1. Which of the following is NOT a type of chassis used in commercial vehicles?
a) Backbone chassis
b) Ladder chassis
c) Monocoque chassis
d) Tubular chassis

Answer: d) Tubular chassis
Explanation: Tubular chassis is not a common type used in commercial vehicles. Backbone, ladder, and monocoque chassis are more prevalent due to their structural integrity and suitability for carrying heavy loads.

2. What type of testing assesses the bending and torsion of an unutilized body frame in commercial vehicles?
a) Tensile testing
b) Impact testing
c) Bending testing
d) Fatigue testing

Answer: c) Bending testing
Explanation: Bending testing is conducted to evaluate the structural integrity of a commercial vehicle’s frame under bending forces. It helps ensure the chassis can withstand loads encountered during operation.

3. Which factor primarily influences driver’s visibility in a commercial vehicle?
a) Vehicle speed
b) Type of chassis
c) Body construction

d) Placement of rearview mirrors

Answer: d) Placement of rearview mirrors
Explanation: Rearview mirrors play a crucial role in a driver's visibility by providing a view of the surroundings. Properly positioned mirrors enhance safety by reducing blind spots.

4. What aspect of vehicle design focuses on reducing air resistance and improving fuel efficiency?
a) Suspension system
b) Aerodynamics
c) Transmission
d) Steering mechanism

Answer: b) Aerodynamics
Explanation: Aerodynamics is the study of how air flows around objects. Optimizing vehicle shape reduces drag, which enhances fuel efficiency and performance.

5. Which material is commonly used in the construction of commercial vehicle bodies due to its strength and durability?
a) Aluminum
b) Fiberglass
c) Carbon fiber
d) Steel

Answer: d) Steel
Explanation: Steel is preferred for commercial vehicle bodies because of its strength, durability, and cost-effectiveness compared to other materials like aluminum, fiberglass, or

carbon fiber.

6. In which type of drive system does power transfer occur through the rear wheels of a commercial vehicle?
a) Front-wheel drive
b) Rear-wheel drive
c) All-wheel drive
d) Four-wheel drive

Answer: b) Rear-wheel drive
Explanation: In rear-wheel drive systems, power is transmitted to the rear wheels, providing better traction and load-carrying capability, which is advantageous for many commercial applications.

7. What is the primary concern of chassis testing for commercial vehicles?
a) Acceleration capability
b) Fuel efficiency
c) Structural integrity
d) Interior comfort

Answer: c) Structural integrity
Explanation: Chassis testing ensures that the structure of the vehicle, which supports the load and provides rigidity, meets safety and performance standards.

8. Which chassis type offers a high degree of flexibility in body design and is commonly used in buses and trucks?
a) Monocoque chassis

b) Ladder chassis
c) Backbone chassis
d) Spaceframe chassis

Answer: b) Ladder chassis
Explanation: Ladder chassis provides a flexible platform for various body designs, making it suitable for accommodating different types of cargo and passenger configurations.

9. What is the purpose of optimizing body shape in commercial vehicles?
a) Enhancing driver comfort
b) Improving vehicle aesthetics
c) Reducing air resistance
d) Increasing load capacity

Answer: c) Reducing air resistance
Explanation: Optimizing body shape minimizes air resistance, which improves fuel efficiency and performance, particularly at higher speeds commonly encountered in commercial vehicle operations.

10. Which component significantly affects the safety and handling of a commercial vehicle by distributing weight and providing stability?
a) Steering wheel
b) Suspension system
c) Brake pads
d) Exhaust system

Answer: b) Suspension system

Explanation: The suspension system supports the vehicle’s weight, absorbs shocks from the road, and maintains tire contact with the road surface, thereby influencing safety and handling characteristics.

