

Unit 3 - Week 2

Course outline

How does an NPTEL online course work?

Week 1

Week 2

GPS User Segment

GPS Positioning of Control Point

Demonstration of GPS Receivers, Software and Positioning of Control Point

GPS Position

Principle of GPS Positioning & GPS Observables

Quiz : Assessment 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

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Assessment 2

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-03-11, 23:59 IST.

1) All GPS receivers are capable of deciphering

1 point

- PRN Code
 Carrier frequency

No, the answer is incorrect.
Score: 0

Accepted Answers:
PRN Code

2) DGPS is a relative positioning method in which radio communication is required for real-time transmission of error messages.

1 point

- False
 True

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

3) provides most precise estimation of position

1 point

- Real time software
 Commercial software
 Scientific software

No, the answer is incorrect.
Score: 0

Accepted Answers:
Scientific software

4) _____ provide communication instruction between GPS receiver and field computer.

1 point

- Firmware
 OS Software
 Controller Software
 Real-time Software

No, the answer is incorrect.
Score: 0

Accepted Answers:
Controller Software

5) Quality of raw GPS measurements primarily depend on

1 point

- Antenna
 Receiver
 Instrument setup
 None of these

No, the answer is incorrect.
Score: 0

Accepted Answers:
Antenna

6) Data for most precise position may be obtained from

1 point

- Relative static method
 Autonomous static method
 DGPS method
 RTK method

No, the answer is incorrect.
Score: 0

Accepted Answers:
Relative static method

7) is not a component of GPS receiver

1 point

- Antenna
 Controller
 Receiver Hardware
 Tripod stand

No, the answer is incorrect.
Score: 0

Accepted Answers:
Tripod stand

8) GPS provides WGS84 coordinates in

1 point

- Cartesian system
 Geodetic system
 Both Cartesian and Geodetic systems
 Either in Cartesian or in Geodetic system

No, the answer is incorrect.
Score: 0

Accepted Answers:
Both Cartesian and Geodetic systems

9) Engineering project requires

1 point

- Geodetic height
 Orthometric height
 Geoid height
 Vertical height

No, the answer is incorrect.
Score: 0

Accepted Answers:
Orthometric height

10) Principle of GPS positioning is

1 point

- Intersection
 Analytical resection
 Resection
 Radiation

No, the answer is incorrect.
Score: 0

Accepted Answers:
Analytical resection