**Technical Test Preparation**

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| **1.** | The arrow points on either end of a Cutting Plane line indicate the direction of view. |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  |  | | --- | --- | | True |  | |  | B. | |  | | --- | | False | | |

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| **2.** | The cutting plane is shown in a view adjacent to the sectional view. |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  |  | | --- | --- | | True |  | |  | B. | |  | | --- | | False | | |

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| **3.** | A "D" size architectural sheet measures 24" X 36". |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  |  | | --- | --- | | True |  | |  | B. | |  | | --- | | False | | |

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| **4.** | A projection weld is a type of: |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | Resistance weld | | |  | B. | |  |  | | --- | --- | | Arc weld |  | | |  | C. | |  | | --- | | Gas weld | | |  | D. | |  | | --- | | Fillet weld | | |

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| **5.** | Which of the following is one of the basic types of welded joints: |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | T-joint | | |  | B. | |  |  | | --- | --- | | Rear joint |  | | |  | C. | |  | | --- | | Angle joint | | |  | D. | |  | | --- | | Groove joint | | |

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| **6.** | Technical drawings typically serve one of three purposes: |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | Visualization, Communication, or Documentation | | |  | B. | |  |  | | --- | --- | | Visualization, Dimensioning, or Documentation |  | | |  | C. | |  | | --- | | Communication, Documentation, or Installation | | |  | D. | |  | | --- | | Documentation, Installation, or Engineering | | |

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| **7.** | This is the range of digital or hard copy documents that specify the physical function requirements for a product: |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | Product design | | |  | B. | |  |  | | --- | --- | | Product definition |  | | |  | C. | |  | | --- | | Drawing definition | | |  | D. | |  | | --- | | Engineering design | | |

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| **8.** | Problem identification has to do with the final stages in the mechanical design process. |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | True | |  | B. | |  |  | | --- | --- | | False |  | | |

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| **9.** | This is a conical-shaped recess around a hole, often used to receive a tapered screw head: |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  |  | | --- | --- | | Boss |  | |  | B. | |  | | --- | | Spotface | | |  | C. | |  | | --- | | Counterbore | |  | D. | |  | | --- | | Countersink | | |

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| **10.** | The picture plane should never be placed behind the station point. |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | True | |  | B. | |  |  | | --- | --- | | False |  | | |

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| **11.** | An accurate record of changes made to released drawings is tracked via this: |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | A. | |  |  | | --- | --- | | A revision block |  | | |  | B. | |  | | --- | | The basic title form | | |  | C. | |  | | --- | | Working drawings | | |  | D. | |  | | --- | | Portable documents | | |

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| **12.** | A Class 3 fit is exceptionally high quality and recommended only when high cost of precision is warranted. |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  |  | | --- | --- | | True |  | |  | B. | |  | | --- | | False | | |

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| **13.** | Architectural drawings used to construct a house are often plotted with a scale of ¼" = 1'-0". What scale is this? |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | Quarter | |  | B. | |  | | --- | | Half | | |  | C. | |  |  | | --- | --- | | Full |  | |  | D. | |  | | --- | | Double | | |

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| **14.** | Quality standards in some industries allow for electronic documents to serve as a permanent record if they are properly controlled. |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | True | |  | B. | |  |  | | --- | --- | | False |  | | |

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| **15.** | Patent applications do not always include line drawings. |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  |  | | --- | --- | | True |  | |  | B. | |  | | --- | | False | | |

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| **16.** | This type of drawing shows two lines representing the pipe diameter: |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | Single-line | | |  | B. | |  | | --- | | Double-line | | |  | C. | |  |  | | --- | --- | | Standard piping |  | | |  | D. | |  | | --- | | Centerline piping | | |

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| **17.** | Personal or cultural expression in design is often referred to as functional design. |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  |  | | --- | --- | | True |  | |  | B. | |  | | --- | | False | | |

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| **18.** | An AutoCAD term that refers to a pre-drawn object which is stored in a drawing file and can be inserted into any other drawing file as needed is a \_\_\_\_\_\_\_\_. |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | Block | | |  | B. | |  |  | | --- | --- | | brick |  | | |  | C. | |  | | --- | | balloon | | |  | D. | |  | | --- | | none of the above | | |

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| **19.** | When the receding lines are true length, and the projectors are at 45 degrees to the plane of projection, the oblique drawing is called this: |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | Cabinet projection | | |  | B. | |  | | --- | | Cavalier projection | | |  | C. | |  |  | | --- | --- | | Axonometric projection |  | | |  | D. | |  | | --- | | Isometric projection | | |

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| **20.** | Dimensioning to the edges of doors and windows is the preferred method by most architectural drafters. |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | True | |  | B. | |  |  | | --- | --- | | False |  | | |