| RGPV (DIPLOMA<br>WING) BHOPAL |          |   |  | COURSE  | FORM     |        | Sheet<br>No.1/1 |  |  |  |  |
|-------------------------------|----------|---|--|---|----------|--------|-----------------|--|--|--|--|
| Branch Arch                   | itecture | and In  | terior Design  |   | Semester | er III |                 |  |  |  |  |
| Course Code                   | 30       | 2   | Course Name  | struction-II                                    |          |        |                 |  |  |  |  |
| Course Outcon                 | ne1      |   | The student will be able to select floor and wall finish materials for a given architectural or interior work.  Teach Hrs                                      |   |          |        |                 |  |  |  |  |
| Learning Outco                | ome 1    | based   |  | to classify and select has and applications for |          | 9      | 12              |  |  |  |  |
| Contents                      |          | 1.1 Har   | 1.1 Hard floors - Ceramic Tiles, Vitrified Tiles, Ceramic Mosaic Tiles.  |   |          |        |                 |  |  |  |  |
| Method of Asses               | sment    | Externa   | l - Theory(Written   | Test)   |          |        |                 |  |  |  |  |
| Learning Outco                | ome 2    | The student will be able to classify and select Semi-hard floors and soft floors based on their properties and applications for different interior work.  |  |   |          |        |                 |  |  |  |  |
| Contents                      |          | 1.2.1 Semi-hard floors: Linoleum, Vinyl, Wooden Planks, and Parquet flooring 1.2.2 Soft floor: Carpets, Rugs, Cork Tiles  |  |   |          |        |                 |  |  |  |  |
| Method of Asses               | sment    | Internal - Theory (Progressive Test-1)  |  |   |          |        |                 |  |  |  |  |
| Learning Outco                | ome 3    | The stude for intermediate their properties.  | 10   | 12  |          |        |                 |  |  |  |  |
| Contents                      |          | <ul> <li>1.3.1 Basic ingredients of paints, characteristics of an ideal paint.</li> <li>1.3.2 Types of Paints- Primer, Distemper, Cement-Based paint, Enamel and Emulsion Paints, Varnish.</li> <li>1.3.3 Painting process- for walls, metal, and wooden surfaces.</li> </ul> |  |   |          |        |                 |  |  |  |  |
| Method of Asse                | essment  | Externa   | l - Theory (Written  | Test)   |          |        |                 |  |  |  |  |
| Learning Outco                | ome 4    | and wi  | The student will be able to classify and select wall cladding and window covering materials based on their properties and uses for exterior and interior work. |   |          |        |                 |  |  |  |  |
| Contents                      |          | 1.4.1 Stone and Tile Cladding on walls 1.4.2 Wall Papers 1.4.3 Curtains and Venetian Blinds   |  |   |          |        |                 |  |  |  |  |
| Method of Asse                | essment  | Internal  | nal - Term Work (Material Survey -Seminar, Report/PPT)   |   |          |        |                 |  |  |  |  |

| Course Outcome 2     | The student will be able to suggest wood products and miscellaneous materials in the given architectural and interior work   | Teach<br>Hrs.  | Marks |
|----------------------|--|----------------|-------|
| Learning Outcome1    | The student will be able to select Plywood and boards based on their properties and uses for different interior works  | 10             | 12    |
| Contents             | 2.1.1 Plywood<br>2.1.2 Block Boards<br>2.1.3 MDF Boards  |                |       |
| Method of Assessment | External - Theory (Written Test)   |                |       |
| Learning Outcome2    | The student will be able to select wood veneers and laminates based on their properties and uses for different interior works  | 6              | 5     |
| Contents             | <ul><li>2.2.1 Veneers</li><li>2.2.2 Laminates</li></ul>  |                |       |
| Method of Assessment | Internal - Term Work (Material Survey -Seminar, Report/PPT)  |                |       |
| Learning Outcome3    | 9  | 12             |       |
| Contents             | Properties and application of following materials-2.3.1 Waterproofing materials- Asphalt, Bitumen, Rubber. 2.3.2 Roofing Materials- Galvanized Iron Sheet, Corrugated Al Fiber Glass. 2.3.3 False ceiling materials- Gypsum board, Acoustical tiles, a |                | eets, |
| Method of Assessment | External - Theory (Written Test)   |                |       |
| Course Outcome 3     | The student will be able to draft a staircase for a given architectural or interior work.  | Teach<br>Hrs.  | Marks |
| Learning Outcome 1   | The student will be able to work out the number and measurements of tread and risers of a staircase.   | 5              | 10    |
| Contents             | <ul><li>3.1.1 Technical terms related to staircases.</li><li>3.2.2 Requirements of a good staircase (Design of Layout, Treat</li></ul>   | d, Riser)      |       |
| Method of Assessment | Internal - Theory (Progressive Test-2)   |                |       |
| Learning Outcome 2   | The student will be able to differentiate between different types of staircases based on materials used and their shapes.  | 10             | 10    |
| Contents             | <ul><li>3.2.1 Study of different types of staircases based on materials u timber, metal, composite)</li><li>3.2.2 Study of different types of a staircase according to their sl Single-line plans.</li></ul>   |                |       |
| Method of Assessment | Internal - Sessional (Lab work-Teacher's observation)  |                |       |
| Learning Outcome 3   | The student will be able to draft a composite staircase.   | 16             | 10    |
| Contents             | 3.3.1 Study and draft different construction details of a compos   | ite staircase. |       |
| Method of Assessment | External – Practical   |                |       |
| Course Outcome 4     | The student will be able to draft a Partition and False Ceiling for a given interior work.   | Teach<br>Hrs.  | Marks |
| Learning Outcome 1   | The student will be able to differentiate between different partitions for a given interior work.  |                |       |

