



Applied Remote Sensing Training (ARSET) Program

Overview of the Global Disaster Alert and Coordination System (GDACS)

Homework Questions

Question 1

GDACS provides on-line, near-real time alerts for:

Answers: (bold correct)

- a. **Earthquakes, floods, storms**
- b. Floods, droughts, disease outbreaks
- c. Droughts, wildfires, landslides

Question 2

GDACS is developed by NASA.

Answers: (bold correct)

- a. True
- b. False**

Question 3

Green-color alerts on the GDACS website represent:

Answers: (bold correct)

- a. Minor disaster warning
- b. Moderate disaster warning**
- c. Severe disaster warning

Question 4

The flood detection tool in GDACS uses:

Answers: (bold correct)

- a. Landsat thermal data
- b. MODIS visible data
- c. **GPM microwave data**

Question 5

Orange-alert floods mean:

Answers: (bold correct)

- a. **100 people dead and 80,000 displaced**
- b. 1000 people dead and 800,000 displaced

Question 6

Which factors are used in defining GDACS cyclone vulnerability index?

Short answer text:

Question 7

The highest cyclone vulnerability index always corresponds to a red alert.

Answers: (bold correct)

- a. True
- b. **False**

Question 8

What is the rain-rate value used by GDACS as a threshold for a red alert?

Short answer text:

Question 9

What factors are used by GDACS to decide the earthquake vulnerability index?

Short answer text:

Question 10

UNOSAT activities include:

Answers: (bold correct)

- a. **Analysis of satellite imagery and data for disasters alerts**
- b. Design satellites for disaster alerts