

17616

15116

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**
- (i) What is Driving Licence? State documents required to obtain it.
 - (ii) Define the following terms according to MVA-
 - 1) Unladen weight
 - 2) Permit
 - 3) Goods vehicle
 - 4) Tax
 - (iii) In relation to motor vehicle, what is certificate of fitness? State its validity.
 - (iv) Describe necessity and procedure to register a newly purchased car.

P.T.O.

b) Attempt any ONE of the following:**06**

- (i) What is registration mark? Give form and manner in which registration mark is displayed for -
 - 1) Motor cycle
 - 2) Transport vehicle
- (ii) Draw a layout for depot of MSRTC and state infrastructural facilities provided.

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

- a) State and describe types of motor vehicle insurance.
- b) Which vehicles are exempted from tax? Why?
- c) In relation to transportation, write the meaning of following terms -
 - (i) Public service vehicle
 - (ii) Trip
 - (iii) Fare
 - (iv) Vehicle schedule
- d) Differentiate between STA and RTA.
- e) State four general provisions regarding construction and maintenance of motor vehicle according to CMVA.
- f) State four basic elements in transport management.

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

- a) State the factors to be considered for valuation of vehicle.
- b) Write the procedure to hire a truck for transport operation.
- c) What are the costs to be taken into account for calculating freight charges in goods transport operation?
- d) Calculate number of buses required for transport operation between terminals A and B and prepare a bus schedule for data given below -
 - (i) Distance between A and B is 100 kms.
 - (ii) Buses are operated throughout the day between 6.00 a.m. to 8.00 p.m. with frequency of 1 Hr.
 - (iii) Running time is 3 Hrs. and standing time is 1 Hr.
- e) Describe tapered scale or telescopic method used in MSRTC to decide fare.

4. a) Attempt any THREE of the following:**12**

- (i) What factors should be considered for buying a used vehicle?
- (ii) What is 'Accident survey report'? State its necessity.
- (iii) Describe how will you prepare for selling your old vehicle?
- (iv) What is the role of PCRA in automobile industry?

b) Attempt any ONE of the following:**06**

- (i) State the situations in which ownership of motor vehicle is transferred. Write the procedure for transfer of ownership in any one situation.
- (ii) List types of records for goods transport operation. Describe any two of them.

- 5. Attempt any FOUR of the following:** **16**
- a) Explain importance of warranty system and protection of law.
 - b) Draw traffic signs for -
 - (i) No parking
 - (ii) Overtaking prohibited
 - c) Describe vehicle and traffic navigation system.
 - d) List two advanced traffic control devices and state their importance.
 - e) Describe features and usefulness of smart card.
 - f) Draw organisational structure of MSRTC.
- 6. Attempt any FOUR of the following:** **16**
- a) Give tips and points to be checked for buying a new vehicle.
 - b) Write four functions of ARAI.
 - c) Explain the role of CIRT in transport management.
 - d) Describe the working of BEST.
 - e) Give any four diesel vehicle manufacturers in India and mention one model of each.
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