| Contents             | 4.1.1 Study different types of partitions based on the materials used and also based on their purpose e.g. to restrict vision, to restrict sound or aesthetics, etc. |               |       |  |  |  |  |  |  |
|----------------------|--|---------------|-------|--|--|--|--|--|--|
| Method of Assessment | External – Practical   |               |       |  |  |  |  |  |  |
| Learning Outcome 2   | The student will be able to draft a Partition for a given interior work  | 16            | 22    |  |  |  |  |  |  |
| Contents             | 4.2.1 Draft full-height (wood, glass) and low-height partitions (galong with their construction details  | glass, alumir | nium) |  |  |  |  |  |  |
| Method of Assessment | External - Theory (Written Test)   |               |       |  |  |  |  |  |  |
| Learning Outcome 3   | The student will be able to differentiate between different False Ceilings for a given interior work.  | 6             | 10    |  |  |  |  |  |  |
| Contents             | 4.3.1 Study of different types of false ceilings based on material   | s used        |       |  |  |  |  |  |  |
| Method of Assessment | Internal - Sessional (Lab work-Teacher's observation)  |               |       |  |  |  |  |  |  |
| Learning Outcome 4   | The student will be able to draft a False Ceiling for a given interior work.   | 16            | 15    |  |  |  |  |  |  |
| Contents             | 4.4.1 Draft construction details of different types of false ceiling acoustical tiles) and understanding their different frameworks                                  | gs (gypsum b  | oard, |  |  |  |  |  |  |
| Method of Assessment | External – Practical   |               |       |  |  |  |  |  |  |

| DCDV (D:   | olomo Wing)   | Scheme for   | ь | ranch Co | oue | ` | Course | _oue | Code | Code         |  |
|--|---|--|---|----------|-----|---|--------|------|------|--------------|--|
| RGPV (Dij<br>  Bhopal                              | ploma Wing)   | <b>Learning</b> $A \mid \theta \mid 5 \mid 3 \mid \theta \mid 2 \mid 1 \mid 1 \mid \text{Forma}$ |   |          |     |   |        |      |      | Format No. 4 |  |
| Diiopai  |   | Outcome  |   |          |     |   |        |      |      |              |  |
| COURSE NAME Building Materials and Construction-II |   |  |   |          |     |   |        |      |      |              |  |
| CO Description                                     | The student will be able to select floor and wall finish materials for a given architectural or interior work                             |  |   |          |     |   |        |      |      |              |  |
| LO Description                                     | The student will be able to classify and select hard floors based on their properties and applications for different building components. |  |   |          |     |   |        |      |      |              |  |

Branch Code

Calagrap & Care

CO LO

Course Code

#### **SCHEME OF STUDY**

| S. No. | Learning Content  | Teaching-<br>Learning<br>Method       | Description of T-L Process   |   | Pract.<br>/Tut Hrs. | LRs<br>Required   | Remarks |
|--------|---|---------------------------------------|--|---|---------------------|---|---------|
| 1.1    | 1.1 Hard floors- Ceramic<br>Tiles, Vitrified Tiles,<br>Ceramic Mosaic Tiles | Lecture, site visit,<br>market Survey | <ul> <li>Teacher will explain the contents and provide handouts to students, guide them to study the material on the internet.</li> <li>The student will study and prepare notes.</li> </ul> | 9 | -                   | Chalk-<br>Board,<br>textbooks,<br>block<br>models,<br>Stationery,<br>Projector,<br>Videos |         |

