

TRAMCON
BASICS OF MANUFACTURED CONSTRUCTION
FINAL EXAM

Select the best answer for each question

- 1 Installation of multi-wide homes will require on-site work including
 - a. connection to other units along the marriage wall.
 - b. completion of interior finish work.
 - c. all of the above

- 2 Installation of single-wide homes will require on-site work including
 - a. connection to other units along the marriage wall.
 - b. completion of interior finish work.
 - c. none of the above

- 3 Installation kits include
 - a. additional shingles
 - b. carpeting
 - c. all of the above

- 4 The gas system should be tested for:
 - a. a high-pressure test which tests the gas lines.
 - b. a low pressure test which checks the connections within the home.
 - c. all of the above

- 5 Appropriate flashing must be installed at the intersection of the roof and _____.
 - a. the fire chimney
 - b. vents and stacks
 - c. all of the above

- 6 What is the most common type of insulation materials used above the ceiling?
 - a. rigid board
 - b. blown fiberglass or cellulose
 - c. blanket

- 7 Marriage walls are exposed to the weather and outside conditions.
 - a. True
 - b. False

- 8 Modular 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

- 9 Rim joists run _____ to the joists and header joists run _____ to the joists.
- parallel
 - perpendicular.....
 - parallel
 - none of the above
- 10 The header and jamb studs for openings that occur in the exterior walls
- are designed based on the loading conditions.
 - are designed based on the size of the opening.
 - All of the above.
- 11 According to the Code of Hammurabi, the builder whose house later collapsed and killed the owner was subject to _____ penalty.
- the life in prison
 - the death
 - 100 lashes
- 12 Final Inspection is performed by the Quality Manager or his representative _____ affixing a label on the unit, and the QC Checklists are then signed and filed.
- prior to
 - after
 - none of the above
- 13 The party who is responsible for quality is the supervisor of the employees performing the tasks at a given station.
- True
 - False
- 14 HUD requires manufacturers to have a _____ that is approved by the DAPIA agency and accepted by the IPIA agency.
- Safety System (SS)
 - Management System (MS)
 - Quality System (QS)
- 15 The Institute for Building Technology and Safety (IBTS) audit team tries to answer the following question when evaluating the performance of the IPIA agency:
- Has the IPIA representative determined that the quality control system can ensure that conforming homes are produced on a continued basis?
 - Has the Quality Control Manager performed his/her duties properly?
 - none of the above

- 16 A failure to comply with an applicable Federal manufactured home safety and construction standard which results in an unreasonable risk of injury or death to the occupants of the affected manufactured home is called:
- a. a defect
 - b. a serious defect
 - c. imminent safety hazard
- 17 The ceiling finish material is applied _____ the roof decking is installed.
- a. before
 - b. after
 - c. at the same time as
- 18 The home's serial number is followed by A, B, and C if it is made of two sections.
- a. True
 - b. False
- 19 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
- 20 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
- 21 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.
- 22 _____ is the most common material used in the Drain Waste and Vent (DWV) system.
- a. steel piping
 - b. copper piping
 - c. PVC piping
- 23 Roof trusses or _____ are the main components of the roof.
- a. ceiling joists
 - b. rafters
 - c. studs

- 24 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
- 25 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
- 26 Where is the air barrier wrap such as Tyvek installed?
- on the roof sheathing
 - on the floor sheathing
 - on the wall sheathing
- 27 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
- 28 _____ is a process of reviewing all the factors involved in the production process, with a focus on meeting quality requirements.
- Quality assurance
 - Quality management
 - Quality control
- 29 The first measurement of _____ occurred in Egypt in about 3000 BC and was called the Royal Egyptian Cubit.
- weight
 - time
 - length
- 30 The American who visited Japan just after World War II and transformed Japanese manufacturing with his method of Statistical Quality Control was
- Joseph M. Juran
 - W. Edwards Deming
 - Frederick Taylor

- 31 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"
- 32 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
- 33 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