

Duration: 30 Mins

Total Marks: 38

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1. What is the main feature of hydraulic actuated clutches?

- A) Pedal effort transmitted through coupling
B) Pedal effort transmitted through spring
C) Pedal effort transmitted through fluid
D) Pedal effort transmitted through linkage

2. What is the advantage of using single plate hydraulic clutch?

- A) Effective frictional force obtained
B) Reduce the wear on the clutch plate
C) Easy repair and maintenance
D) Minimize the force to operate the clutch

3. Which type of gear box provided with helical gears?

- A) Constant mesh gear box
B) Auto synchromesh gear box
C) Synchromesh gear box
D) Sliding mesh gear box

4. What is the role of ABS brakes?

- A) Increase frictional power
B) Prevents skidding of vehicles
C) Reduce the brake failures
D) Provide positive braking

5. What is the permitted range of pedal play observed in the heavy vehicle?

- A) 6 -10 mm
B) 15 -18 mm
C) 16 -20 mm
D) 2 -4 mm

6. Which type of gear will have more than one tooth in contact at the same time

- A) Spur gear
B) Rack and Pinion
C) Helical gear
D) Spur bevel gear

7. Which part of dual mass fly wheel isolate the fly wheel mass system of the engine?

- A) Crank shaft
B) Gear box
C) Vibration damper
D) Cam shaft

8. Which type of gear teeth are straight and parallel to the gear axis

- A) Worm gear
B) Bevel gear

C) Spur gear

D) Helical gear

9. Which instrument is used to check the face out of the fly wheel?

- A) Inside micrometer
B) Outside micrometer
C) Dial indicator
D) Bore dial gauge

10. What is the working principle of clutch?

- A) Centripetal
B) Screw and Nut
C) Sliding
D) Friction

11. What is the permitted diffraction angle of double joint?

- A) 50 Degree
B) 72 Degree
C) 58 Degree
D) 62 Degree

12. Which type of drive line used in high gears and high speed applications?

- A) Center wheel drive line
B) Front wheel drive line
C) Rear wheel drive line
D) All wheel drive line

13. What is the advantage of dog clutch?

- A) Easy maintenance and repair
B) Less pedal force to operate
C) No possibility of slip
D) More frictional area

14. Which type of gear box can be operated even by unskilled driver?

- A) Synchromesh gear box
B) Compound wheel mesh gear box
C) Sliding mesh gear box
D) Constant mesh gear box

15. What is the battery system used for heavy vehicles?

- A) Provide caution to the driver
B) 6 volts
C) 24 volts
D) 12 volts

16. Which factor does not affect the torque transmission by clutch?

- A) Axial load on the clutch
B) Co-efficient of friction

C) Size of clutch plat D) Number of clutch plates used

17. What is the function of steering system?

- A) To control the fuel system B) To control the braking system
C) To guide the vehicle D) To increase the engine RPM

18. Which system making the drive cabin comfortable for driving?

- A) Starting system B) Steering system
C) Charging system D) HVAC system

19. What is the name of seal used between two parts that do not move in relation to each other?

- A) Square cut seal B) Teflow seal
C) Static seal D) Dynamic seal

20. Which part of heavy vehicle deals with static and dynamic loads without deflection or distortion?

- A) Chassis and frames B) Power trains
C) Engine D) Control system

21. Which type of gear converts rotary motion in to linear motion and vice versa?

- A) Rack and Pinion B) Spur gear
C) Helical gears D) Bevel gear

22. What is the permitted diffraction angle of tripod joint?

- A) 18 Degree B) 26 Degree
C) 32 Degree D) 13 Degree

23. Which type of seal allows a controlled amount of fluid leakage to lubricant moving parts?

- A) Static seal B) Positive seal
C) Dynamic seal D) Non - positive seal

24. Which type of system is to isolate the vehicle body from road shock and vibration?

- A) Hydraulic system B) Steering system
C) Suspension system D) Control system

25. What is the advantage of mechanical actuated type clutches?

- A) Less pedal effort B) Smooth functioning
C) Easy to operate D) Less maintenance and repair

26. What is the advantage of using constant mesh gear box?

- A) Efficient lubrication possible B) Smooth power transmission
C) Wrong adjustment of gear will not affect the function D) Quick change of gear obtained

27. What is the function of clutch?

- A) Increase and decrease the RPM of engine B) Prevent malfunctioning of fly wheel
C) Connect and disconnect power flow engine to gear box D) Reduce the noise during engine running

28. Which is noise free clutch?

- A) Diaphragm spring type clutch B) Multi plate clutch
C) Single plate clutch D) Dog clutch

29. Which system not connected with electrical system?

- A) Steering system B) Charging system
C) Suspension system D) Transmission system

30. Which type of clutch provides more frictional area and simple in construction?

- A) Cone clutch B) Diaphragm spring clutch
C) Dog clutch D) Multi plate clutch

31. Which way the steering system increase the tire life?

- A) By maintaining proper angle between tyres B) By applying grease on the steering controls
C) Providing proper brake adjustment D) Providing adequate lubrication

32. Which type of joint permit small diffraction angle and linear variations?

- A) Double joint B) Tripod joint
C) Pot joint D) Flexible discs

33. Which type of gear will not produce axial thrust while transmitting torque

- A) Worm gears B) Helical gears
C) Spur gear D) Spiral bevel gear

34. What is the advantage of using power steering system?

- A) To enhance the fuel efficiency B) To turn and control vehicle with less effort
C) To reduce the fuel consumption D) To increase the engine power

35. What is the advantage of dual mass fly wheel?

- A) Reduction of gear box and body noises B) Transmit the torque with less effort

- C) Reduce the possibility of clutch slip D) Prevent wrong clutch engagements

36. Which system provides DC power source for the various units of the vehicles?

- A) Storage system B) Lighting system
C) Steering system D) Charging system

37. What is the permitted diffraction angle of pot joint?

- A) 18 Degree B) 20 Degree
C) 22 Degree D) 26 Degree

38. Which system deals with alternator?

- A) Starting system B) Charging system
C) HVAC system D) Steering system