#### SCHEME OF ASSESSMENT

| S. 1 | Mo. Method of Assessment | Description of<br>Assessment                       | Maximum Marks | Resources<br>Required | External<br>/<br>Internal |
|------|--------------------------|--|---------------|-----------------------|---------------------------|
| 1    | Written Test             | Objective, Short Answer, and Descriptive questions | 12            | Stationery            | External-<br>Theory       |

| DCDV (D:-             |   | Scheme for   | _ | runen et | ouc | ` | Course |  | Code | Code                | 1 |
|-----------------------|---|--|---|----------|-----|---|--------|--|------|---------------------|---|
| Bhopal                | oloma Wing )  | <b>Learning</b> $A \mid 0 \mid 5 \mid 3 \mid 0 \mid 2 \mid 1 \mid 2 \mid \text{Format No}$ |   |          |     |   |        |  |      | Format No. <b>4</b> |   |
| Dilopai               |   | Outcome  |   |          |     |   |        |  |      |                     |   |
| COURSE                | <b>Building Materials and Constr</b>  | ruction-II   |   |          |     |   |        |  |      |                     |   |
| NAME                  |   |  |   |          |     |   |        |  |      |                     |   |
| <b>CO Description</b> | The student will be able to select floor and wall finish materials for a given architectural or interior work.  |  |   |          |     |   |        |  |      |                     |   |
| LO Description        | n The student will be able to classify and select Semi-hard floors and soft floors based on their properties and applications for different interior works. |  |   |          |     |   |        |  |      |                     |   |

Branch Code

Sahama far

CO LO

Course Code

#### **SCHEME OF STUDY**

| S. No. | Learning Content  | Teaching-<br>Learning  | Description of T-L Process   |   | Pract.<br>/Tut Hrs. | LRs<br>Required                                   | Remarks |
|--------|---|------------------------|--|---|---------------------|---|---------|
|        | 1.2.1 Semi-hard floors:   | Method Lecture, market |  |   |                     | Chalk- Board,                                     |         |
|        | Linoleum, Vinyl, Wooden Planks, Parquet flooring 1.2.2 Soft floor Carpets, Rugs, Cork Tiles | Survey.                | <ul> <li>Teacher will explain the contents and provide handouts to students, guide them to study the material on the internet.</li> <li>The student will study and prepare notes.</li> </ul> | 9 | -                   | Textbooks, Sample Material, Stationery Projector, |         |
|        |   |                        |  |   |                     | Videos  |         |

#### SCHEME OF ASSESSMENT

| \$<br>S. No. | Method of<br>Assessment | Description of Assessment                                 | Maximum Marks | Resources<br>Required | External<br>/<br>Internal |
|--------------|-------------------------|---|---------------|-----------------------|---------------------------|
| 1            | Progressive Test 1      | Quiz, Objective, Short Answer, and Descriptive questions. | 10            | Stationery            | Internal-<br>Theory       |

| DCDV (D: | mlomo Wing)                          | Scheme for Learning |  | Branch Code |   | Course Code |   |   | CO<br>Code | LO<br>Code            |              |
|----------|--------------------------------------|---------------------|--|-------------|---|-------------|---|---|------------|-----------------------|--------------|
| Bhopal   | ploma Wing)                          |                     |  | 0           | 5 | 3           | 0 | 2 | 1          | $1 \mid 3 \mid^{F_0}$ | Format No. 4 |
|          |                                      | Outcome             |  |             |   |             |   |   |            |                       |              |
| COURSE   | <b>Building Materials and Constr</b> | ruction-II          |  |             |   |             |   |   |            |                       |              |

| COURSE                | Building Materials and Construction-II   |
|-----------------------|--|
| NAME                  |  |
| <b>CO Description</b> | The student will be able to select floor and wall finish materials for a given architectural or interior work.   |
| LO Description        | The student will be able to classify and select types of paints for interior, exterior, metal, and wooden surfaces based on their properties and uses. |

| S. No. | <b>Learning Content</b>  | Teaching-<br>Learning Method | Description of T-L Process  | Teach<br>Hrs. | Pract.<br>/Tut<br>Hrs. | LRs Required  | Remark<br>s |
|--------|--|------------------------------|---|---------------|------------------------|---|-------------|
| 1.3    | 1.3.1 Basic ingredients of paints, characteristics of an ideal paint 1.3.2 Types of Paints- Primer, Distemper, Cement-based paint, Emulsion paint, Enamel Paint, Varnish 1.3.3 Painting process- for walls, metal, and wooden surfaces | site visit                   | <ul> <li>Teacher will explain the contents and provide handouts to students, and guide them for study material on the internet.</li> <li>The student will study and prepare notes.</li> </ul> | 10            | -                      | Chalk-Board,<br>textbook, sample<br>material,<br>Stationery,<br>projector, videos | 12marks     |

## SCHEME OF ASSESSMENT

| S. No. | Method of<br>Assessment | Description of<br>Assessment                              | Maximum Marks | Resources<br>Required | External<br>/<br>Internal |
|--------|-------------------------|---|---------------|-----------------------|---------------------------|
| 1      | Written Test            | Quiz, Objective, Short Answer, and Descriptive questions. | 12            | Stationery            | External (Theory)         |

