

1. What is the primary function of a jig in manufacturing processes?

- a) To hold and support the workpiece
- b) To shape the workpiece
- c) To measure the workpiece
- d) To cool the workpiece

Answer: a) To hold and support the workpiece

Explanation: Jigs are primarily used to hold and support the workpiece securely in place during machining or assembly operations, ensuring precise and accurate manufacturing processes.

2. Which locating method relies on the use of pins, holes, or slots for accurate positioning of the workpiece?

- a) Mechanical locating
- b) Optical locating
- c) Magnetic locating
- d) Hydraulic locating

Answer: a) Mechanical locating

Explanation: Mechanical locating involves the use of physical features such as pins, holes, or slots to accurately position the workpiece in a jig or fixture.

3. What is the purpose of a drill bush in a drilling jig?

- a) To guide the cutting tool
- b) To cool the workpiece
- c) To provide electrical insulation
- d) To lubricate the drilling operation

Answer: a) To guide the cutting tool

Explanation: A drill bush is a hardened and precisely machined component used in drilling jigs to guide the cutting tool, ensuring accurate hole placement and alignment.

4. Which type of fixture is specifically designed for holding and supporting workpieces during milling operations?

- a) Drilling fixture
- b) Grinding fixture
- c) Milling fixture
- d) Broaching fixture

Answer: c) Milling fixture

Explanation: Milling fixtures are designed with features tailored to securely hold and support workpieces during milling operations, ensuring accuracy and efficiency.

5. What is the primary function of indexing devices in assembly fixtures?

- a) To secure the workpiece
- b) To rotate the workpiece to specific angles
- c) To measure the workpiece

d) To cool the workpiece

Answer: b) To rotate the workpiece to specific angles

Explanation: Indexing devices in assembly fixtures allow for precise rotation of the workpiece to specific angles, facilitating accurate assembly processes involving multiple components.

6. Which clamping device exerts force through the action of hydraulic pressure?

- a) Screw clamp
- b) Wedge clamp
- c) Hydraulic clamp
- d) Pneumatic clamp

Answer: c) Hydraulic clamp

Explanation: Hydraulic clamps use hydraulic pressure to exert force, securely holding workpieces in place during machining or assembly operations.

7. In which type of jig or fixture would you typically find a guide bush?

- a) Drilling jig
- b) Milling fixture
- c) Grinding fixture
- d) Broaching fixture

Answer: a) Drilling jig

Explanation: Guide bushes are commonly used in drilling jigs to guide the cutting tool and ensure accurate hole placement and alignment.

8. Which principle of location relies on the use of references or surfaces for accurate positioning of the workpiece?

- a) Mechanical locating
- b) Optical locating
- c) Magnetic locating
- d) Datum locating

Answer: d) Datum locating

Explanation: Datum locating involves the use of references or surfaces on the workpiece for accurate positioning within a jig or fixture.

9. What is the purpose of an indexing jig in manufacturing processes?

- a) To measure the workpiece
- b) To hold and support the workpiece
- c) To rotate the workpiece to specific angles
- d) To cool the workpiece

Answer: c) To rotate the workpiece to specific angles

Explanation: Indexing jigs are used to rotate the workpiece to specific angles, facilitating machining or assembly processes requiring precise orientation.

10. Which type of fixture is specifically designed for holding and supporting workpieces during grinding operations?

- a) Drilling fixture
- b) Milling fixture
- c) Grinding fixture
- d) Broaching fixture

Answer: c) Grinding fixture

Explanation: Grinding fixtures are specialized fixtures designed to securely hold and support workpieces during grinding operations, ensuring precision and surface finish quality.

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 measurement 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. Chassis & Body Engg MCQs
47. Steering System MCQs
48. Transmission System MCQs
49. Suspension system MCQs
50. Electrical and Control Systems MCQs
51. Emission standards and pollution control MCQs
52. Tribology and Surface Mechanics MCQs
53. Friction MCQs: Concepts and Analysis
54. Understanding Wear Mechanisms MCQs
55. Lubricants and Lubrication Standards MCQs
56. Nano Tribology MCQs
57. Machine Tools MCQs
58. Regulation of Speed MCQs
59. Design of Metal working Tools 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. Artificial Intelligence MCQS
- 85. Big Data MCQs
- 86. Cryptography MCQs
- 87. Computer Networks MCQs
- 88. Computer organization and architecture MCQ
- 89. OPERATING SYSTEMS MCQ
- 90. Construction Materials MCQ
- 91. Introduction to Energy Science MCQ
- 92. Ecosystems MCQ
- 93. Propositional Logic and Finite State Machines MCQ
- 94. Graph Theory and Combinatorics MCQ



