

Name of Course: XII Automobile Technology (GA, GB, GC)  
Paper I Automotive Vehicle Technology (GA)

**BLUE PRINT**

| Sr. No | Unit                        | Knowledge |              |             | Understanding |              |             | Application |              |             | Total marks | Total marks with option |
|--------|-----------------------------|-----------|--------------|-------------|---------------|--------------|-------------|-------------|--------------|-------------|-------------|-------------------------|
|        |                             | Objects   | Short Answer | Long Answer | Objects       | Short Answer | Long Answer | Objects     | Short Answer | Long Answer |             |                         |
| 1      | Clutch                      | 1(1)      | 3(1)         |             | 1(1)          |              | 4(1)        |             |              | 6(1)        | 10          | 15                      |
| 2      | Gear Box                    | 1(1)      |              |             | 1(2)          | 3(1)         | 4(1)        |             |              | 6(1)        | 11          | 16                      |
| 3      | Drive line                  |           |              |             | 1(1)          | 3(1)         |             | 1(1)        | 3(1)         | 4(1)        | 08          | 12                      |
| 4      | Rear axle and differential  | 1(1)      | 3(1)         |             |               | 3(1)         |             | 1(1)        |              | 4(1)        | 08          | 12                      |
| 5      | Steering system             |           |              | 4(1)        | 1(1)          | 3(2)         |             | 1(1)        | 3(1)         |             | 10          | 15                      |
| 6      | Suspension system           | 1(1)      | 3(1)         |             | 1(1)          |              | 4(1)        | 1(1)        |              | 4(1)        | 10          | 14                      |
| 7      | Brake                       |           | 3(1)         |             | 1(1)          |              | 4(2)        | 1(1)        |              | 6(1)        | 12          | 19                      |
| 8      | Wheels and tyres            |           |              | 4(1)        |               |              | 6(1)        | 1(2)        |              |             | 08          | 12                      |
| 9      | Diagnosis of Vehicle repair |           |              |             |               |              |             | 1(2)        | 3(1)         |             | 03          | 05                      |
|        | No of question              | 04        | 04           | 02          | 07            | 05           | 06          | 09          | 03           | 06          |             |                         |
|        | Total Marks                 | 04        | 12           | 08          | 07            | 15           | 26          | 09          | 09           | 30          |             |                         |
|        | Marks with options          | 24        |              |             | 48            |              |             | 48          |              |             | 80          | 120                     |

\*\* Figure in the brackets indicates number of question. Figure outside the brackets indicates marks each.

Name of Course: XII Automobile Technology (GA, GB, GC)

Paper II Automotive Dealership (GB)

**BLUE PRINT**

| Sr. No. | Unit                                       | Knowledge |              |             | Understanding |              |             | Application |              |             | Total marks | Total marks with option |
|---------|--|-----------|--------------|-------------|---------------|--------------|-------------|-------------|--------------|-------------|-------------|-------------------------|
|         |  | Object s  | Short Answer | Long Answer | Object s      | Short Answer | Long Answer | Object s    | Short Answer | Long Answer |             |                         |
| 1       | Introduction of Automobile Dealer          | 1(1)      | 3(1)         |             | 1(1)          |              |             | 1(1)        | 3(1)         |             | 6           | 9                       |
| 2       | Retail & Institutional sale                | 1(1)      |              | 4(1)        | 1(2)          |              | 4(1)        | 1(2)        |              | 4(2)        | 14          | 21                      |
| 3       | Vehicle accessories & value added services |           | 3(1)         |             | 1(1)          | 3(1)         | 4(1)        | 1(1)        | 3(1)         |             | 10          | 15                      |
| 4       | Spare part Operation                       | 1(1)      |              | 4(1)        | 1(1)          | 3(1)         | 6(1)        |             | 3(1)         |             | 12          | 18                      |
| 5       | Monitor & warranty                         | 1(2)      |              |             |               | 3(1)         | 4(2)        | 1(2)        |              | 6(1)        | 14          | 21                      |
| 6       | Tools & Equipment                          | 1(1)      | 3(1)         |             |               |              | 4(1)        | 1(1)        | 3(1)         | 6(1)        | 12          | 18                      |
| 7       | Special Tools & equipment                  | 1(1)      |              |             | 1(1)          | 3(1)         | 4(1)        |             | 3(1)         | 6(1)        | 12          | 18                      |
|         | No.of Question                             | 7         | 3            | 2           | 6             | 4            | 7           | 7           | 5            | 5           |             |                         |
|         | Total Marks                                | 7         | 9            | 8           | 6             | 12           | 30          | 7           | 15           | 26          | 80          | 120                     |
|         | Marks with options                         | 24        |              |             | 48            |              |             | 48          |              |             |             |                         |

\*\* Figure in the brackets indicates number of question. Figure outside the brackets indicates marks each

Name of Course: XII Automobile Technology (GA, GB, GC)  
Paper III Automotive Service Technology & Driving Skills (GC)