| DOI          | M. (D.   | 1 3370                    |                                 | Scheme for  | I  | Branch Co | ode    | (       | Course (     | Code    | CO<br>Code       | LO<br>Code |  | 4                   |
|--------------|--|---------------------------|---------------------------------|---|--|-----------|--------|---------|--------------|---------|------------------|------------|--|---------------------|
| RG1<br>Bhoj  | _  | oloma Win                 | g )                             | Learning<br>Outcome   |  | 0         | 5      | 3       | 0            | 2       | 1                | 4          | Format No.   | 4                   |
| COUR<br>NAME |  | <b>Building Materi</b>    | ials and Construct              |   |  |           |        |         |              |         |                  |            |  |                     |
| CO De        | scription  | The student will b        | be able to select flo           | or and wall finish materials for  | a given  | archite   | ctural | or inte | terior work. |         |                  |            |  |                     |
| LO Des       | scription  | The student will be work. | be able to classify a           | nd select wall cladding and win   | dow co   | vering    | mater  | ials ba | ased or      | n their | properti         | es and     | uses for exterior                                  | and interior        |
|              |  |                           |                                 | SCHEME OI   | F STU  | DY        |        |         |              |         |                  |            |  |                     |
| S. No.       | Learning Content Lea   |                           | Teaching-<br>Learning<br>Method | Description   | Description of T-L Process   |           |        |         |              |         | Pract.<br>ut Hrs | S.         | LRs<br>Required                                    | Remarks             |
| 1.4          | 1.4.1 Stone and Tile Cladding on walls  1.4.2 Wall Papers 1.4.3 Curtains and Venetian Blinds  Method  Lecture, site visit, Market Survey, Seminar. |                           |                                 | <ul><li>and provide har guide them to so on the internet.</li><li>The student will survey/Internet.</li></ul> | and provide handouts to students, guide them to study the material on the internet.  The student will do a market survey/Internet-based study and prepare a report or PPT in the |           |        |         |              |         |                  | Sa<br>Vi   | nalk-Board,<br>mple material,<br>deos,<br>ojector, |                     |
|              | 1  |                           |                                 | SCHEME OF AS  | SSESS  | MEN       | T      |         |              |         |                  |            |  |                     |
| S. No.       | Metho<br>Assessi   |                           |                                 | Description of Assessment   |  |           |        |         |              |         | nximui<br>rks    |            | Resources<br>Required                              | External / Internal |
| 1            | Term work  | Material                  | survey - Seminar, I             | Report/PPT  |  |           |        |         |              |         | 5                |            | Assessment   | Internal            |

ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY) 5

Assessment

Rubrics

- Term

work

| DCI          | OV (Dir   | lomo     | Wind              | - )                       | Scheme for                   | I                | Branch Co                             | ode      | (               | Course (                               | Code       | CO<br>Code  | LO<br>Code        |  | 1                      |
|--------------|---|----------|-------------------|---------------------------|------------------------------|------------------|---------------------------------------|----------|-----------------|--|------------|-------------|-------------------|--|------------------------|
| Bho          | PV (Dip<br>nal  | noma     | . <b>VV 111</b> 2 | 3)                        | Learning                     | $\boldsymbol{A}$ | 0                                     | 5        | 3               | 0                                      | 2          | 2           | 1                 | Format No  | . <b>4</b>             |
| Diloj        | pai   |          |                   |                           | Outcome                      |                  |                                       |          |                 |  |            |             |                   |  |                        |
| COUR<br>NAME |   | Building | g Materia         | lls and Constructi        | on-II                        |                  |                                       |          |                 |  |            |             |                   |  |                        |
| CO De        | scription   | The stud | dent will         | be able to suggest        | wood products and miscella   | neous n          | ateria                                | ls in tl | he giv          | given architectural and interior work. |            |             |                   |  |                        |
| LO Des       | scription   | The stud | dent will         | be able to select p       | lywood and boards based or   | their p          | roperti                               | ies and  | d uses          | for di                                 | fferen     | t interio   | or worl           | ks.  |                        |
|              |   |          |                   |                           | SCHEME O                     | F STU            | DY                                    |          |                 |  |            |             |                   |  |                        |
| S. No.       | Learning Content  |          |                   |                           | each<br>Irs.                 | _                | ract.<br>it Hrs                       | •        | LRs<br>Required | Remarks                                |            |             |                   |  |                        |
| 2.1          | 2.1.1 Plywo<br>2.1.2 Block<br>2.1.3 MDF                         | Boards   |                   | Lecture,<br>Market survey | • Teacher will explain       |                  | students, guide them on the internet. |          | 1               | 10                                     |            |             | B<br>V<br>P<br>sa | Chalk-Board,<br>Block Models,<br>Videos,<br>Projector,<br>ample<br>rawings |                        |
|              | l   |          |                   |                           | SCHEME OF A                  | SSESS            | MEN                                   | T        |                 |  |            |             |                   |  |                        |
| S. No.       | Metho<br>Assessr  |          |                   |                           | Description of<br>Assessment |                  |                                       |          |                 |  | Max<br>Mar | kimum<br>ks |                   | Resources<br>Required  | External /<br>Internal |
| 1            | Written Test Objective, Short Answer, and Descriptive questions |          |                   |                           |                              |                  |                                       |          |                 | 12                                     | S          | tationery   | External (Theory) |  |                        |