- 95. Digital Systems MCQ
- 96. Combinational Logic MCQ
- 97. Relationships - Inheritance MCQ
- 98. Polymorphism MCQ
- 99. Concept of dynamic programming MCQ
- 100. Algorithmic Problem MCQ
- 101. Basic Structure of Computer MCQ
- 102. Computer Arithmetic MCQ
- 103. Memory Management MCQ
- 104. Input / Output MCQ
- 105. Introduction to Computational Intelligence MCQ
- 106. Fuzzy Systems MCQ
- 107. RL & Bandit Algorithms MCQs
- 108. RL Techniques MCQs
- 109. Hive, Pig, and ETL Processing MCQ
- 110. NoSQL MCQs Concepts, Variations, and MongoDB
- 111. Data Warehousing MCQ
- 112. OLAP Systems MCQ
- 113. Introduction to Extreme Programming (XP) MCQs
- 114. Agile Software Design and Development MCQs
- 115. Data Link Layer MCQ
- 116. MAC Sub layer MCQ
- 117. Type Checking & Run Time Environment MCQs
- 118. Code Generation MCQs
- 119. Conventional Software Management MCQs
- 120. Software Management Process MCQs
- 121. IoT MCQs

- 122. Sensors and Actuators MCQs
- 123. Enterprise application of Block chain MCQs
- 124. Block chain application development MCQs
- 125. Data access optimizations MCQs
- 126. Parallel Computing MCQs
- 127. Object Oriented Testing MCQs
- 128. CVIP Basics MCQs
- 129. Game Rules Overview Concepts and Case Studies MCQs
- 130. IoT Essentials MCQs
- 131. Stage Gate Method & Open Innovation MCQs
- 132. Innovation in Business: MCQs
- 133. Relational Data models MCQs
- 134. Data Base Design MCQs
- 135. PROCESSING BIG DATA MCQs
- 136. HADOOP MAPREDUCE MCQs
- 137. Understanding Cybercrime Types and Challenges MCQs
- 138. Cybercrime MCQs
- 139. PHP and MySQL MCQs
- 140. Basics of programming MCQs
- 141. Dynamic Host Configuration Protocol MCQs
- 142. Introduction to Energy Science MCQs
- 143. z-Transform mcqs
- 144. Fourier analysis of discrete time signals mcqs
- 145. Control System Analysis MCQs
- 146. Frequency Domain Analysis MCQs
- 147. Electronic Circuits with 555 Timer MCQs
- 148. Voltage Regulator MCQs

- 149. Antenna Fundamentals mcqs
- 150. Types of antennas mcqs
- 151. NETWORKING DEVICES AND TCP / IP PROTOCOL SUITE mcqs
- 152. CMOS VLSI Circuit Design MCQs
- 153. 8051 Interfacing & Serial Communication MCQs
- 154. MCU Overview 8096 and PIC mcqs
- 155. MEDICAL IMAGING MCQS
- 156. ASSISTING AND THERAPEUTIC EQUIPMENTS MCQS
- 157. Device Modeling MCQs
- 158. RF & Microwave Circuit Design MCQs
- 159. Tunnel Junctions and Tunneling Phenomena MCQs
- 160. Digital Cellular Systems MCQs
- 161. Multiple Random Variables MCQS
- 162. 5G Wireless Propagation Channels MCQS
- 163. Internet of things (IoT) and GPS systems MCQS
- 164. HMMs in Speech Modeling MCQs
- 165. Number Systems MCQS
- 166. Small Signal analysis MCQs
- 167. 8086 Microprocessor MCQs
- 168. Information Theory and Communication MCqs
- 169. Paints, Enamels and Varnishes MCQs
- 170. Building Planning MCQS
- 171. Torsion of Shafts MCQs
- 172. Transportation Engineering MCQs
- 173. Construction Estimation MCQs
- 174. Marine Structures MCQs
- 175. Remote Sensing Platforms and Sensors MCQS

- 176. Electric Energy Conservation MCQs
- 177. Masonry and walls MCQS
- 178. Railway Track Construction MCQs
- 179. Structural geology MCQs
- 180. Damped Single Degree of Freedom System MCQ
- 181. Acoustics and sound insulation and HVAC system MCQS
- 182. Water Supply Systems MCQs
- 183. Floods MCQS
- 184. Rigid Pavements MCQS
- 185. Turbulent flow MCQS
- 186. Trade Marks, Designs & GI MCQs
- 187. Transportation Models And Network Models MCQs
- 188. Design of Industrial Buildings MCQS
- 189. Pile foundations MCqs
- 190. Engineering Seismology MCQS
- 191. Game playing techniques MCQs
- 192. Sustainable Water Resources Management MCQs
- 193. Vapour Cycles MCQs
- 194. Journal Bearing MCQs
- 195. Types of Analysis MCQS
- 196. Thermal metal removal processes MCQs
- 197. Design of Belt, Rope and Chain Drives MCQS
- 198. Project Management & Meta-heuristics MCQs
- 199. Basic Concepts & Laws of Thermodynamics MCQs
- 200. Chemical Analysis of Metal Alloys MCQs