Related posts:

1. Introduction of IC Engine MCQs
2. Combustion in SI engines MCQs
3. Combustion in CI Engines MCQs
4. Fuel MCQs
5. Supercharging & Turbo charging MCQs
6. Fundamental Aspects of Vibrations MCQs
7. Damped Free Vibrations: Viscous damping MCQs
8. Harmonically excited Vibration MCQS
9. Systems With Two Degrees of Freedom MCQs
10. Noise Engineering Subjective response of sound MCQs
11. Mechatronics Overview and Applications MCQs
12. REVIEW OF TRANSDUCERS AND SENSORS MCQs
13. MICROPROCESSOR ARCHITECTURE MCQs
14. Electrical and Hydraulic Actuators MCQs
15. SINGLE CONDITIONING MCQs
16. Dynamics of Engine Mechanisms MCQs
17. Governor Mechanisms MCQs
18. Balancing of Inertia Forces and Moments in Machines MCQs
19. Friction MCQs
20. Brakes MCQs
21. Introduction Automobile Fuels MCQs

22. Liquid alternative fuels MCQs
23. Gaseous Fuels MCQs
24. Automobile emissions MCQS
25. Emissions Norms & Measurement MCQs
26. Method study MCQs
27. Work measuremen MCQs
28. Job Contribution Evaluation MCQs
29. Human factor engineering MCQs
30. Display systems and anthropometric datA MCQs
31. Quality Management MCQs
32. Quality Management process MCQs
33. SQC-Control charts MCQs
34. Process diagnostics MCQs
35. Process improvement MCQs
36. Finite Element Method MCQs
37. Element Types and Characteristics MCQs
38. Assembly of Elements and Matrices MCQs
39. Higher Order and Isoparametric Elements MCQs
40. Static & Dynamic Analysis MCQs
41. Refrigeration & Cooling MCQs
42. Vapour compression system MCQs
43. Vapour absorption system MCQs
44. Psychometric MCQs
45. Air conditioning MCQS
46. Steering System MCQs
47. Transmission System MCQs
48. Suspension system MCQs

49. Electrical and Control Systems MCQS
50. Emission standards and pollution control MCQs
51. Tribology and Surface Mechanics MCQs
52. Friction MCQs: Concepts and Analysis
53. Understanding Wear Mechanisms MCQs
54. Lubricants and Lubrication Standards MCQS
55. Nano Tribology MCQs
56. Machine Tools MCQs
57. Regulation of Speed MCQs
58. Design of Metal working Tools MCQs
59. Design of Jigs and Fixtures MCQs
60. Design of Gauges and Inspection Features MCQs
61. Production Systems MCQs
62. Work Study MCQs
63. Production Planning MCQs
64. Production and Inventory Control MCQs
65. Productivity MCQs
66. DESCRIPTIVE STATISTICS MCQs
67. INTRODUCTION TO BIG DATA MCQs
68. BIG DATA TECHNOLOGIES MCQs
69. Energy Management MCQs
70. Energy Audit MCQs
71. Material energy balance MCQs
72. Monitoring and Targeting MCQs
73. Thermal energy management MCQs
74. System Concepts MCQs
75. Management MCQs

76. Marketing MCqs
77. Productivity and Operations MCQs
78. Entrepreneurship MCQs
79. Introduction of MIS MCQs
80. Information systems for decision-making MCqs
81. System Design Quiz MCQs
82. Implementation, Evaluation and Maintenance of the MIS MCQs
83. Pitfalls in MIS Development MCQs
84. Cloud Computing MCQs
85. Data Science MCQs
86. Computer Organization and Architecture MCQs
87. DBMS Normalization MCQs
88. Advanced Computer Architecture MCQ
89. Environmental Pollution mcq
90. Social Issues and the Environment MCQ
91. Data Structure MCQ
92. Stacks MCQ
93. Analog/Digital Conversion, Logic Gates, Multivibrators, and IC 555 MCQ
94. Introduction to Digital Communication MCQ
95. Numerical Methods MCQ
96. Transform Calculus MCQ
97. The Software Product and Software Process MCQ
98. Software Design MCQ
99. Memory Organization MCQ
100. Multiprocessors MCQ
101. Software Development and Architecture MCQ
102. Software architecture models MCQ

