

VHF/UHF Operator's Certificate Sample Examination Paper 2

All 25 questions should be attempted; you must get at least 13 correct to pass this test.

Time allowed: 25 minutes

Name and Initials _____ Date of Exam _____

1. What does the "M" indicate in the "MRL" part of the callsign?
 - a. Mobiles have priority
 - b. United Kingdom station
 - c. Military
 - d. Mobiles may reply
2. What does the mnemonic SAD represent?
 - a. Secure, Active and Deliberate
 - b. Security, Accuracy and Discipline
 - c. Security, Activity and Discipline
 - d. Safe, Accurate and Deliberate
3. What is the Proword for requesting a repetition of a whole, or part of a message?
 - a. Say Again
 - b. Repeat
 - c. Send Again
 - d. Repeat Again
4. What is phonetic for the letter "J"?
 - a. Judy
 - b. Julie
 - c. Juliet
 - d. Jodie
5. What method other than the use of Codex can you use to aid security in messages?
 - a. Your own made up code
 - b. Prowords only
 - c. Prowords only at the beginning of a message
 - d. Veiled Speech
6. Alpha Charlie this is MRL84 Radio Check over. What does this mean?
 - a. MRL84 is testing the transmitter
 - b. MRL84 wants only stations with Alpha Charlie in their call to reply
 - c. MRL84 wants any station who can hear him to reply
 - d. MRL84 wants any station who can hear him to reply with a report of signal strength and readability
7. How many levels of signal strength and readability do we have?
 - a. 4 and 5
 - b. 5 and 6
 - c. 6 and 5
 - d. 5 and 5
8. What type of modulation is used on V3?
 - a. Amplitude
 - b. Phase
 - c. Circular
 - d. Frequency
9. What is our usual method of connecting our main station radios to their aerials?
 - a. open wire feeder
 - b. 75 ohm coaxial feeder
 - c. 50 ohm twin feeder
 - d. 50 ohm coaxial feeder
10. What does the term SWR mean
 - a. Some Weak Resistance
 - b. Standing Wave Ratio
 - c. Standing Wire Ratio
 - d. Standing Wave Resistance
11. If our transmitter has a power output of 25 Watts and we have 3db loss in the feeder, what is the power input to the aerial?
 - a. 12.5 Watts
 - b. 2.5 Watts
 - c. 0.25 Watts
 - d. 10 Watts
12. When soldering what protection /protective clothing should you have?
 - a. Overalls
 - b. None necessary
 - c. Goggles and Overalls
 - d. Goggles, Overalls or some other form of protective clothing
13. When can you eat and drink in a radio room?
 - a. When the Communications Officer says you can
 - b. At any time
 - c. Never
 - d. When the CO says you can

14. What should always be used to top up lead acid batteries?
 - a. Tap water
 - b. A weak acid solution
 - c. De-ionised water
 - d. Any of these
15. What batteries should you use in preference to lead acid?
 - a. Dry Cells
 - b. Nicads
 - c. Alkaline
 - d. Wet Cells
16. Which of the following should be displayed/ available in a Radio Room?
 - a. Fire Orders
 - b. Operating Authority
 - c. Serviceable Fire Extinguisher
 - d. All of these
17. To which portion of the Frequency Spectrum do our UHF Channels belong ?
 - a. 30-300MHz
 - b. 300-3000 MHz
 - c. 3-30 MHz
 - d. 3000-30000 MHz
18. When sending a DTG what word should precede?
 - a. Number
 - b. Figures
 - c. Grid
 - d. Time
19. What part of the DTG is used by Codex?
 - a. Month
 - b. Hour
 - c. Date
 - d. None of these
20. Is Codex secure?
 - a. Very
 - b. Only when sent in 5 letter/figure groups
 - c. No, it is easy to break
 - d. Depends on the slip
21. What is Alpha Time?
 - a. Local
 - b. 1 hour ahead of Zulu
 - c. 1 hour behind Zulu
 - d. Indicates after midnight
22. What does a duty cycle of 95% mean?
 - a. A radio is transmitting for 95% and receiving 5%
 - b. A radio is receiving for 95% and transmitting 5%
 - c. A radio is receiving/on standby for 95% and transmitting 5%
 - d. The operator is only available for 95% of the time available
23. Before making an AC call on any radio, what is the most important check?
 - a. Room door closed
 - b. Log book, pen/pencils ready
 - c. Listen out for at least 30 seconds
 - d. Volume control set to maximum then listen out
24. When your Communications Officer is not available or on leave who may use the Radio Room and the equipment?
 - a. The CO
 - b. Any SNCO
 - c. Only cadets with a Full Operators Certificate for the equipment to be used
 - d. No one
25. Who is responsible for maintaining radio log books?
 - a. The Communications Officer
 - b. Cadet NCO's
 - c. Any adult
 - d. The operators on each channel