| RGPV (Diploma Wing )<br>Bhopal |                                  | Scheme for                         | Branch Code |         |          | Course Code |        |         | CO<br>Code | LO<br>Code | Format No. 4 |
|--------------------------------|----------------------------------|------------------------------------|-------------|---------|----------|-------------|--------|---------|------------|------------|--------------|
|                                |                                  | Learning                           | A           | 0       | 5        | 3           | 0      | 2       | 2          | 2          |              |
|                                |                                  | Outcome                            |             |         |          |             |        |         |            |            |              |
| COURSE<br>NAME                 | 0                                |                                    |             |         |          |             |        |         |            |            |              |
| CO Description                 | The student will be able to sug  | gest wood products and miscelland  | eous n      | ateria  | ls in tl | he giv      | en arc | hitectu | ıral and   | l interi   | or work.     |
| LO Description                 | The student will be able to sele | ect wood veneers and laminates, ba | ased or     | ı their | prope    | erties a    | and us | ses for | differer   | ıt inter   | ior works.   |

| S. No. | Learning Content              | Teaching-<br>Learning                 | Description of T-L Process T  |   | Pract.<br>/Tut Hrs. | LRs<br>Required  | Remarks |
|--------|-------------------------------|---------------------------------------|---|---|---------------------|--|---------|
| 2.2    | 2.2.1 Veneers 2.2.2 Laminates | Method Lecture, Market Survey Seminar | <ul> <li>Teacher will explain the contents and provide handouts to students, guide them to study the material on the internet.</li> <li>The student will do a market survey/Internet-based study and prepare a report/PPT.</li> </ul> | 6 |                     | Chalk-Board,<br>Block Models,<br>Videos,<br>Projector,<br>Sample<br>Drawings |         |

## SCHEME OF ASSESSMENT

| S. No. | Method of<br>Assessment | Description of Assessment             | Maximum<br>Marks | Resources<br>Required | External / Internal    |
|--------|-------------------------|---------------------------------------|------------------|-----------------------|------------------------|
| 1      | Term Work               | Material survey - Seminar, Report/PPT | 5                | Assessment<br>Rubrics | Internal  — Term  work |

| RGPV (Diploma Wing )<br>Bhopal   |  | Scheme for                             | F                | Branch Code |   | Course Code |   | CO<br>Code | LO<br>Code | Format No. 4 |  |
|--|--|--|------------------|-------------|---|-------------|---|------------|------------|--------------|--|
|  |  | Learning                               | $\boldsymbol{A}$ | 0           | 5 | 3           | 0 | 2          | 2          | 3            |  |
|  |  | Outcome                                |                  |             |   |             |   |            |            |              |  |
| COURSE<br>NAME   | <b>Building Materials and Const</b>  | Building Materials and Construction-II |                  |             |   |             |   |            |            |              |  |
| CO Description The student will be able to suggest wood products and miscellaneous materials in the given architectural and interior work. |  |  |                  |             |   |             |   | or work.   |            |              |  |
| LO Description   | The student will be able to select waterproofing, roofing, and false ceiling materials based on their properties and uses for different building |  |                  |             |   |             |   |            |            |              |  |

CO LO

# **SCHEME OF STUDY**

components.

| S. No. | Learning Content  | Teaching-<br>Learning | Description of T-L Process  |   | Pract.<br>/Tut Hrs. | LRs<br>Required                          | Remarks |
|--------|---|-----------------------|---|---|---------------------|--|---------|
|        |   | Method                |   |   |                     | _  |         |
| 2.3    | Properties and application of the following materials-  | Lecture               | • Teacher will explain the contents and provide handouts to students, guide them to study the material on the internet. | 9 |                     | Chalk-Board,<br>Block Models,<br>Videos, |         |
|        | 2.3.1 Waterproofing materials- Asphalt, Bitumen, Rubber |                       | • The student will study and prepare notes.   |   |                     | Projector,<br>Sample<br>drawings         |         |
|        | 2.3.2 Roofing Materials-                                |                       |   |   |                     | diawings                                 |         |
|        | Galvanized Iron Sheet,                                  |                       |   |   |                     |  |         |
|        | Corrugated Aluminum Sheets, Fiber Glass                 |                       |   |   |                     |  |         |
|        | 2.3.3 False ceiling materials-                          |                       |   |   |                     |  |         |
|        | Gypsum board, Acoustical                                |                       |   |   |                     |  |         |
|        | tiles, and panels                                       |                       |   |   |                     |  |         |

