

ANSWER KEY TO REVIEW QUESTIONS:

1- Match each term to the definition:

Period	<u>b –time to complete one cycle</u>
Amplitude	<u>d –the intensity of the radio wave</u>
Wavelength	<u>a - linear measurement of the wave</u>
Frequency	<u>c –number of cycles per second</u>

2- What band of frequencies is used by civil aviation? VHF, between 30 and 300 MHz

3- What frequency band is used primarily by special government services (i.e. military) ?
UHF, between 300 and 3000 MHz

4- What kind of radio waves travel in a straight line?
Ground waves

5- What is a skip zone?
An area where neither ground waves nor sky waves transmit.

6- Precipitation can create static in communication radios because it creates electric charges.
True

7- List two advantages of satellite communications
High-quality signal, unlimited range.

8- What is the correct pronunciation of the word PILOT in the Phonetic Alphabet?
Papa India Lima Oscar Tango

9- What is the emergency frequency used by aviation?
121.5 MHz

10- What kind of message has absolute priority over all others ? Distress call

11- Which of the listed terms means. “Let me know you have received and understood the message.”
c) Acknowledge

12- In radiotelephony, what do the following words mean ?
RONLY = Receive only; this station is not able to transmit
NORDO = No radio; this aircraft is not equipped with a radio

13- Match the type of call with the first words of the transmission:

<u>Urgency</u>	<u>d) PAN PAN</u>
<u>Distress</u>	<u>b) MAY DAY</u>
<u>Security</u>	<u>a) SECURITY</u>

14- The first distress call made by an aircraft should be on the following frequency :
The original frequency in use by the aircraft

15- An urgency call is a message regarding the safety of an aircraft or person.

16- List the steps of an urgency message:

1. **the urgency signal “PAN PAN” (three times);**
2. **the name of the station addressed or the words “ALL STATIONS” (three times);**
3. **the words “THIS IS”;**
4. **the identification of the aircraft;**
5. **the nature of the urgency condition;**
6. **the intentions of the person in command;**
7. **the present position, flight level or altitude and the heading;**
8. **any other useful information.**

17- Spell the word « glider » in phonetic alphabet : GOLF – LIMA – INDIA – DELTA – ECHO –ROMEO

18- What is a VDF bearing? A bearing received from a VHF Direction Finding station.

19- List three services provided by ATC: Control service; ground control service; VDF.

20- What are the 4 steps of message transmission procedure ? Callup, reply, message, acknowledgement.

21- A radio transmission must be clear, brief and concise.