

TRAMCON
BASICS OF MANUFACTURED CONSTRUCTION
FINAL EXAM

Select the best answer for each question

- 1 The bathtubs are often positioned on the floor _____ the installation of the bathroom walls.
 - a. after
 - b. prior to
 - c. at the same time as

- 2 The ceiling finish material is applied _____ the roof decking is installed.
 - a. before
 - b. after
 - c. at the same time as

- 3 The home's serial number is followed by A, B, and C if it is made of two sections.
 - a. True
 - b. False

- 4 Who is responsible for attaching the Data Plate to each home?
 - a. the local agencies
 - b. the plant quality manager
 - c. none of the above

- 5 The Data Plate is a source of critical information about the home because _____.
 - a. it provide valuable information about the home's construction and design elements.
 - b. the local agencies may have not inspected the home during construction.
 - c. all of the above

- 6 Manufactured homes
 - a. must be built on a steel chassis
 - b. may or may not employ a chassis
 - c. should not be built on a chassis

- 7 The size and spacing of dimensional lumber for the floor joists depends on
 - a. location of the interior partitions.
 - b. the joist span and the design loads.
 - c. the height of the ceiling.

- 8 _____ is the most common material used in the Drain Waste and Vent (DWV) system.
 - a. steel piping
 - b. copper piping
 - c. PVC piping

- 9 Alternate spacing for wall studs may be required to transmit higher loading conditions in _____
- interior partitions.
 - end zones.
 - wall openings.
- 10 Shear walls are specially designed walls that are used to transmit loads through the structure.
- True
 - False
- 11 The cabinet shop is on the main production line.
- True
 - False
- 12 Marriage walls or mate walls are the walls where two units are jointed together during on-site installation.
- True
 - False
- 13 Roof trusses or _____ are the main components of the roof.
- ceiling joists
 - rafters
 - studs
- 14 The gypsum boards for the ceiling are attached to bottom chords of the roof trusses _____ attachment of the roof trusses to the exterior walls.
- after
 - prior to
 - none of the above
- 15 On the lower side of the rafter, _____ are used to allow proper air flow from the roof system through the ventilated soffit area.
- duct boxes
 - registers
 - baffles
- 16 Where is the air barrier wrap such as Tyvek installed?
- on the roof sheathing
 - on the floor sheathing
 - on the wall sheathing
- 17 The dielectric strength test involves
- introducing low voltage into each circuit for a specified period of time.
 - introducing high voltage into each circuit for a specified period of time.
 - all of the above
- 18 Flood level testing checks to ensure that
- there is no leakage in the drain system.

- b. the water doesn't stand on the roof in heavy rain.
c. the site slope is sufficient to move water away from the house.
- 19 Tack strips are used to secure the
- a. vinyl flooring
 - b. wood flooring
 - c. carpet
- 20 Installation kits are
- a. shipped to the site prior to home delivery.
 - b. placed in the unit prior to shipping.
 - c. provided by the installer.
- 21 When completed units require storage in excess of ____ prior to their installation, temporary blocking is required if the units are longer than ____.
- a. one week100 ft
 - b. one week48 ft
 - c. two weeks48 ft
- 22 Quality is gained and maintained by strict and consistent commitment to standards designed to achieve a uniformity of product to satisfy specific customer or user requirements.
- a. True
 - b. False
- 23 _____ is the systematic measurement, comparison with a standard, monitoring of processes, and an associated feedback loop designed to prevent errors.
- a. Quality assurance
 - b. Quality management
 - c. Quality control
- 24 The main principles of Quality Assurance to prevent errors are:
- a. the product should be designed to be suitable for its end use
 - b. the mistakes should be limited.
 - c. all of the above
- 25 _____ is a process of reviewing all the factors involved in the production process, with a focus on meeting quality requirements.
- a. Quality assurance
 - b. Quality management
 - c. Quality control
- 26 The first measurement of _____ occurred in Egypt in 3000 BC and was called the Royal Egyptian Cubit.
- a. weight
 - b. time
 - c. length

- 27 The American who visited Japan after World War II and transformed Japanese manufacturing with his method of Statistical Quality Control was
- a. Joseph M. Juran
 - b. W. Edwards Deming
 - c. Frederick Taylor
- 28 ISO 9001:2008 - sets out the requirements of a quality management system.
- a. True
 - b. False
- 29 DAPIAs are HUD approved third-party agencies that review the manufacturer's ____ to insure they are consistent with HUD standards.
- a. plant
 - b. materials and tools
 - c. designs
- 30 Completed inspection forms are kept on file for a minimum of ____ years and made available to the regulatory agency.
- a. two
 - b. five
 - c. ten
- 31 A failure to comply with an applicable Federal manufactured home safety and construction standard that does not result in an unreasonable risk of injury or death to occupants of the affected manufactured home is called:
- a. a defect
 - b. a serious defect
 - c. imminent safety hazard
- 32 A hazard that presents an imminent and unreasonable risk of death or severe personal injury that may or may not be related to failure to comply with an applicable Federal manufactured home construction or safety standard is called:
- a. a defect
 - b. a serious defect
 - c. imminent safety hazard
- 33 In general, a tolerance of ____ is normal for manufactured construction, that is, placing and cutting of components must be within ____ of the specified size or location.
- a. 1/8" 1/8"
 - b. 1/4" 1/8"
 - c. 1/8" 1/4"