#### SCHEME OF ASSESSMENT

| S. No. | Method of<br>Assessment | Description of Assessment                          | Maximum<br>Marks | Resources<br>Required | External<br>/<br>Internal |
|--------|-------------------------|--|------------------|-----------------------|---------------------------|
| 1      | Written Test            | Objective, Short Answer, and Descriptive questions | 12               | Stationery            | External (Theory))        |

| RGPV (Diploma Wing )<br>Bhopal  |  | Scheme for | Branch Code      |   |   | Course Code |         |       | CO<br>Code | LO<br>Code | Format No. 4 |
|---|--|------------|------------------|---|---|-------------|---------|-------|------------|------------|--------------|
|   |  | Learning   | $\boldsymbol{A}$ | 0 | 5 | 3           | 0       | 2     | 3          | 1          |              |
|   |  | Outcome    |                  |   |   |             |         |       |            |            |              |
| COURSE  | <b>Building Materials and Const</b>  | ruction-II |                  |   |   |             |         |       |            |            |              |
| NAME  |  |            |                  |   |   |             |         |       |            |            |              |
| <b>CO Description</b>   | CO Description The student will be able to draft a staircase for a given architectural or interior work. |            |                  |   |   |             |         |       |            |            |              |
| LO Description The student will be able to work out the number and measurer |  |            |                  |   |   |             | a staiı | case. |            |            |              |

| S. No. | Learning Content  | Teaching-<br>Learning<br>Method                              | Description of T-L Process  | Teach<br>Hrs. | Pract.<br>/Tut Hrs. | LRs<br>Required  | Remarks |
|--------|---|--|---|---------------|---------------------|--|---------|
| 3.1    | <ul><li>3.1.1 Technical terms related to staircases.</li><li>3.2.2 Requirements of a good staircase (Design of Layout, Tread, Riser).</li></ul> | Lecture, Educational site visit, Group Discussions, Drafting | <ul> <li>The teacher will explain the contents through examples/block models, samples in the material display workshop and provide handouts to students.</li> <li>The student will observe, note down the key points, and draft on drawing sheets.</li> </ul> | 2             | 3                   | Chalk-Board,<br>Block Models,<br>Videos,<br>Projector,<br>Sample<br>drawings |         |

## SCHEME OF ASSESSMENT

| S. No | Method of<br>Assessment | Description of<br>Assessment               | Maximum<br>Marks | Resources<br>Required | External / Internal |
|-------|-------------------------|--|------------------|-----------------------|---------------------|
| 1     | Progressive Test 2      | Objective, Short answer, Drafting Exercise | 10               | Stationery            | Internal-<br>Theory |

| RGPV (Diploma Wing )     |           | Scheme for | F                | Branch Co | ode | ( | Course C | ode | CO<br>Code | LO<br>Code | Format No. 4 |
|--------------------------|-----------|------------|------------------|-----------|-----|---|----------|-----|------------|------------|--------------|
| RGF v (Dipic<br>  Bhopal | ma wing ) | Learning   | $\boldsymbol{A}$ | 0         | 5   | 3 | 0        | 2   | 3          | 2          |              |
| Бпораг                   |           | Outcome    |                  |           |     |   |          |     |            |            |              |
| COLIDGE                  |           | **         | •                |           | •   | • | •        | •   | •          |            |              |

| COURSE                | Building Materials and Construction-II  |
|-----------------------|---|
| NAME                  |   |
| <b>CO Description</b> | The student will be able to draft a staircase for a given architectural or interior work.                                 |
| LO Description        | The student will be able to differentiate between different types of staircases based on materials used and their shapes. |

| S. No. | Learning Content                 | Teaching-            | Description of T-L Process            | Teach | Pract.    | LRs           | Remarks |
|--------|----------------------------------|----------------------|---------------------------------------|-------|-----------|---------------|---------|
|        |                                  | Learning             | •                                     | Hrs.  | /Tut Hrs. | Required      |         |
|        |                                  | Method               |                                       |       |           |               |         |
|        | 3.2.1 Study of different types   |                      | • Teacher will explain the contents   |       |           | Chalk-Board,  |         |
|        | of staircases based on           | Lecture, Educational | through examples/block models,        |       |           | Block Models, |         |
| 3.2    | materials used (R.C.C., stone,   | site visit, Drafting | samples in the material display       | 5     | 5         | Videos,       |         |
| 3.2    | timber, metal, composite)        | Demonstration        | workshop and provide handouts to      | 3     | 3         | Projector,    |         |
|        | 3.2.2 Study of different types   |                      | students.                             |       |           | Sample        |         |
|        | of staircases according to their |                      | • The student will observe, note down |       |           | drawings      |         |
|        | shapes, and draw their Single-   |                      | the key points, and draft on drawing  |       |           |               |         |
|        | line plans                       |                      | sheets.                               |       |           |               |         |

