

Bangladesh Telecommunication Regulatory Commission (BTRC)

IEB Bhaban (5th, 6th & 7th floor), Ramna, Dhaka-1000

Question Bank for Amateur Radio Licensing Examination -2023 (For reference and guidance only)

SL No.	Questions
1	What is the main difference between HF and VHF band?
	a) HF band means (3 - 30) MHz and VHF band means (30 - 300) MHz
	b) HF band means (30 - 300) MHz and VHF band means (3 - 30) MHz
	c) HF band means (300 - 3000) MHz and VHF band means (3 - 30) MHz
	d) HF band means (3 - 30) MHz and VHF band means (300 - 3000) MHz
2	Which of the following operating restrictions applies to amateur radio stations as a secondary service in the 60 meter band?
	a) They must not cause harmful interference to stations operating in other radio services
	b) They must transmit no more than 30 minutes during each hour to minimize harmful interference to other radio services
	c) They must use lower sideband, suppressed-carrier only
	d) They must not exceed 2.0 kHz of bandwidth
3	With which of the following conditions must beacon stations comply?
	a) Identification must be in Morse Code
	b) The frequency must be coordinated with the National Beacon Organization
	c) The frequency must be posted on the Internet or published in a national periodical
	d) There must be no more than one beacon signal in the same band from a single location
4	Which of the following is a purpose of a beacon station as identified in the Amateur Rules?
	a) Observation of propagation and reception, or other related activities
	b) Automatic Identification of Repeaters
	c) Transmission of bulletins of general interest to amateur radio licensees
	d) Identifying net frequencies
5	When may music be transmitted by an amateur station?
	a) At any time, as long as it produces no spurious emissions
	b) When it is unintentionally transmitted from the background at the transmitter
	c) When it is transmitted on frequencies above 1215 MHz
	d) When it is an incidental part of a space shuttle or ISS retransmission
6	When is an amateur station permitted to transmit secret codes?
	a) During a declared communications emergency
	b) To control a space station
	c) Only when the information is of a routine, personal nature
	d) Only with Special Temporary Authorization from the BTRC
7	Which of the following is prohibited by the BTRC Rules for amateur radio stations?
	a) Transmission of music as the primary program material during a contact


30 APR 2023

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	b) The use of obscene or indecent words
	c) Transmission of false or deceptive messages or signals
	d) All of these answers are correct
8	How does BTRC require an amateur station to be operated in all respects not covered by the rules?
	a) In conformance with the rules of the IARU
	b) In conformance with amateur radio custom
	c) In conformance with good engineering and good amateur practice
	d) All of these answers are correct
9	What is the maximum transmitting power an amateur station may use on 10.140 MHz?
	a) 200 watts PEP output
	b) 1000 watts PEP output
	c) 1500 watts PEP output
	d) 2000 watts PEP output
10	What is the maximum symbol rate permitted for RTTY emissions transmitted on frequency bands below 28 MHz?
	a) 56 kilobaud
	b) 19.6 kilobaud
	c) 1200 baud
	d) 300 baud
11	What is the maximum symbol rate permitted for packet emission transmissions on the 2 meter band?
	a) 300 baud
	b) 1200 baud
	c) 19.6 kilobaud
	d) 56 kilobaud
12	What is the maximum symbol rate permitted for RTTY or data emission transmissions on the 6 and 2 meter bands?
	a) 56 kilobaud
	b) 19.6 kilobaud
	c) 1200 baud
	d) 300 baud
13	What is the standard bandwidth for narrow band FM transmission in VHF and UHF
	a) 20 kHz
	b) 50 kHz
	c) 12.5 KHz
	d) 25 KHz
14	What is the maximum bandwidth permitted by BTRC rules for amateur radio stations when operating on USB frequencies in the 60-meter band?
	a) 2.8 kHz
	b) 5.6 kHz
	c) +/-2.8 kHz
	d) 3 kHz

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15	What kind of amateur station simultaneously retransmits the signals of other stations on another channel?
	a) Repeater Station
	b) Beacon Station
	c) Telecommand Station
16	Which of the following conditions require an amateur radio station to take specific steps to avoid harmful interference to other users?
	a) When operating within one mile of an BTRC Monitoring Station
	b) When using a band where the amateur service is secondary
	c) When a station is transmitting spread spectrum emissions
17	What language must you use when identifying your station if you are using a language other than English in making a contact?
	a) The language being used for the contact
	b) Any language if the US has a third party agreement with that country
	c) English
18	Which sideband is most commonly used for phone communications on the bands above 20 meters?
	a) Upper Sideband
	b) Lower Sideband
	c) Vestigial Sideband
19	Which sideband is commonly used on the 160, 75, and 40 meter bands?
	a) Upper Sideband
	b) Lower Sideband
	c) Vestigial Sideband
20	Which sideband is commonly used in the VHF and UHF bands?
	a) Upper Sideband
	b) Lower Sideband
	c) Vestigial Sideband
21	Which of the following is an advantage when using single sideband as compared to other voice modes on the HF amateur bands?
	a) Very high fidelity voice modulation
	b) Less bandwidth used and high power efficiency
	c) Ease of tuning on receive
22	Which of the following is true of single sideband (SSB) voice mode?
	a) It is a form of amplitude modulation in which one sideband and the carrier are suppressed

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30 APR 2023

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