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Answer Key

Duration: 50 Mins

Total Marks: 20

Q.ID: ITISKILL1939PI

1. Which part provides flexible connection and permits smooth transfer of torque from gear box to the rear axle?

- A) Universal joint B) Fly wheel
C) Half shaft D) Clutch shaft

Answer: A) Universal joint

2. What is the advantage of dog clutch?

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

Answer: A) No possibility of slip

3. What will be the result of defective clutch?

- A) Gear clash during shifting B) Gear locked in one gear
C) Noise in gear shifting D) Gear slip

Answer: C) Noise in gear shifting

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

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

Answer: D) Smooth power transmission

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

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

Answer: A) Less maintenance and repair

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

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

Answer: B) Constant mesh gear box

7. Which system not connected with electrical system?

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

Answer: A) Transmission system

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

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

Answer: D) Suspension system

9. Which gear will produce clicking noise during teeth contact?

- A) Bevel gear B) Helical gear
C) Spur gear D) Worm gear

Answer: C) Spur gear

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

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

Answer: B) Chassis and frames

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

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

Answer: A) 24 volts

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

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

Answer: C) Cone clutch

13. What is the function of steering system?

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

Answer: D) To guide the vehicle

14. What is the working principle of clutch?

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

Answer: D) Friction

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

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

Answer: C) Storage system

16. What is the cause of hard gear shifting?

- A) Synchronizing unit damaged
- B) Fly wheel ring wornout
- C) Bearing worn out
- D) Synchronizing unit stuck

Answer: A) Synchronizing unit damaged

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

- A) Spur gear
- B) Worm gear
- C) Helical gear
- D) Bevel gear

Answer: A) Spur gear

18. What is the function of clutch?

- A) Connect and disconnect power flow engine to gear box
- B) Prevent malfunctioning of fly wheel

- C) Increase and decrease the RPM of engine
- D) Reduce the noise during engine running

Answer: A) Connect and disconnect power flow engine to gear box

19. Which part connects propeller shaft?

- A) Clutch shaft and fly wheel
- B) Gear box and final drive
- C) Cam shaft and clutch shaft
- D) Crankshaft and final drive

Answer: B) Gear box and final drive

20. Which is noise free clutch?

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

Answer: C) Diaphragm spring type clutch
