

1.
 - (i) A technician has found noise in a synchromesh gearbox, suggest possible reasons and remedies
 - (ii) Name one simple test to identify the difference between a clutch with drag (difficulty in engaging gear) and a worn synchromesh device
2. Explain troubles associated with the gear box. With a Tabular column enumerate the different gearbox troubles, symptoms and its troubleshoot
3. Draw up a service schedule for the gearbox in tabular format. In it identify the following:
 - i. Type of oil used and the quantity required
 - ii. Security and soundness of gearbox mountings
 - iii. Oil leaks and remedial work required
 - iv. Noise coming from the gearbox when in operation
 - v. Ease of gear engagement and play in the gear linkage