

Unit 4 - Week 3

Course outline

How to access the portal

Week 1

Week 2

Week 3

Differential Global Navigation Satellite System (DGNS)

REAL-TIME KINEMATIC (RTK)

Satellite Based Augmentation System (SBAS)

GNSS Errors

GNSS Correction Methods

Quiz : Assignment 3

Week 4

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Assignment 3

The due date for submitting this assignment has passed.

Due on 2019-08-21, 23:59 IST.

As per our records you have not submitted this assignment.

1) Applications where the cost of a differential GNSS system is not justified or if the rover stations are spread over too large an area, a may be more appropriate for enhancing position accuracy: **1 point**

- CBAS
 GBAS
 SBAS
 ZBAS

No, the answer is incorrect.
Score: 0

Accepted Answers:
SBAS

2) SBAS systems are satellite systems which provide services for improving the accuracy, integrity and availability of basic GNSS signals: **1 point**

- Polar orbiting
 Geostationary
 Geosynchronous
 Low earth orbiting

No, the answer is incorrect.
Score: 0

Accepted Answers:
Geosynchronous

3) SBAS system of Europe is called: **1 point**

- EGNOS
 IGNOS
 IGNIS
 EGNIS

No, the answer is incorrect.
Score: 0

Accepted Answers:
EGNOS

4) GAGAN is an SBAS that supports navigation over Indian space **1 point**

- Train
 Taxi
 Flight
 Stand alone receivers

No, the answer is incorrect.
Score: 0

Accepted Answers:
Flight

5) In DGNS operations, station transmits corrections to the station for improved positioning? **1 point**

- Rover, base
 (b) Base, rover
 Both
 All

No, the answer is incorrect.
Score: 0

Accepted Answers:
(b) Base, rover

6) The process of differential correction to improve GNSS? **1 point**

- Accuracy
 Precision
 Timing
 Frequency

No, the answer is incorrect.
Score: 0

Accepted Answers:
Accuracy

7) In GNSS positioning, absolute accuracy is the degree to which the position of an object on a conforms to its correct location on the? **1 point**

- Earth, Map
 Map, Satellite Image
 Earth, Satellite Image
 Map, Earth

No, the answer is incorrect.
Score: 0

Accepted Answers:
Map, Earth

8) The line between a pair of stations for which simultaneous GNSS data has been collected is known as: **1 point**

- Line
 Polyline
 Baseline
 Multi-line

No, the answer is incorrect.
Score: 0

Accepted Answers:
Baseline

9) RTK uses ranging whereas DGNS uses positioning.: **1 point**

- Code-based, Carrier-based
 Carrier-based, Code-based
 Code-based, Code-based
 Carrier-based, Carrier-based

No, the answer is incorrect.
Score: 0

Accepted Answers:
Carrier-based, Code-based

10) Ionospheric delay varies with: **1 point**

- Solar activity
 Season
 Time of day and location
 All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Solar activity