### SCHEME OF ASSESSMENT

| S. No. | Method of<br>Assessment | Description of Assessment | Maximum<br>Marks | Resources<br>Required  | External<br>/<br>Internal |
|--------|-------------------------|---------------------------|------------------|------------------------|---------------------------|
| 1      | Lab work                | Drawing Portfolio         | 10               | Assessment/<br>Rubrics | Internal (Lab<br>Work)    |

| ` •   | oma vving ) – – – – – – – – – – – – – – – – – –   |  | Scheme for Branch Code |   |   |   |   | Course Code |   |   | - N 1        |
|---|---|--|------------------------|---|---|---|---|-------------|---|---|--------------|
| RGPV (Diploma Wing )<br>Bhopal  |   | Learning                               | $\boldsymbol{A}$       | 0 | 5 | 3 | 0 | 2           | 3 | 3 | Format No. 4 |
|   |   | Outcome                                |                        |   |   |   |   |             |   |   |              |
| COURSE INAME  | Building Materials and Constr   | Building Materials and Construction-II |                        |   |   |   |   |             |   |   |              |
| CO Description T  | The student will be able to draft a staircase for a given architectural or interior work. |  |                        |   |   |   |   |             |   |   |              |
| LO Description The student will be able to draft a composite staircase. |   |  |                        |   |   |   |   |             |   |   |              |

| S. No. | Learning Content  | Teaching-<br>Learning Method                                    | Description of T-L Process   | Teach<br>Hrs. | Pract.<br>/Tut<br>Hrs. | LRs Required  | Remarks |
|--------|---|---|--|---------------|------------------------|---|---------|
|        | 3.3.1 Study and draft different construction details of a composite staircase | Manual Drafting, Educational site visit, Drafting Demonstration | Teacher will explain the terminologies used in the composite staircase through pictures and sample drawings, and explain drafting techniques through demonstration. The student will observe and sketch/draw the same. |               | 14                     | Chalk-Board, Drafting instruments and materials, Videos, Projector, Books, Magazines and Sample Sketches/Drawings |         |

# SCHEME OF ASSESSMENT

| S. No. | Method of<br>Assessment | Description of Assessment | Maximum<br>Marks | Resources<br>Required | External / Internal  |
|--------|-------------------------|---------------------------|------------------|-----------------------|----------------------|
| 1      | Practical               | Written test, Viva.       | 10               | Stationery            | External (Practical) |

| DCDV (Di-                                     | olomo Wina )  | Scheme for                           | Branch Code      |         |         | Course Code |   |   | CO<br>Code | LO<br>Code |              |
|---|---|--------------------------------------|------------------|---------|---------|-------------|---|---|------------|------------|--------------|
| ` -   | oloma Wing )  | Learning                             | $\boldsymbol{A}$ | 0       | 5       | 3           | 0 | 2 | 4          | 1          | Format No. 4 |
| Bhopal  |   | Outcome                              |                  |         |         |             |   |   |            |            |              |
| COURSE Building Materials and Construction-II |   |                                      |                  |         |         |             |   |   |            |            |              |
| NAME<br>CO Description                        | The student will be able to draft   | ft a Partition and False Ceiling for | a give           | n inter | rior we | ork.        |   |   |            |            |              |
|   | CO Description The student will be able to draft a Partition and False Ceiling for a given interior work.  LO Description The student will be able to differentiate between different partitions for a given interior work. |                                      |                  |         |         |             |   |   |            |            |              |

| S. No. | Learning Content   | Teaching-<br>Learning Method                          | Description of T-L Process   | Teach<br>Hrs. | Pract.<br>/Tut | LRs Required  | Remarks |
|--------|--|---|--|---------------|----------------|---|---------|
| 4.1    | 4.1.1 Study different types of partitions based on the materials used and also based on their purpose e.g. to restrict vision, to restrict sound or aesthetics, etc. | Educational site visit,<br>Drafting-<br>demonstration | Teacher will explain the various types of partitions through pictures and sample drawings.  The student will observe, note down the key points, and draft on drawing sheets. | 6             |                | Chalk-Board, Drafting instruments and materials, Videos, Projector, Books, Magazines and Sample Sketches/Drawings |         |

## SCHEME OF ASSESSMENT

| S. No | Method of Assessment | Description of Assessment | Maximum<br>Marks | Resources<br>Required | External /<br>Internal |
|-------|----------------------|---------------------------|------------------|-----------------------|------------------------|
| 1     | Practical            | Written Test/Viva.        | 5                | Stationery            | External (Practical)   |

| DCDV (Di-      | olomo Wina )   | Scheme for   | Branch Code      |   |   | Course Code |   |   | CO<br>Code | LO<br>Code |                     |
|----------------|--|--|------------------|---|---|-------------|---|---|------------|------------|---------------------|
| Bhopal         | oloma Wing )   | Learning   | $\boldsymbol{A}$ | 0 | 5 | 3           | 0 | 2 | 4          | 2          | Format No. <b>4</b> |
| ынораг         |  | Outcome  |                  |   |   |             |   |   |            |            |                     |
| COURSE<br>NAME | Building Materials and Construction-II   |  |                  |   |   |             |   |   |            |            |                     |
|                | The student will be able to draf   | The student will be able to draft a Partition and False Ceiling for a given interior work. |                  |   |   |             |   |   |            |            |                     |
| LO Description | ption The student will be able to draft a Partition for a given interior work. |  |                  |   |   |             |   |   |            |            |                     |

| S. No. | Learning Content            | Teaching-<br>Learning Method                          | Description of T-L Process   | Teach<br>Hrs. | Pract.<br>/Tut<br>Hrs. | LRs Required  | Remarks |
|--------|-----------------------------|---|--|---------------|------------------------|---|---------|
|        | aluminium) along with their | Educational site visit,<br>Drafting<br>Demonstration. | Teacher will explain the terminologies used in partitions through pictures and sample drawings. Then explain drafting techniques through demonstration. The student will observe and sketch/draw the same. | 2             | 14                     | Chalk-Board, Drafting instruments and materials, Videos, Projector, Books, Magazines and Sample Sketches/Drawings |         |

