



1. If you move house and want to transmit from your new home, you must

1A3-2025-Foundation3203

- A give immediate notice of the new address to Ofcom.
- B pay a supplementary licence fee.
- C notify the local police by letter.
- D inform RSGB headquarters by e-mail or phone.

2. The Licensees callsign must be transmitted

1A4-2025-Foundation2450

- A when first establishing contact.
- B when another Station replies to a "CQ" call.
- C every hour.
- D when the entry is made in the log book.

3. Before joining your regular club net from your main station address, you must first

1C1-2025-Foundation3774

- A ask if the frequency is clear.
- B give your location using either your address or other geographical description correct to 5 km.
- C give your location using either your full postcode or the IARU locator to 6 characters.
- D establish communication with at least one amateur in the net.

4. Foundation licence holder may be instructed to keep a log of transmissions for a period by

1D2-2025-Foundation2187

- A an employee of British Telecom.
- B a person authorised by Ofcom.
- C the Police.
- D the Local Council.

5. The lowest radiated power to which the EMF requirements apply is

1G1-2025-Foundation7976

- A 10W peak.
- B 10W EIRP.
- C 10W ERP.
- D 10W.



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6. When close to London, operating on a frequency of 431.5MHz is

1H1-2025-Foundation3171

- A limited to a transmit power of 10W erp.
- B not permitted.
- C only allowed from fixed stations, no mobile operation.
- D permitted using Morse and telephony only.

7. If two resistors of different values are connected in parallel and a potential difference is applied across them, the potential difference will be

2A2-2025-Foundation2288

- A highest across the resistor with the highest value.
- B the same across both resistors.
- C equal to the total resistance divided by the potential difference applied.
- D the sum of the potential difference across each resistor.

8. Which one of the following bands is known as VHF spectrum?

2E2-2025-Foundation2849

- A 30Hz to 300MHz.
- B 300MHz to 3000MHz.
- C 300kHz to 3MHz.
- D 30MHz to 300MHz.

9. An Analogue to Digital convertor (ADC)

2F2-2025-Foundation8003

- A Changes AF signals to RF.
- B Is an optional component in a Software Defined Radio Receiver.
- C Samples an analogue signal and creates a digital representation of it.
- D Creates a digital signal in analogue format.

10. A transmission is heard using a few audio tones sent in succession. It is likely to be

3A2-2025-Foundation2201

- A a repeater tone burst.
- B data.
- C an encrypted signal.
- D music.



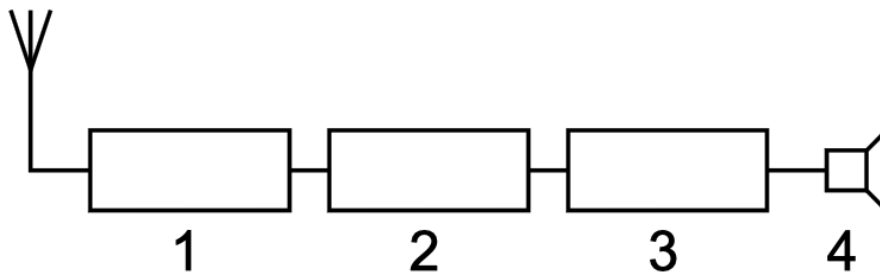
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11. The oscillator stage of a transmitter

3C1-2025-Foundation2559

- A will cause interference unless built in a plastic enclosure or box.
- B is only needed if the user wishes to send Morse code.
- C defines the transmitted frequency.
- D determines the tone of the audio signal.

12. In the block diagram of a radio receiver shown, what is the function of the box marked '2'?



3H2-2025-Foundation3461

- A Modulation.
- B Tuning and RF amplifier.
- C Detection.
- D Audio amplifier.

13. The proportion of the radio signal lost in a feeder will

4A2-2025-Foundation7728

- A decrease as the frequency increases.
- B increase as the frequency increases.
- C stay much the same at any frequency.
- D depend on the type of modulation.

14. The polarisation of the radio wave from the antenna shown is

4C1-2025-Foundation3067

- A horizontal.
- B unknown.
- C sideways.
- D vertical.





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15. Which one of the following should be used to indicate the reflected power in a feeder to an antenna?

4E2-2025-Foundation2914

- A An absorption wave-metre.
- B A digital multi-metre.
- C An oscilloscope.
- D An SWR meter.

16. The troposphere

5A2-2025-Foundation1719

- A is the region above the ionosphere.
- B absorbs radio waves at night.
- C is the region below the ionosphere.
- D is ionised only during the day.

17. Attenuation of UHF signals can be caused by

5C2-2025-Foundation1725

- A carbon dioxide.
- B fog.
- C falling snow.
- D ozone.

18. The ability of a piece of equipment to withstand a level of interference is known as

6A2-2025-Foundation2944

- A immunity.
- B filtering.
- C compatibility.
- D resistance.

19. An amateur transmitter is designed to radiate from the antenna. How might signals enter other electrical devices in the house?

6C1-2025-Foundation2650

- A By being picked up by mains wires leading to the affected device.
- B By direct radiation out of the front panel of the transmitter.
- C By being conducted along the microphone lead.
- D By radiating from the Morse key.



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20. If a neighbour complains of interference from your station you should first

6G2-2025-Foundation1075

- A keep a log of your transmissions and ask your neighbour to log instances of interference.
- B ask the neighbour to demonstrate the problem.
- C check that you have been operating in accordance with the licence Schedule.
- D check that your licence has not expired.

21. When calling CQ on a VHF FM calling channel, a radio amateur should

7A2-2025-Foundation2682

- A give the call sign 2 or 3 times and say "CQ" when somebody replies.
- B say "CQ" 2 or 3 times and give the call sign, then listen for a reply.
- C say "CQ" a number of times and give the call sign when a contact is established.
- D say "CQ" about 20 times and listen for a reply.

22. Radio astronomy has the use of the frequency band

7B2-2025-Foundation3046

- A 87.5-108.0MHz.
- B 150.05-152.0MHz.
- C 156.0-158.525MHz.
- D 144.0-146.0MHz.

23. A good received SSB voice signal may be reported as

7E2-2025-Foundation1087

- A five and eight.
- B one one one.
- C nine nine nine.
- D eight and five.

24. The correct connections for a 3 core cable to a UK mains plug are

8A3-2025-Foundation2962

- A blue to N, brown to L, green/yellow to E.
- B brown to L, blue to E, green/yellow to N.
- C brown to N, blue to L, green/yellow to E.
- D blue to L, brown to E, yellow/green to N.



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25. When not being used, a hot soldering iron should be

8B7-2025-Foundation1455

- A placed in cold water.
- B wiped clean of old solder.
- C put in a well ventilated room.
- D placed in a suitable stand.

26. The ICNIRP is the body which advises on

8D2-2025-Foundation2110

- A protective multiple earthing.
- B amateur band planning.
- C safe levels of RF exposure.
- D curing EMC problems.



Answers FOUNDATION MOCK PAPER 2

Question	Answer	Question	Answer
1	A	14	A
2	A	15	D
3	D	16	C
4	B	17	C
5	B	18	A
6	B	19	A
7	B	20	A
8	D	21	B
9	C	22	B
10	B	23	A
11	C	24	A
12	C	25	D
13	B	26	C