**BLUE PRINT**

| Sr. No | Unit                    | Knowledge |              |             | Understanding |              |             | Application |              |             | Total marks | Total marks with option |
|--------|-------------------------|-----------|--------------|-------------|---------------|--------------|-------------|-------------|--------------|-------------|-------------|-------------------------|
|        |                         | Objects   | Short Answer | Long Answer | Objects       | Short Answer | Long Answer | Objects     | Short Answer | Long Answer |             |                         |
| 1      | Engine                  | 1(1)      |              |             | 1(1)          |              |             |             |              | 6(1)        | 05          | 08                      |
| 2      | Fuel system             |           |              |             | 1(1)          |              |             | 1(1)        |              |             | 02          | 02                      |
| 3      | Lubrication System      |           |              |             |               | 3(1)         |             |             |              |             | 02          | 03                      |
| 4      | Cooling system          |           |              |             |               |              |             |             | 3(1)         |             | 02          | 03                      |
| 5      | Electrical system       | 1(1)      |              |             |               |              |             | 1(1)        |              | 4(1)        | 04          | 06                      |
| 6      | Clutch                  |           |              |             |               | 3(1)         | 4(1)        | 1(1)        |              |             | 05          | 08                      |
| 7      | Gear box                |           |              |             |               | 3(1)         | 4(1)        |             |              |             | 04          | 07                      |
| 8      | differential            |           |              |             |               |              | 4(1)        |             |              |             | 03          | 04                      |
| 9      | Suspension system       | 1(1)      |              |             |               | 3(1)         |             |             |              | 4(1)        | 05          | 08                      |
| 10     | Steering system         |           |              |             |               |              | 4(1)        | 1(1)        | 3(1)         |             | 05          | 08                      |
| 11     | brake                   |           | 3(1)         |             | 1(1)          |              |             |             |              | 6(1)        | 07          | 10                      |
| 12     | Wheels and tyres        | 1(1)      |              |             |               |              | 4(1)        | 1(1)        |              |             | 04          | 06                      |
| 13     | Air conditioning system |           |              |             |               |              |             |             | 3(1)         |             | 02          | 03                      |
| 14     | Categories of           |           | 3(1)         |             |               |              |             |             |              | 6(1)        | 06          | 09                      |

|    |                       |      |      |      |      |      |      |      |    |      |    |     |
|----|-----------------------|------|------|------|------|------|------|------|----|------|----|-----|
|    | vehicles              |      |      |      |      |      |      |      |    |      |    |     |
| 15 | Motor vehicles rules  |      | 3(1) |      |      |      |      |      |    | 6(1) | 06 | 09  |
| 16 | road transport        | 1(1) |      |      |      |      | 4(1) | 1(1) |    |      | 04 | 06  |
| 17 | Environment pollution |      |      | 4(1) |      | 3(1) |      |      |    |      | 05 | 07  |
| 18 | Automotive insurance  | 1(1) |      | 4(1) | 1(1) |      |      | 1(1) |    |      | 05 | 07  |
| 19 | Driving Skill         | 1(1) |      |      | 1(2) | 3(1) |      |      |    |      | 04 | 06  |
|    | No of Question        | 07   | 03   | 02   | 06   | 06   | 06   | 07   | 03 | 06   |    |     |
|    | Total Marks           | 07   | 09   | 08   | 06   | 18   | 24   | 7    | 09 | 32   |    |     |
|    | Marks with options    | 24   |      |      | 48   |      |      | 48   |    |      | 80 | 120 |

\*\* Figure in the brackets indicates number of question. Figure outside the brackets indicates marks each.

Name of Course: XII Automobile Technology (GA, GB, GC)  
Paper I Automotive Vehicle Technology (GA)

Time: 3.00 Hrs.

80 Marks

**A) Unitwise Distribution of Marks:**

| Sr. No. | Unit                        | Number of Periods | Marks | Marks with Option |
|---------|-----------------------------|-------------------|-------|-------------------|
| 1       | Clutch                      | 16                | 10    | 15                |
| 2       | Gear Box                    | 18                | 11    | 16                |
| 3       | Drive line                  | 10                | 08    | 12                |
| 4       | Rear axle and differential  | 12                | 08    | 12                |
| 5       | Steering system             | 16                | 10    | 15                |
| 6       | Suspension system           | 12                | 10    | 14                |
| 7       | Brake                       | 18                | 12    | 19                |
| 8       | Wheels and tyres            | 12                | 08    | 12                |
| 9       | Diagnosis of Vehicle repair | 06                | 03    | 05                |
|         | Total:                      | 120               | 80    | 120               |

**B) Objectivewise Distribution of Marks:**

| Sr. No. | Objectives    | Marks | Percentage | Marks with Option |
|---------|---------------|-------|------------|-------------------|
| 1       | Knowledge     | 24    | 30         | 24                |
| 2       | Understanding | 28    | 35         | 48                |
| 3       | Application   | 28    | 35         | 48                |
|         | Total:        | 80    | 100        | 120               |

**C) Questionwise Distribution Of Marks:**

| Sr. No. | Type of the Question | Marks | Percentage | Marks with Option |
|---------|----------------------|-------|------------|-------------------|
| 1       | Objective            | 20    | 25         | 20                |
| 2       | Short Answer Type    | 24    | 30         | 36                |
| 3       | Long Answer Type     | 36    | 45         | 64                |
|         | Total:               | 80    | 100        | 120               |

Name of Course: XII Automobile Technology (GA, GB, GC)  
Paper II Automotive Dealership (GB)

Time: 3.00 Hrs.