103. Rough Set Theory MCQ
104. Introduction to Swarm Intelligence, Swarm Intelligence Techniques MCQ
105. Study of traditional routing and transport MCQ
106. Wireless LAN MCQ
107. Mathematical Background for Cryptography MCQ
108. Cryptography MCQ
109. Supervised Learning MCQ
110. Clustering & Association Rule mining MCQ
111. Neural Network MCQs
112. CNNs MCQ
113. Transport Layer MCQ
114. 3-D Transformations MCQs
115. Visualization MCQ
116. INTRODUCTION Knowledge Management MCQs
117. Organization and Knowledge Management MCQs
118. Rural Management MCQs
119. Human Resource Management for rural India MCQs
120. MCQs on IoT Protocols
121. IoT MCQs
122. Utility Computing, Elastic Computing, Ajax MCQs
123. Data in the cloud MCQs
124. Distributed Memory parallel programming with MPI MCQs
125. Review of Object Oriented Concepts and Principles MCQs.
126. Region Analysis MCQs
127. Facet Model Recognition MCQs
128. IoT Networking & Technologies MCQs
129. MQTT, CoAP, XMPP, AMQP MCQs

130. Finite Automata MCQs
131. Grammars MCQs
132. Control Techniques MCQs
133. Pattern Recognition MCQs
134. Electronic Evidence MCQs
135. Array MCQS
136. Unix/Linux MCQs
137. Biodiversity and its conservation MCQs
138. Frequency domain representation of signal mcqs
139. State Space & Control Systems MCQs
140. The z-Transformmcqs
141. Propagation of radio waves mcqs
142. Satellite Systems and Orbital Mechanics MCQs
143. Embedded System Architecture mcqs
144. Rectifiers and Thyristors MCQs
145. CMOS Processing Technology MCQs
146. Information Channels MCQs
147. Cellular Mobile Systems MCQs
148. Design Principles for Web Connectivity MCQs
149. Signal degradation in Optical Fibre MCQs
150. Millimeter-Wave Communications MCQs
151. Image Enhancement Techniques MCQs
152. Theory of Measurement MCQs
153. Registers and Counters MCQS
154. Network Graph theory MCQs
155. 8051 Microcontrollers & Embedded Systems MCQs
156. Transmission Line Fundamentals MCQs

157. Theodolite Traversing MCQs
158. Town Planning & Perspective Drawing MCQs
159. Dynamics of Flow MCQs
160. Preliminary and detailed investigation methods MCQs
161. Cost of Works MCQS
162. Urban Planning MCQs: Sustainability, Finance, and Emerging Concepts
163. Integrated Applications of Remote sensing and GIS MCQs
164. Small Business Setup MCQs
165. Virtual work and Energy Principles MCQS
166. Bridge Construction MCQs
167. Biological Treatment of waste-water MCQS
168. Multi Degree of Freedom System MCQS
169. Design of Beams MCQs
170. Wastewater Analysis & Disposal MCQs
171. Design Principles MCQs
172. Cost Effective & ECO-Friendly Structures MCQs
173. Forces on immersed bodies MCQs
174. Methods of Impact Identification MCQs
175. Decision Models MCQs
176. Groundwater and Well Dynamics MCQs
177. Types of Bridge Super Structures MCQs
178. Design of structure for earthquake resistance MCQS
179. Seismic control of structures MCQs
180. Damage Assessment MCQs
181. Influence on Serviceability and Durability MCQs
182. Conventional and Non-conventional Techniques for Water Security MCQs
183. Nozzles and Condensers MCQs

184. Introduction to stress in machine component MCQs
185. Water turbines MCQs
186. Rotary Fans, Blowers and Compressors MCQs
187. Steam turbines MCQs
188. Water turbines MCQS
189. Convection MCQs
190. Thermal and Mass Transfer MCQs
191. Power Plant Engineering MCQs
192. Fossil fuel steam stations MCQs
193. Design of I.C. Engine Components MCQs
194. Linear system and distribution models MCQs
195. Concept Development and Exploration MCQs
196. Engineering Development MCQs
197. Fuels & combustion MCQs
198. Materials Science MCQs
199. Torsion in shafts MCQs
200. Theories of failures MCQs