

Course Title: Urban Hazard and Risk Management

Course Code: URP-302

Quiz 2

Student ID: _____

Marks: 5+ (2×5) =15

Time: 35 minutes

1. Please determine whether the following statements are true or false. Write only “True” or “False” beside the question: **Marks: 5×1=5**

- a) Tropical cyclone circulates clockwise in the Northern Hemisphere.
- b) Tropical Storms that occur in the North Atlantic are called hurricanes.
- c) The eye is the most dangerous area of a cyclone with strong wind rings.
- d) High-pitched roofs provide better protection from the strong wind of cyclones.
- e) Trees can shield up to a distance of 1.5 times of the tree height.

2. Answer the following questions:

Marks: 10

A. Write down five design considerations for cyclone shelters [5]

(Note: criteria can include sustainable use of shelters, number & capacity, construction material, windows, doors, and stair design, other facilities)

B. Briefly describe five building construction criteria for cyclone-prone areas with diagrams. [5]

(Note: The criteria can include- suitable site selection, building shape, building pattern, roof design, doors and windows)