 2        | 0         | 3         | 1        | 0        | 2        | 0         | 3         | Sessional<br>Paper     | 3                 | 100<br>100  | 100<br>100  | 50<br>40        |
| 3            | 7S-A-3    | Building Services-IV                    | DC       | AR    | 1             | 1        | 0        | 0         | 2         | 1        | 1        | 0        | 0         | 2         | Sessional<br>Paper     | 3                 | 30<br>70    | 100         | 40              |
| 4            | 7S-A-4    | Structural Design & Systems-VII         | ES       | AR    | 1             | 1        | 0        | 0         | 2         | 1        | 1        | 0        | 0         | 2         | Sessional<br>Paper     | 3                 | 30<br>70    | 100         | 40              |
| 5            | 7S-A-5    | Research Skills & Project Introduction  | DC       | AR    | 1             | 0        | 2        | 0         | 3         | 1        | 0        | 2        | 0         | 3         | Sessional<br>Viva-voce |                   | 50<br>50    | 50<br>50    | 50              |
| 6            | 7S-A-6    | Acoustics and Illumination              | DC       | AR    | 1             | 0        | 0        | 1         | 2         | 1        | 0        | 0        | 1         | 2         | Sessional<br>Paper     | 3                 | 30<br>70    | 100         | 40              |
| 7            | 7S-AA-1   | Elective a                              | DE       | AR    | 1             | 0        | 2        | 0         | 3         | 1        | 0        | 2        | 0         | 3         | Sessional              |                   | 100         | 100         | 50              |
| 8            | 7S-AA-2   | Elective b                              | DE       | AR    | 1             | 0        | 2        | 0         | 3         | 1        | 0        | 2        | 0         | 3         | Sessional              |                   | 100         | 100         | 50              |
| <b>TOTAL</b> |           |   |          |       | <b>9</b>      | <b>2</b> | <b>8</b> | <b>11</b> | <b>30</b> | <b>9</b> | <b>2</b> | <b>8</b> | <b>11</b> | <b>30</b> |                        |                   | <b>1000</b> | <b>1000</b> | <b>460</b>      |

**Total Paper-4, sessionals- 5 , viva voce-2 (Passing heads- 11)**

Elective a

- Architectural Education/Design Process/Interior Design/Landscape Design/Advanced Spatial Analysis/

Elective b

- Urban Planning/Conservation/Urban Aesthetics/Infrastructure Planning/Valuation



**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             | T | D | S/P | Total | L       | T | D | S/P | Total |                  |                   |            |             |                 |
| 1       | 8S-A-1    | Practical Training Presentation-I | DC       | AR    | -             | - | - | -   | -     | -       | - | - | -   | 12    | Sessional        |                   | 200        | 200         | 100             |
| TOTAL   |           |                                   |          |       |               |   |   |     | -     |         |   |   |     | 12    |                  |                   | 200        | 200         | 100             |

**Total Paper-0, sessionals- 1,(Passing heads- 1)**

**SCHEME OF EXAMINATION**

**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             | T | D | S/P | Total | L       | T | D | S/P | Total     |                  |                   |            |             |                 |
| 1       | 9S-A-1    | Practical Training Presentation-II | DC       | AR    | -             | - | - | -   | -     | -       | - | - | -   | 12        | Sessional        |                   | 200        | 200         | 100             |
|         |           |                                    |          |       |               |   |   |     |       |         |   |   |     | Viva-Voce |                  | 300               | 300        | 150         |                 |
| TOTAL   |           |                                    |          |       |               |   |   |     |       |         |   |   |     | 12        |                  |                   | 500        | 500         | 250             |

**Total Paper-0, sessionals- 0, viva voce-1(Passing heads- 1)**

Semester - 10

| 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             | T        | D        | S/P       | Total     | L        | T        | D        | S/P       | Total     |                        |                   |             |             |                 |
| 1            | 10S-A-1   | Project                                  | DC       | AR    | 2             | 0        | 0        | 16        | 18        | 2        | 0        | 0        | 16        | 18        | Sessional<br>Viva-voce |                   | 350<br>250  | 350<br>250  | 300             |
| 2            | 10S-A-2   | Construction Technology & Materials VIII | DC       | AR    | 1             | 0        | 3        | 0         | 4         | 1        | 0        | 3        | 0         | 4         | Sessional<br>Paper     | 3                 | 100<br>100  | 100<br>100  | 50<br>40        |
| 3            | 10S-A-3   | Professional Practice                    | DC       | AR    | 2             | 0        | 2        | 0         | 4         | 2        | 0        | 2        | 0         | 4         | Sessional<br>Paper     | 3                 | 30<br>70    | 100         | 40              |
| 4            | 10S-AA-1  | Elective a                               | DE       | AR    | 2             | 0        | 2        | 0         | 4         | 2        | 0        | 2        | 0         | 4         | Sessional              |                   | 100         | 100         | 50              |
| <b>TOTAL</b> |           |  |          |       | <b>7</b>      | <b>0</b> | <b>7</b> | <b>16</b> | <b>30</b> | <b>7</b> | <b>0</b> | <b>7</b> | <b>16</b> | <b>30</b> |                        |                   | <b>1000</b> | <b>1000</b> | <b>480</b>      |

