

VHF/UHF Operator's Certificate Sample Examination Paper 3

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. When numerals are to be transmitted, what proword should precede them?
 - a. Number
 - b. Figures
 - c. Numbers
 - d. Figure
2. How should the number 12.4 be spoken?
 - a. Twelve point four
 - b. Twelve comma four
 - c. Wun Too Day-See-Mal Fower
 - d. Wun Too Komma Fower
3. What do the letters NCS stand for?
 - a. Network Control Station
 - b. National Control System
 - c. National Control Station
 - d. Network Control System
4. Where would you find a complete list of all Air Cadet Callsigns?
 - a. ACP 44
 - b. ACP 35 Volume 2
 - c. Annex A to ACP 35 Volume 2
 - d. Annex A to ACP 44
5. On a formal message format you see Number 123A/4; what does the A denote?
 - a. Local time
 - b. An adult member of staff is sending the message
 - c. A fully qualified cadet is sending the message
 - d. Annex A to message number 123
6. What is the half wavelength of a frequency of 150 MHz?
 - a. 1 Metre
 - b. 2 Metres
 - c. 1.5 Metres
 - d. 15 Metres
7. What does CTCSS stand for?
 - a. Continuous Transmitted Coded Squelch System
 - b. Controlled Tone Coded Safety System
 - c. Coded Tone Controlled Safety System
 - d. Continuous Tone Controlled Squelch System
8. When speaking into a microphone, how far from the mouth should it be held?
 - a. 2 inches
 - b. 4 inches
 - c. 4 centimetres
 - d. 6 inches
9. How should Lead Acid batteries be carried?
 - a. In a strong metal box
 - b. In a strong wooden box
 - c. In a wooden leak proof box
 - d. In any enclosed box
10. What precautions should be taken when carrying NiCad batteries for handheld radios?
 - a. Voltage so low no precautions necessary
 - b. In jacket pocket providing no coins or keys there
 - c. Batteries when enclosed in insulated plastic bag may be carried in empty jacket pockets
 - d. Never to be carried in pockets
11. When erecting an aerial for a field day exercise or similar how many persons should you employ for the task?
 - a. As many as possible to get the job done quickly
 - b. The minimum number
 - c. The minimum number led by a qualified adult
 - d. As many as possible led by a qualified adult
12. What main safety precaution should you take when using a portable mains generator?
 - a. Keep as far away from any tents as possible
 - b. Ensure personnel are kept well clear at all times
 - c. Generator to be earthed via an earth spike driven well into the ground
 - d. No precautions necessary

13. What type of simple aerial would you erect to give omni-directivity?
 - a. A Dipole
 - b. A Multi element array
 - c. Phased Loop
 - d. Stacked Dipoles
14. What frequency band does the project channel operate within?
 - a. SHF
 - b. Low Band VHF
 - c. High Band VHF
 - d. UHF
15. Listening out you hear MFQ26 calling; who might this be?
 - a. An ATC Callsign
 - b. A Sea Cadet Callsign
 - c. An Army Cadet Callsign
 - d. An Intruder
16. What codeword is used when referring to the Stores Officer?
 - a. Playtime
 - b. Pronto
 - c. Manhole
 - d. Nutshell
17. Why do we use squelch?
 - a. To make signals more readable
 - b. To prevent listening to background noise when no signals being received
 - c. To make signals louder
 - d. To save power
18. When sending a DTG how should the month be given?
 - a. Spoken in full
 - b. Phonetically
 - c. Only when told to by the Communications Officer
 - d. Never
19. What has to be recorded in a log book?
 - a. All transmissions
 - b. Transmitted messages only
 - c. Everything transmitted and received
 - d. Received messages only
20. What should be the maximum fuse rating fitted to any Mains operated equipment in the Radio Room?
 - a. 5 amp
 - b. 2 amp
 - c. 13 amp
 - d. No limit as it depends on the equipment being used
21. What range would you expect from your Main Station VHF Radio?
 - a. 10 miles
 - b. 50 miles
 - c. 30 miles
 - d. 5 miles
22. What are some of the factors that determine the range of our radios?
 - a. Transmit power
 - b. Aerial height
 - c. Location
 - d. All of these
23. What impedance should our co-axial feeders be?
 - a. 50 ohms
 - b. 300 ohms
 - c. 75 ohms
 - d. 90 ohms
24. You find a cadet collapsed apparently due to an electric shock what should you do immediately?
 - a. Switch off the power
 - b. Call for help
 - c. Call for an ambulance
 - d. Panic
25. Which is the preferred type of soldering iron to be used on radio equipment?
 - a. Low voltage
 - b. Thermostatically controlled soldering station
 - c. Mains operated high wattage
 - d. Mains operated low wattage