

Communication System Mechanic Trade Test Written Test Mock Paper

(Version : ECT-WM-EN-01)



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Communication System Mechanic Trade Test

Written Test Mock Paper

1. When the public antenna system receives signals with different strengths, what components need to be installed in order to provide a stable signal to the end user?
 - a. Equalizer
 - b. Splitter
 - c. Combiner
 - d. Amplifier
2. What is the requirement for the signal to noise (S/N) ratio of a good antenna system?
 - a. No requirement
 - b. A small ratio
 - c. A medium ratio
 - d. A large ratio
3. The main reason for twisting the two conducting wires of a UTP cable is to:
 - a. Prevent external interruption
 - b. Maintain a decent appearance
 - c. Prevent loosening of the cables
 - d. Facilitate production
4. When connecting a computer network, what is the minimum number(s) of pair(s) of wires that a RJ45 connector needs?
 - a. 1 pair
 - b. 2 pairs
 - c. 3 pairs
 - d. 4 pairs
5. If you need to connect a Cat.5 UTP cable in the middle of wiring, what is the correct way to connect it?
 - a. RJ45 and "I"-shaped connector
 - b. Weld
 - c. Wire nut
 - d. Splicing
6. In household telephone connection, what is the minimum number(s) of conductor(s) needed?
 - a. 1 piece
 - b. 2 pieces
 - c. 3 pieces
 - d. 4 pieces
7. More distributed output of a splitter will cause the output level:
 - a. Be lower
 - b. Be higher
 - c. Remain unchanged
 - d. Have no output
8. Which of the following types of cables are BNC plugs being used to connect?
 - a. Electricity cables
 - b. UTP cables
 - c. Optic fiber cables
 - d. Coaxial cables
9. What does the "Gain" of a TV antenna refer to?
 - a. Reception efficiency of the antenna
 - b. Height of the antenna
 - c. Reception angle of the antenna
 - d. Width of the antenna
10. The least directional antenna is:
 - a. T-shaped antenna
 - b. Diamond-shaped antenna
 - c. Loop antenna
 - d. Marconi antenna

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Communication System Mechanic Trade Test Written Test Mock Paper (Con't)

11. Which of the followings is not a component of an IBCCD system?
- Rear system
 - Antenna equipment
 - Distribution system
 - Client
12. Generally, what is the arrangement for the grounding/ earthing of coaxial cable?
- Ground both
 - Neither of both is to be grounded
 - Ground the central conducting wire
 - Ground the outer conductor
13. The best angle for half wave antennas to receive electric waves is:
- Perpendicular to the antenna
 - Parallel to the antenna
 - At a 30° angle to the antenna
 - At a 60° angle to the antenna
14. The function of a TV Signal Combiner is:
- Combining audio signals
 - Combining low frequency signals
 - Combining video signals
 - Combining radio frequency signals
15. In Hong Kong, the regulatory authority of telecommunication is:
- Office of the Communications Authority
 - Electrical and Mechanical Services Department
 - Hong Kong Police Force
 - Hong Kong Customs and Excise Department
16. How many audio signal(s) is a button of a telephone machine tone dialer made up of?
- 1
 - 2
 - 3
 - 4
17. What is the minimum amount of "interest" as stated in Prevention of Bribery Ordinance?
- \$100
 - \$200
 - \$500
 - No limited amount
18. A person should be serious at work and should uphold work ethics, including:
- Appropriation of other's property
 - Craving for personal interest and neglecting the damages dealt to others
 - Accepting money and other advantages
 - Integrity, be honest and responsible, keep moral principles. Never corrupt and accept illegal advantage.

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19. When lifting heavy objects, which of the following methods is correct?
- Correct posture should be used. Workers should remain upright in their back.
 - Ask for a heavier load each time to hasten the process
 - Throw the object to higher places to strengthen the body
 - Hasten the speed of work suddenly
20. What may happen if working under hot and humid environments for a long period?
- Heat stroke
 - Temporary blindness
 - Hunger
 - Anaemia

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