#### SCHEME OF ASSESSMENT

| S. No. | Method of<br>Assessment | Description of Assessment | Maximum<br>Marks | Resources<br>Required | External /<br>Internal |
|--------|-------------------------|---------------------------|------------------|-----------------------|------------------------|
| 1      | Written Test            | Drafting Exercises        | 22               | Stationery            | External<br>Theory     |

| RGPV (Diploma Wing )<br>Bhopal |  | Scheme for Learning |  | Branch Code |   |   | Course Code |   |   | LO<br>Code |              |
|--------------------------------|--|---------------------|--|-------------|---|---|-------------|---|---|------------|--------------|
|                                |  |                     |  | 0           | 5 | 3 | 0           | 2 | 4 | 3          | Format No. 4 |
|                                |  | Outcome             |  |             |   |   |             |   |   |            |              |
| COURSE<br>NAME                 | Building Materials and Construction-II   |                     |  |             |   |   |             |   |   |            |              |
|                                | The student will be able to draft a Partition and False Ceiling for a given interior work.                           |                     |  |             |   |   |             |   |   |            |              |
| LO Description                 | LO Description The student will be able to differentiate between different False Ceilings for a given interior work. |                     |  |             |   |   |             |   |   |            |              |

| S. No. | Learning Content  | Teaching-<br>Learning Method | Description of T-L Process  | Teach<br>Hrs. | Pract.<br>/Tut<br>Hrs. | LRs Required  | Remarks |
|--------|---|------------------------------|---|---------------|------------------------|---|---------|
| 4.3    | 4.3.1 Study of different types of false ceilings based on materials used. | Drafting<br>Demonstration.   | Teacher will explain the terminologies used in false ceilings through pictures and sample drawings. Then explain drafting techniques through demonstration. The students will observe and sketch/draw the same. |               | 4                      | Chalk-Board, Drafting instruments and materials, Videos, Projector, Books, Magazines and Sample Sketches/Drawings |         |

## SCHEME OF ASSESSMENT

| S. No. | Method of<br>Assessment | Description of Assessment | Maximum<br>Marks | Resources<br>Required | External /<br>Internal |
|--------|-------------------------|---------------------------|------------------|-----------------------|------------------------|
| 1      | Lab work                | Drawing Portfolio         | 10               | Dirheron              | Internal (Lab<br>Work) |

| RGPV (Diploma Wing )<br>Bhopal  |  | Scheme for |                  | Branch Code |   | Course Code |   | CO<br>Code | LO<br>Code |   |              |
|---|--|------------|------------------|-------------|---|-------------|---|------------|------------|---|--------------|
|   |  | Learning   | $\boldsymbol{A}$ | 0           | 5 | 3           | 0 | 2          | 4          | 4 | Format No. 4 |
|   |  | Outcome    |                  |             |   |             |   |            |            |   |              |
| COURSE  | Building Materials and Construction-II |            |                  |             |   |             |   |            |            |   |              |
| NAME  | <b>IE</b>                              |            |                  |             |   |             |   |            |            |   |              |
| CO Description The student will be able to draft a Partition and False Ceiling for a given interior work. |  |            |                  |             |   |             |   |            |            |   |              |

LO Description | The student will be able to draft a False Ceiling for a given interior work.

| S. No. | Learning Content   | Teaching-<br>Learning Method | Description of T-L Process   | Teach<br>Hrs. | Pract.<br>/Tut | LRs Required  | Remarks |
|--------|--|------------------------------|--|---------------|----------------|---|---------|
|        | 4.4.1 Draft construction details of different types of false ceilings (gypsum board, acoustical tiles) and understanding their different frameworks. | Demonstration.               | Teacher will explain the terminologies used in building section drawing through pictures and sample drawings and explain drafting techniques through demonstration. The student will observe and sketch/draw the same. | 2             |                | Chalk-Board, Drafting instruments, and materials, Videos, Projector, Books, Magazines, and Sample Sketches/Drawings |         |

#### SCHEME OF ASSESSMENT

| S. No. | Method of<br>Assessment | Description of Assessment | Maximum<br>Marks | Resources<br>Required | External / Internal  |
|--------|-------------------------|---------------------------|------------------|-----------------------|----------------------|
| 1      | Practical               | Written test, Viva.       | 15               | Stationery            | External (Practical) |