

***** EXAMINATION *****

**EFFECT OF SELECTED VARIABLES ON THE DISTRIBUTION
OF WATER FROM AUTOMATIC SPRINKLERS**

1. **The pressure measuring instrument usually limited to**
 - a) measuring near to atmospheric is manometer
 - b) measuring near to atmospheric is barometer
 - c) measuring near to atmospheric is altimeter
 - d) measuring near to atmospheric is hydrometer

2. **The container or machine used to mix or agitate a product**
 - a) is a cylinder
 - b) is a pitot tube
 - c) is a churn
 - d) is a funnel

3. **The principle applicable to any linear system, and also**
 - a) referred to as additivity is the uncertainty principle
 - b) referred to as additivity is the superposition principle
 - c) referred to as additivity is the variational principle
 - d) referred to as additivity is the equivalence principle

4. **The shape superimposed on an image that is used for precise**
 - a) alignment of a device is a diopter
 - b) alignment of a device is a rangefinder
 - c) alignment of a device is a reflex
 - d) alignment of a device is a crosshair

5. **The study of kind and quantity of error that occurs is**
 - a) complex analysis
 - b) asymptotic analysis
 - c) functional analysis
 - d) error analysis

6. **The single typed of measurement in statistic is a**
 - a) data point
 - b) flash point
 - c) signal point
 - d) low point

7. **The highest attainable density of the substance under given**
 - a) conditions is the potential density of a substance
 - b) conditions is the maximum density of a substance
 - c) conditions is the relative density of a substance
 - d) conditions is the bulk density of a substance

8. **The formal techniques which study entities using topological,**
 - a) geometric or geographic properties are functional analysis
 - b) geometric or geographic properties are stochastic process
 - c) geometric or geographic properties are spatial analysis
 - d) geometric or geographic properties are point process

9. **The variation in density over an area is a**
 - a) density matrix
 - b) density function
 - c) density altitude
 - d) density gradient

10. **The process of constructing new data points outside a**
 - a) discrete set of known data points is extrapolation
 - b) discrete set of known data points is interpolation
 - c) discrete set of known data points is perturbation
 - d) discrete set of known data points is approximation

11. **The appropriate tool for determining the distribution patterns**
 - a) from multiple heads is the uncertainty principle
 - b) from multiple heads is the superposition principle
 - c) from multiple heads is the variational principle
 - d) from multiple heads is the equivalence principle

12. **The event where two moving bodies exert equally strong forces**
 - a) on each other for a relatively short time is friction
 - b) on each other for a relatively short time is projection
 - c) on each other for a relatively short time is collision
 - d) on each other for a relatively short time is conduction

13. **The process of defining the components and data for a system**
 - a) to satisfy specified requirements is system overhaul
 - b) to satisfy specified requirements is system remodeling
 - c) to satisfy specified requirements is system conduction
 - d) to satisfy specified requirements is system design

14. **The discipline comprising the theory and practice necessary to**
 - a) address decision in a formal manner is decision analysis
 - b) address decision in a formal manner is decision model
 - c) address decision in a formal manner is decision theory
 - d) address decision in a formal manner is decision support

15. **The definite procedure that produces a test result is A**
- a) design method
 - b) test method
 - c) plan method
 - d) safety method
16. **The notion introduced for comparing dimensions of solid and**
- a) liquid particles is particle beam
 - b) liquid particles is particle detector
 - c) liquid particles is particle size
 - d) liquid particles is particle filter
17. **The semiconductor device commonly used to amplify or switch**
- a) electronic signals is a capacitor
 - b) electronic signals is a resistor
 - c) electronic signals is a deflector
 - d) electronic signals is a transistor
18. **The main principles of the scientific method and has the**
- a) ability of a test to replicate is repeatability
 - b) ability of a test to replicate is falsifiability
 - c) ability of a test to replicate is testability
 - d) ability of a test to replicate is reproducibility
19. **The objects that generalize functions are**
- a) distribution
 - b) conduction
 - c) transformation
 - d) consideration
20. **The ability to generate testable predictions is the**
- a) statistical power of a scientific theory
 - b) predictive power of a scientific theory
 - c) optical power of a scientific theory
 - d) motive power of a scientific theory

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