



# BRAINWARE UNIVERSITY

**Term End Examination 2023**  
**Programme – B.Tech.(CSE)-2018/B.Tech.(CSE)-2019**  
**Course Name – Satellite Communication**  
**Course Code - OEC-802B**  
**( Semester VIII )**

**Full Marks : 60**

**Time : 2:30 Hours**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

### Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) GPS define as \_\_\_\_\_.
- |                              |                              |
|------------------------------|------------------------------|
| a) Global Positioning System | b) Global Positioning System |
| c) Guide Posting System      | d) Global pointing System    |
- (ii) State, How many techniques are used for achieving multiple access?
- |      |      |
|------|------|
| a) 2 | b) 3 |
| c) 4 | d) 5 |
- (iii) FDD technique explain in multiplexing \_\_\_\_\_.
- |                              |                              |
|------------------------------|------------------------------|
| a) Frequency division duplex | b) Frequency double division |
| c) Frequency duplex division | d) Frequency division double |
- (iv) Select, Which of the following statement is true regarding the FDD satellite technique?
- |   |                                  |
|---|----------------------------------|
| a) It uses only upward channel                      | b) It uses only downward channel |
| c) It uses both upward channel and downward channel | d) None of the above             |
- (v) Select, Which of the following are the advantages of FDMA?
- |                            |   |
|----------------------------|---|
| a) It is easy to implement | b) It is a continuous transmission scheme |
| c) Less complex scheme     | d) All of these                           |
- (vi) Report, Which of the following statement is true for satellite communication?
- |  |                                     |
|--|-------------------------------------|
| a) It is a method to transport information from one place to another place via satellite | b) It is a method to transmit waves |
| c) It is a method to measure information between satellites                              | d) None of the these                |
- (vii) Tell, what dose the rotation of a geosynchronous satellite means
- |                                   |                                    |
|-----------------------------------|------------------------------------|
| a) drift from stationary position | b) wobbling                        |
| c) three-axis stabilization       | d) three-dimensional stabilization |



11. Name and define the modes of multiple access? (5)
12. What is transponder? Why it is express as the brain of a satellite communication system? (5)  
Also explain various type of transponder.

**OR**

Express satellite point to point telephone networks with neat diagram. (5)

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