





**(ENGLISH)**

[ TIME ALLOWED—3 HOURS ]

(MARKS—100)

**SERVICE MAINTENANCE AND VEHICLE RULES (TH-III)****Marks**1. (a) Fill in the blanks (any *five*) :—

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(i) Hacksaw is used for .....

(a) cutting (b) parting (c) shear (d) none of the above.

(ii) File is used for .....

(a) cutting, (b) filing,  
(c) removing unwanted metal, (d) none of the above.

(iii) Bearing puller is used for .....

(a) pulling bearing  
(b) installing bearing  
(c) pulling and installing bearing  
(d) none of the above.

(iv) L end Key (Allwyn) is used for .....

(a) removing Allwyn bolts  
(b) installing Allwyn bolts  
(c) installing and removing Allwyn bolts  
(d) none of the above.

(v) Screwdriver is used for .....

(a) loosening screws  
(b) removing screws  
(c) loosening screws and removing screws  
(d) none of the above.

(vi) While applying for new driving licence of vehicle Form No. .... is used.

(a) 2 (b) 4 (c) 8 (d) 9.

(b) Write *true* or *false* (any *five*) :—

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(i) Torque Wrench is used for tightening nuts and bolts with specified torque.

(ii) Cleaning and degreasing method is after completion of work.

(iii) Special Jigs and fixtures used for certian components.

(iv) Motor Vehicle Inspection of old vehicles is carried out after ten years.

(v) Motor cycle with less than four wheels means 'L 1' category type of vehicle.

(vi) Motorcycle driving licence can be obtain after attaining eithteen years of age.

(c) State long form (any *five*) :—

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(i) BS-IV (ii) P. P.M. (iii) NOx  
(iv) I. O. C. (v) O and M (vi) H. S. R. P.

[ Turn over

- (d) Match the pairs :— 5
- | ‘ A ’ Group                   | ‘ B ’ Group   |
|-------------------------------|---|
| (i) Red traffic sign          | (a) School crossing   |
| (ii) Fluorescent-Yellow sign  | (b) Railroad crossing ahead   |
| (iii) Yellow pentagon         | (c) warn drivers of nearby schools.                                 |
| (iv) Fluorescent-yellow green | (d) to take immediate action to avoid threats to traffic safety.    |
| (v) Yellow circle             | (e) prepare drivers for specific road conditions and hazards ahead. |
2. Answer the following (any *two*) :— 16
- How to apply for third party insurance ?
  - What are the legal requirements of weight and type of luggage ?
  - Which are the documents required for obtaining registration certificate ?
  - How vehicle is produced for inspection ?
3. Answer the following (any *two*) :— 16
- What is importance of vehicle inspection ?
  - Difference between traffic signs and traffic signals.
  - What are the methods of shop ventilations ?
  - Write the importance of sequence of operation.
4. Answer in brief (any *two*) :— 16
- How vehicles are stored ?
  - Write the discipline of work in relation with personal movement.
  - Write the method of storing of components.
  - Important general attentiveness while overtaking and high speed.
5. Write a short note (any *four*) :— 16
- Tax certificate
  - Shop cleanliness
  - Methods of using drill machine
  - Bench Vice
  - Scraper
  - Electric circuit diagrams.
6. Attempt the following (any *two*) :— 16
- Requirements of speed under various road conditions.
  - Write about care and maintenance of hand tools.
  - Metals used in vehicles in the point of view of handling in repairs, servicing.
  - Explain importance of air compressor.
  - Explain importance of information provided in booklet.
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