

**Sample Examination Questions**  
**Hong Kong Radio Amateurs' Examination**

1. Which of the following frequency bands is allocated for amateur satellite service on a secondary basis?
  - (1) 50.00 - 51.50 MHz
  - (2) 144.0 - 146.0 MHz
  - (3) 435.0 - 438.0 MHz
  - (4) 47,000 - 47,200 MHz
  
2. According to the Phonetic Alphabet adopted by the International Telecommunication Union, the code words to be used for transmitting the letters "OFCA" are:
  - (1) oliver, foxtrot, charles, alpha
  - (2) oscar, francis, charleston alfa
  - (3) oscar, francis, cat, anna
  - (4) oscar, foxtrot, charlie, alfa
  
3. What will happen if a VHF or UHF signal is blocked by a metallic object?
  - (1) They are sometimes scattered in the exosphere
  - (2) They go around the object
  - (3) They are bent by the ionosphere
  - (4) They are reflected by the object
  
4. Which of the following is the best material for earthing rod?
  - (1) PVC
  - (2) Aluminium
  - (3) Copper
  - (4) Fiberglass
  
5. Which of the following equals 430 millivolts?
  - (1) 0.043 volts
  - (2) 0.43 volts
  - (3) 4.3 volts
  - (4) 43 volts

6. What are the names of the three terminals of a bipolar transistor?
- (1) Gate, anode and cathode
  - (2) Base, anode and cathode
  - (3) Base, emitter and collector
  - (4) Base, source and sink
7. What is the rms value of a 622-volt peak-to-peak pure sine wave?
- (1) 110 V
  - (2) 220 V
  - (3) 117 V
  - (4) 200 V
8. What is the main purpose of transmitter shielding?
- (1) Provide support for components
  - (2) Serve as heat sink for components
  - (3) Produce better sound quality
  - (4) Prevents unwanted RF radiation
9. What test instrument can be used to display spurious emissions in the output of a transmitter?
- (1) Wattmeter
  - (2) Logic analyser
  - (3) Spectrum analyser
  - (4) Voltmeter
10. Which of the following equipment can produce a stable and low-level signal at a desired frequency?
- (1) Wattmeter
  - (2) Oscilloscope
  - (3) Signal generator
  - (4) Voltmeter