80 Marks

**A) Unitwise Distribution of Marks:**

| Sr. No. | Unit  | Number of Periods | Marks | Marks with Option |
|---------|---|-------------------|-------|-------------------|
| 1       | Introduction of Automobile Dealer           | 12                | 06    | 09                |
| 2       | Retail and Institutional Sale               | 18                | 14    | 21                |
| 3       | Vehicle Accesories and Value added Services | 20                | 10    | 15                |
| 4       | Spare Part Operation                        | 18                | 12    | 18                |
| 5       | Monitor and Warranty                        | 16                | 14    | 21                |
| 6       | Tools and Equipments                        | 18                | 12    | 18                |
| 7       | Special Tools and Equipments                | 18                | 12    | 18                |
|         | Total:                                      | 120               | 80    | 120               |

**B) Objectivewise Distribution of Marks:**

| Sr. No. | Objectives    | Marks | Percentage | Marks with Option |
|---------|---------------|-------|------------|-------------------|
| 1       | Knowledge     | 24    | 30         | 24                |
| 2       | Understanding | 28    | 35         | 48                |
| 3       | Application   | 28    | 35         | 48                |
|         | Total:        | 80    | 100        | 120               |

**C) Questionwise Distribution Of Marks:**

| Sr. No. | Type of the Question | Marks | Percentage | Marks with Option |
|---------|----------------------|-------|------------|-------------------|
| 1       | Objective            | 20    | 25         | 20                |
| 2       | Short Answer Type    | 24    | 30         | 36                |
| 3       | Long Answer Type     | 36    | 45         | 64                |
|         | Total:               | 80    | 100        | 120               |

Name of Course: XII Automobile Technology (GA, GB, GC)

Paper III Automotive Service Technology and Driving Skills (GC)

Time: 3.00 Hrs.

80 Marks

**A) Unitwise Distribution of Marks:**

| Sr. No. | Unit                    | Number of Periods | Marks | Marks with Option |
|---------|-------------------------|-------------------|-------|-------------------|
| 1       | Engine                  | 08                | 05    | 08                |
| 2       | Fuel system             | 05                | 02    | 02                |
| 3       | Lubrication System      | 04                | 02    | 03                |
| 4       | Cooling system          | 04                | 02    | 03                |
| 5       | Electrical system       | 07                | 04    | 06                |
| 6       | Clutch                  | 07                | 05    | 08                |
| 7       | Gear box                | 06                | 04    | 07                |
| 8       | Differential            | 04                | 03    | 04                |
| 9       | Suspension system       | 07                | 05    | 08                |
| 10      | Steering system         | 08                | 05    | 08                |
| 11      | Brake                   | 08                | 07    | 10                |
| 12      | Wheels and tyres        | 04                | 04    | 06                |
| 13      | Air conditioning system | 03                | 02    | 03                |
| 14      | Categories of vehicles  | 09                | 06    | 09                |
| 15      | Motor vehicles rules    | 09                | 06    | 09                |
| 16      | Road Transport          | 06                | 04    | 06                |
| 17      | Environment pollution   | 07                | 05    | 07                |
| 18      | Automotive insurance    | 08                | 05    | 07                |
| 19      | Driving Skill           | 06                | 04    | 06                |
|         | Total Marks             | 120               | 80    | 120               |

**B) Objectivewise Distribution of Marks:**

| Sr. No. | Objectives    | Marks | Percentage | Marks with Option |
|---------|---------------|-------|------------|-------------------|
| 1       | Knowledge     | 24    | 30         | 24                |
| 2       | Understanding | 28    | 35         | 48                |
| 3       | Application   | 28    | 35         | 48                |
|         | Total:        | 80    | 100        | 120               |

**C) Questionwise Distribution Of Marks:**

| <b>Sr. No.</b> | <b>Type of the Question</b> | <b>Marks</b> | <b>Percentage</b> | <b>Marks with Option</b> |
|----------------|-----------------------------|--------------|-------------------|--------------------------|
| 1              | Objective                   | 20           | 25                | 20                       |
| 2              | Short Answer Type           | 24           | 30                | 36                       |
| 3              | Long Answer Type            | 36           | 45                | 64                       |
|                | Total:                      | 80           | 100               | 120                      |





C) State the following sentences is true or false

[5X1=5]

a)

b)

c)

d)

e)

D) Answer the following in one sentence only

[5X1=5]

a)

b)

c)

d)

e)

Que 2 Attempt any FOUR of the following

[4X3=12]

a)

b)

c)

d)

e)

f)

Que 3 Attempt any FOUR of the following

[4X3=12]

a)

b)

c)

d)

e)

f)

