

अनुलग्नक - 'ए' /ANNEXURE -'A'

Syllabus

Name of the Post- HEMM Operator (Trainee)

(100 questions, MCQ of one mark each) -100 Marks

(100 प्रश्न, वस्तुनिष्ठ बहुविकल्पीय प्रश्न प्रत्येक 1 अंक का)- 100 अंक

CBT will be Common Paper for all Operators posts, the syllabus is as follows: -

- 1. Road Signs & Signals:** Mandatory, Cautionary, Informatory signs.
- 2. Traffic Rules:** Overtaking, parking, stopping, use of horn, speed limits, lane discipline.
- 3. Motor Vehicle Act Basics:** Documents (RC, DL, Insurance, PUC), penalties, general road safety.
- 4. Elementary Knowledge of Machine:** Functioning of engine, Braking System, cooling system, steering system, tyres, Gear system -Manual and Automatic, indicators, lights, rear-view mirrors and other safety devices, basic knowledge of common type of lubricant, Auto Electric with knowledge of battery, alternator etc.
- 5. General Awareness/ Knowledge:** Current affairs, mental ability, reasoning, various Government Initiatives and Schemes etc. Awareness of Traffic rules & signals, Emission Standards, Driving rules, safety rules, meaning of different traffic signals, permissible speed at different location, Indian Emission standards for vehicles, Motor Vehicle Acts & Rules, General Science.
- 6. Basic Mathematical Aptitude:** 10th Standard Arithmetic calculations, distance, displacement, speed/ velocity, relative velocity, acceleration related problems, Triangles, Simple trigonometry, heights and distance, Average, Time and work, Simple and Compound interest etc.