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Question Paper

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Score: 13/38 (34.21%)

Code: 1836

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

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

2. What is the working principle of clutch?

A) Sliding
B) Centripetal
C) Friction (Correct)
D) Screw and Nut

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

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

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

A) 13 Degree
B) 18 Degree
C) 26 Degree (Correct)
D) 32 Degree

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

A) Flexible discs (Correct)
B) Double joint
C) Pot joint
D) Tripod joint

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

A) 50 Degree (Correct)
B) 62 Degree
C) 58 Degree
D) 72 Degree

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

A) 18 Degree
B) 20 Degree
C) 22 Degree
D) 26 Degree (Incorrect)

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

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

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

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

10. 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 (Correct)
D) Spur bevel gear

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

A) Spur gear
B) Helical gear (Incorrect)
C) Worm gear
D) Bevel gear

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

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

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

A) Dynamic seal (Incorrect)
B) Static seal
C) Square cut seal
D) Teflow seal

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

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

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

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

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

A) Prevent wrong clutch engagements (Incorrect)
B) Reduction of gear box and body noises
C) Transmit the torque with less effort
D) Reduce the possibility of clutch slip

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

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

18. Which is noise free clutch?

A) Single plate clutch
B) Diaphragm spring type clutch

C) Multi plate clutch (Incorrect)
D) Dog clutch

19. What is the advantage of dog clutch?

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

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

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

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

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

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

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

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

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

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

A) Size of clutch plat
B) Co-efficient of friction (Incorrect)
C) Number of clutch plates used
D) Axial load on the clutch

25. What is the function of clutch?

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

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

A) HVAC system (Correct)
B) Starting system
C) Steering system
D) Charging system

27. Which system deals with alternator?

A) Steering system
B) Starting system
C) Charging system
D) HVAC system (Incorrect)

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

A) Storage system
B) Charging system
C) Lighting system
D) Steering system (Incorrect)

29. Which system not connected with electrical system?

A) Steering system
B) Charging system
C) Transmission system (Correct)
D) Suspension system

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

A) Control system
B) Suspension system
C) Hydraulic system
D) Steering system (Incorrect)

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

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

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

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

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

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

34. What is the function of steering system?

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

35. What is the role of ABS brakes?

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

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

A) 6 -10 mm (Correct)
B) 2 -4 mm

C) 15 -18 mm

D) 16 -20 mm

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

A) Front wheel drive line

B) Rear wheel drive line

C) All wheel drive line

D) Center wheel drive line (Incorrect)

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

A) Synchromesh gear box

B) Sliding mesh gear box (Incorrect)

C) Constant mesh gear box

D) Compound wheel mesh gear box