



# SAMRAT ASHOK TECHNOLOGICAL INSTITUTE

(ENGG. COLLEGE)

(An Autonomous Institute Affiliated to RGPV, Bhopal)

Vidisha (M.P.) 464001

## SCHEME OF EXAMINATION W.E.F. 2011-12

### First Semester – M.E. Transportation Engg.

| S. No | Subject Code | Subject Name               | Periods per week |          |           | Credits   | Maximum Marks (Theory Slot) |             |                    | Maximum Marks (Practical Slot) |                                                | Total Marks |
|-------|--------------|----------------------------|------------------|----------|-----------|-----------|-----------------------------|-------------|--------------------|--------------------------------|------------------------------------------------|-------------|
|       |              |                            | L                | T        | P         |           | End Sem. Marks              | Tests (Two) | Assignments / Quiz | End Sem. Practical / Viva      | Practical Record/ Assign. / Quiz/ Presentation |             |
| 1     | METPE-1111   | Highway Material & Testing | 3                | 1        | -         | 4         | 70                          | 20          | 10                 | -                              | -                                              | 100         |
| 2     | METPE -1112  | Transportation Planning    | 3                | 1        | -         | 4         | 70                          | 20          | 10                 | -                              | -                                              | 100         |
| 3     | METPE -1113  | Highway Geometric Design   | 3                | 1        | -         | 4         | 70                          | 20          | 10                 | -                              | -                                              | 100         |
| 4     | METPE -1114  | Highway Equipment          | 3                | 1        | -         | 4         | 70                          | 20          | 10                 | -                              | -                                              | 100         |
| 5     | METPE -1115  | Elective (E-I)             | 3                | 1        | -         | 4         | 70                          | 20          | 10                 | -                              | -                                              | 100         |
| 6     | METPE-1116   | Lab. I (Adv. Computer W/S) | -                | -        | 6         | 6         | -                           | -           | -                  | 90                             | 60                                             | 150         |
| 7     | METPE-1117   | Lab. II (Adv. Highway)     | -                | -        | 6         | 6         | -                           | -           | -                  | 90                             | 60                                             | 150         |
|       |              | <b>Total</b>               | <b>15</b>        | <b>5</b> | <b>12</b> | <b>32</b> | <b>350</b>                  | <b>100</b>  | <b>50</b>          | <b>180</b>                     | <b>120</b>                                     | <b>800</b>  |

**L : Lecture T : Tutorial P : Practical**

**Elective – I : (i) Low Cost Road.**

**ii) Bituminous Concrete Road Construction**

**(iii) Cement Concrete Road Construction**

**(iv) Adv. Mathematics**



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## SCHEME OF EXAMINATION W.E.F. 2011-12

### Second Semester – M.E. Transportation Engg.

| S. No | Subject Code | Subject Name                  | Periods per week |          |           | Credits   | Maximum Marks (Theory Slot) |             |                    | Maximum Marks (Practical Slot) |                                                | Total Marks |
|-------|--------------|-------------------------------|------------------|----------|-----------|-----------|-----------------------------|-------------|--------------------|--------------------------------|------------------------------------------------|-------------|
|       |              |                               | L                | T        | P         |           | End Sem. Marks              | Tests (Two) | Assignments / Quiz | End Sem. Practical / Viva      | Practical Record/ Assign. / Quiz/ Presentation |             |
| 1     | METPE-1121   | Pavement Analysis & Design    | 3                | 1        | -         | 4         | 70                          | 20          | 10                 | -                              | -                                              | 100         |
| 2     | METPE -1122  | Traffic Engg. & Filed Studies | 3                | 1        | -         | 4         | 70                          | 20          | 10                 | -                              | -                                              | 100         |
| 3     | METPE -1123  | Highway Construction          | 3                | 1        | -         | 4         | 70                          | 20          | 10                 | -                              | -                                              | 100         |
| 4     | METPE -1124  | Elective (E-II)               | 3                | 1        | -         | 4         | 70                          | 20          | 10                 | -                              | -                                              | 100         |
| 5     | METPE -1125  | Elective (E-III)              | 3                | 1        | -         | 4         | 70                          | 20          | 10                 | -                              | -                                              | 100         |
| 6     | METPE -1126  | Lab. III                      | -                | -        | 6         | 6         | -                           | -           | -                  | 90                             | 60                                             | 150         |
| 7     | METPE -1127  | Lab. IV                       | -                | -        | 6         | 6         | -                           | -           | -                  | 90                             | 60                                             | 150         |
|       |              | <b>Total</b>                  | <b>15</b>        | <b>5</b> | <b>12</b> | <b>32</b> | <b>350</b>                  | <b>100</b>  | <b>50</b>          | <b>180</b>                     | <b>120</b>                                     | <b>800</b>  |

**L : Lecture T : Tutorial P : Practical**

**Elective – II : (i) Airport Planning & Design (ii) Highway Bridges (iii) Tunnel Engg. (iv) Harbour & Dock Engg.**

**Elective – III : (i) Highway Subgrade & Foundation Analysis (ii) Advances in concrete Technology (iii) Fiber Reinforced Concrete (iv) Adv. Highway Equipments**