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**Total Paper-2, sessionals- 3, viva voce-1 (Passing heads- 6)**

Elective a - industrial architecture/ long span structures/ high rise buildgs./ housing/ campus planning/urban design/High Tech. Architecture

**Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur**  
**Faculty of Engineering & Technology ( Board of Studies of Architecture)**  
**Course and Examination Scheme of Master of Architecture**  
**Choice Base Credit System(CBCS)**

**I Semester M. Arch. (Environmental Architecture)**

| Subject Code          | Subject  | Teaching Scheme |                |                          | Examination Scheme    |                    |             |                    |                       |                      |             |                    |     |     |
|-----------------------|--|-----------------|----------------|--------------------------|-----------------------|--------------------|-------------|--------------------|-----------------------|----------------------|-------------|--------------------|-----|-----|
|                       |  |                 |                |                          | Theory                |                    |             |                    |                       | Practical/ Viva voce |             |                    |     |     |
|                       |  | Hours per week  | No. of Credits | Duration of Paper (Hrs.) | Max. Marks            | Max. Marks         | Total Marks | Min. Passing Marks | Max. Marks            | Max. Marks           | Total Marks | Min. Passing Marks |     |     |
|                       |  |                 |                |                          | University Assessment | College Assessment |             |                    | University Assessment | College Assessment   |             |                    |     |     |
| L                     | P  | S               |                |                          |                       |                    |             |                    |                       |                      |             |                    |     |     |
| PGEA101T              | Society and Environmental Economics            | 3               | -              |                          | 3                     | 3                  | 70          | 30                 | 100                   | 50                   | -           | -                  | -   | -   |
| PGEA102T              | Traditional Knowledge Systems                  | 3               | -              |                          | 3                     | 3                  | 70          | 30                 | 100                   | 50                   | -           | -                  | -   | -   |
| PGEA103T              | Sustainable Building Technology and Management | 3               | -              |                          | 3                     | 3                  | 70          | 30                 | 100                   | 50                   | -           | -                  | -   | -   |
| PGEA104P              | Elective –I (Discipline Specific)              | 1               | -              | 3                        | 4                     |                    |             |                    |                       |                      | 50          | 50                 | 100 | 50  |
| PGOPEN105T            | Elective –II (Open for Architecture)           | 4               | -              |                          | 4                     | 3                  | 70          | 30                 | 100                   | 50                   | -           | -                  | -   | -   |
| PGEA106P              | Environmental Architecture theory              | 1               |                | 3                        | 4                     | -                  | -           | -                  | -                     | -                    | 50          | 50                 | 100 | 50  |
| PGEA107P              | Sustainable design studio-I                    | -               |                | 6                        | 6                     | -                  | -           | -                  | -                     | -                    | 100         | 100                | 200 | 100 |
| <b>Total</b>          |  | 15              | 0              | 12                       |                       | -                  | 280         | 120                | 400                   | -                    | 200         | 200                | 400 | -   |
| <b>Semester Total</b> |  | 27              |                |                          | 27                    | 800 Marks          |             |                    |                       |                      |             |                    |     |     |

Elective 1-1. Contemporary Practices in Sustainable Architecture 2. Housing, Environmental Planning & Policies. 3. Ecological Planning.

\*Open Electives are offered Separately.

## II Semester M. Arch. (Environmental Architecture)

| Subject Code          | Subject  | Teaching Scheme |   | Examination Scheme |                          |            |                       |             |                    |                     |                       |             |                    |                    |
|-----------------------|--|-----------------|---|--------------------|--------------------------|------------|-----------------------|-------------|--------------------|---------------------|-----------------------|-------------|--------------------|--------------------|
|                       |  |                 |   | Theory             |                          |            |                       |             |                    | Practical/Viva voce |                       |             |                    |                    |
|                       |  | Hours per week  |   | No. of Credits     | Duration of Paper (Hrs.) | Max. Marks | Max. Marks            | Total Marks | Min. Passing Marks | Max. Marks          | Max. Marks            | Total Marks | Min. Passing Marks |                    |
|                       |  | L               | P |                    |                          | S          | University Assessment |             |                    | College Assessment  | University Assessment |             |                    | College Assessment |
| PGEA201T              | Environmental Laws and Legislation             | 3               | - | 3                  | 3                        | 70         | 30                    | 100         | 50                 | -                   | -                     | -           | -                  |                    |
| PGEA202T              | Renewable Energy Systems and Technology        | 3               | - | 3                  | 3                        | 70         | 30                    | 100         | 50                 | -                   | -                     | -           | -                  |                    |
| PGEA203T              | Environmental Impact Assessment and mitigation | 3               | - | 3                  | 3                        | 70         | 30                    | 100         | 50                 | -                   | -                     | -           | -                  |                    |
| PGEA204P              | Elective –III (Discipline)                     | 1               | - | 3                  | 4                        |            |                       |             |                    | 50                  | 50                    | 100         | 50                 |                    |
| PGFD205T              | Foundation Courses -I                          | 4               | - | 4                  | 3                        | 70         | 30                    | 100         | 50                 | -                   | -                     | -           | -                  |                    |
| PGEA206P              | Energy audits and codes                        | 1               |   | 3                  | 4                        | -          | -                     | -           | -                  | 50                  | 50                    | 100         | 50                 |                    |
| PGEA207P              | Sustainable design studio-II                   | -               |   | 6                  | 6                        | -          | -                     | -           | -                  | 100                 | 100                   | 200         | 100                |                    |
| <b>Total</b>          |  | 15              | 0 | 12                 |                          | 280        | 120                   | 400         | -                  | 200                 | 200                   | 400         |                    |                    |
| <b>Semester Total</b> |  | 27              |   | 27                 | 800 Marks                |            |                       |             |                    |                     |                       |             |                    |                    |

