

17616

16172

3 Hours / 100 Marks

Seat No.

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- Instructions :**
- (1) All Questions are *compulsory*.
  - (2) Answer each next main Question on a new page.
  - (3) Illustrate your answers with neat sketches wherever necessary.
  - (4) Figures to the right indicate full marks.
  - (5) Assume suitable data, if necessary.
  - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

1. (A) Attempt any THREE of the following :

12

- (a) Define the terms :
  - (i) Goods vehicle
  - (ii) Conductor
  - (iii) Stage carriage
  - (iv) Fare
- (b) What is driving license ? State documents required to obtain it.
- (c) Give any four types of form used in MVA. State its purpose.
- (d) State any four objectives of taxation.

(B) Attempt any ONE of the following :

06

- (a) State the situations in which ownership of motor vehicle transferred.  
Write the procedure for transfer of ownership in one situation.
- (b) Describe tapered scale or telescopic method used in MSRTC to decide fare.

**2. Attempt any FOUR of the following :****16**

- (a) Write suspension or cancellation of driving licensing in certain cases.
- (b) Write the general provision regarding construction & maintenance of motor vehicle.
- (c) State various types of bookings used in transport management.
- (d) Which vehicles are exempted from permit ? Why ?
- (e) Differentiate between STA and RTA claiming vehicle.
- (f) State the elements considered for site selection for a bus depot.

**3. Attempt any FOUR of the following :****16**

- (a) Write the factors considered for valuation of vehicle.
- (b) Define terms :
  - (i) Public place
  - (ii) Vehicle schedule
  - (iii) Time table
  - (iv) Route
- (c) Calculate number of buses required for transport operation between terminals A & B & prepare a bus schedule for data given below :-
  - (i) Distance between A & B is 100 kms.
  - (ii) Buses are operated throughout the day between 6.00 am. to 8.00 pm. with frequency of 1 Hr.
  - (iii) Running time is 3Hrs & standing time is 1 Hr.
- (d) State the passenger amenities & infrastructure facilities required.
- (e) Write the procedure to hire a truck for transport operation.

4. (A) Attempt any THREE of the following : 12

- (a) Describe how will you prepare for selling your old vehicle.
- (b) Write the steps involved in accident survey report.
- (c) How warranty system is useful in case of an accident ?
- (d) What is the role of PCRA in Automobile Industry ?

(B) Attempt any ONE of the following : 06

- (a) What is registration mark ? Give form & manner in which registration mark is displayed for :
  - (i) Motor vehicle
  - (ii) Transport vehicle
- (b) Describe basic elements in transport management.

5. Attempt any FOUR of the following : 16

- (a) What factors are to be considered while buying a new motor vehicle ?
- (b) How a navigation system is useful in controlling the traffic ?
- (c) State any four advantages of smart card.
- (d) Draw traffic signs for:
  - (i) No Entry
  - (ii) Compulsory turn left.
- (e) List two advanced traffic devices & state their importance.
- (f) Write the role of Automobile engineers in Automobile Industry.

6. Attempt any **FOUR** of the following :

16

- (a) Give the checklist for buying a used vehicle.
  - (b) Write the function carried out in CIRT.
  - (c) Write the full form of CRRI, VRDE, PCRA, ARAI.
  - (d) List any four diesel vehicle manufacturers in India & mention one model of each.
  - (e) Draw organisational structure of MSRTC.
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