

[Dashboard](#) / [My courses](#) / [Satellite and Space Communications \(Rayak - Section A - 201286\) Spring 2021 - 2022](#) / [CENG679 - Quizzes](#)
/ [CENG679-Quiz#2](#)

Started on Friday, 25 March 2022, 4:23 PM

State Finished

Completed on Friday, 25 March 2022, 4:43 PM

Time taken 20 mins 1 sec

Grade 6.00 out of 10.00 (60%)

Question **1**

Incorrect

Mark 0.00 out of 1.00

The number of transponders can be doubled by the use of (select 2):

- ☐ a. spot beams
- ☒ b. polarization frequency reuse
- ☐ c. on-board processing
- ☒ d. several amplifiers



Question **2**

Correct

Mark 1.00 out of 1.00

Typical antenna temperature will be much lower in the uplink than the downlink since a satellite receiver antenna is exposed to the full thermal radiation of earth.

Select one:

- ☐ True
- ☒ False

Question **3**

Incorrect

Mark 0.00 out of 1.00

If the transmitted power of an earth station is 10 W and the gain of its antenna is 10 dB, the EIRP is:

- ☒ a. None of the choices
- ☐ b. 20 Watt
- ☐ c. 20 dBW
- ☐ d. 11 dBW

Question **4**

Correct

Mark 1.00 out of 1.00

The major advantage of the TWT is its wide bandwidth capability at microwave frequencies.

Select one:

- ☒ True ✓
- ☐ False

Question **5**

Incorrect

Mark 0.00 out of 1.00

If the distance between the earth station and the satellite is 10,000 Km; the frequency of transmission is 10 GHz, then the free space path loss is:

- ☐ a. 19.22 dB
- ☒ b. None of the choices
- ☐ c. 0.1922 dB
- ☐ d. 192.44 dB

Question **6**

Correct

Mark 1.00 out of 1.00

The energy per bit to noise density ratio, the carrier to noise density and the carrier to noise ratio behave similarly in terms of system performance, the smaller the value the better the performance.

Select one:

- ☐ True
- ☒ False ✓

Question **7**

Correct

Mark 1.00 out of 1.00

The satellite control facility that controls the satellite from the ground is called

- ☒ a. TTC&M
- ☐ b. SCF
- ☐ c. TCM&T
- ☐ d. CTM&T

Question **8**

Incorrect

Mark 0.00 out of 1.00

The antenna gain is proportional to the square of the frequency of operation

Select one:

- ☐ True
- ☒ False ✖

Question **9**

Correct

Mark 1.00 out of 1.00

A satellite may have more than one payload.

Select one:

- ☒ True ✔
- ☐ False

Question **10**

Correct

Mark 1.00 out of 1.00

The frequency translation transponder, also referred to as a

- ☒ a. non-regenerative repeater
- ☐ b. regenerative repeater
- ☐ c. demod/remod transponder
- ☐ d. traveling wave tube

[◀ CENG679-Quiz#1](#)