Elective III- 1. Conservation as a tool for sustainability 2. Restoration of Ecologically Disturbed Sites 3. Climate Responsive Design System.

Foundation Course I- \*Research Methodology for Architecture and Design

\* To be conducted by a Teacher Having Ph.D qualification.

**III Semester M. Arch. (Environmental Architecture)**

| Subject Code          | Subject  | Teaching Scheme |   | Examination Scheme |                |                          |                       |                    |             |                     |                       |                    |             |                    |
|-----------------------|--|-----------------|---|--------------------|----------------|--------------------------|-----------------------|--------------------|-------------|---------------------|-----------------------|--------------------|-------------|--------------------|
|                       |  |                 |   | Theory             |                |                          |                       |                    |             | Practical/Viva voce |                       |                    |             |                    |
|                       |  | Hours per week  |   |                    | No. of Credits | Duration of Paper (Hrs.) | Max. Marks            | Max. Marks         | Total Marks | Min. Passing Marks  | Max. Marks            | Max. Marks         | Total Marks | Min. Passing Marks |
|                       |  | L               | P | S                  |                |                          | University Assessment | College Assessment |             |                     | University Assessment | College Assessment |             |                    |
| PGOPEN301T            | Elective –IV (Open)                                      | 4               | - |                    | 4              | 3                        | 70                    | 30                 | 100         | 50                  | -                     | -                  | -           | -                  |
| PGFD302T              | Foundation Courses -II                                   | 4               | - |                    | 4              | -                        | -                     | -                  | -           | -                   | 50                    | 50                 | 100         | 50                 |
| PGEA303P              | Software simulation tools for Energy Efficient Buildings | 1               |   | 3                  | 4              |                          |                       |                    |             |                     | 50                    | 50                 | 100         | 50                 |
| PGEA304P              | Seminar  | 1               | - | 3                  | 4              | -                        | -                     | -                  | -           | -                   | 50                    | 50                 | 100         | 50                 |
| PGEA305P              | Sustainable design studio- III                           |                 |   | 8                  | 8              |                          |                       |                    |             |                     | 100                   | 100                | 200         | 100                |
| <b>Total</b>          |  | 10              | - | 14                 | 24             | -                        | 140                   | 60                 | 200         | -                   | 150                   | 250                | 400         | -                  |
| <b>Semester Total</b> |  | 24              |   |                    | 24             | 600 Marks                |                       |                    |             |                     |                       |                    |             |                    |

Foundation Course II- Architectural Project Planning & Management

**IV Semester M. Arch. (Environmental Architecture)**

| Subject Code          | Subject                | Teaching Scheme |   | Examination Scheme    |                          |                    |            |                       |             |                     |            |            |             |                    |     |
|-----------------------|------------------------|-----------------|---|-----------------------|--------------------------|--------------------|------------|-----------------------|-------------|---------------------|------------|------------|-------------|--------------------|-----|
|                       |                        | Hours per week  |   | No. of Credits        | Duration of Paper (Hrs.) | Theory             |            |                       |             | Practical/Viva voce |            |            |             |                    |     |
|                       |                        | L               | P |                       |                          | S                  | Max. Marks | Max. Marks            | Total Marks | Min. Passing Marks  | Max. Marks | Max. Marks | Total Marks | Min. Passing Marks |     |
|                       |                        |                 |   | University Assessment |                          | College Assessment |            | University Assessment |             | College Assessment  |            |            |             |                    |     |
| PGEA401P              | Professional Training* |                 |   |                       | 2                        |                    |            |                       |             |                     |            | 50         | -           | 50                 | 25  |
| PGEA402P              | Colloquim              | 1               |   | 3                     | 4                        |                    |            |                       |             |                     |            |            | 50          | 50                 | 25  |
| PGEA403P              | Dissertation           | 2               | - | 10                    | 12                       | -                  | -          | -                     | -           | -                   | -          | 100        | 200         | 300                | 150 |
| <b>Total</b>          |                        | 3               | - | 13                    |                          | -                  | -          | -                     | -           | -                   | -          | 150        | 250         | 400                | -   |
| <b>Semester Total</b> |                        | 16              |   | 18                    | 400 Marks                |                    |            |                       |             |                     |            |            |             |                    |     |

The IV semester will start with Professional Experience (Placement) of duration 8 Weeks.