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## THE QUIZ TEST for Subject Code: ER601

### FUNDAMENTALS OF CLIMATE CHANGE AND NATURAL DISASTERS

**1. Is the weather the same as climate?**

- a) True
- b) False

**2. What is the primary cause of the overall rising trend in CO<sub>2</sub> in the atmosphere?**

- a) As human population grows, people exhale more CO<sub>2</sub>
- b) CO<sub>2</sub> is increasing because we are coming out of an ice age
- c) The increase in CO<sub>2</sub> is caused by burning of fossil fuels
- d) CO<sub>2</sub> is released by the oceans as they warm
- e) Forest destroy and fire leading more CO<sub>2</sub> is released

**3. Which of these greenhouse gases is most abundant in the atmosphere?**

- a) Carbon dioxide
- b) Methane
- c) Nitrous oxide
- d) Water vapour

**4. Which of the following activities contributes the most to carbon emissions globally?**

- a) Agriculture
- b) Transport
- c) Forestry
- d) Energy supply
- e) Industry
- f) Human waste

**5. How has the global average temperature changed since the Industrial Revolution?**

- a) Cooler by 0.1° Celsius
- b) Warmer by 0.1° Celsius
- c) Warmer by more than 1° Celsius
- d) Warmer by almost 2° Celsius
- e) The temperature has gone up and down, but remains overall the same

**6. Has changed the number of reported hydro-meteorological hazards in recent decades (droughts, floods, wind storms, etc.)?**

- a) Has increased
- b) Has decreased
- c) Has remained about the same

**7. What are the major causes of sea level rise?**

- a) Increasing rainfall and storms
- b) Rivers accelerating
- c) Rocks and soil washing into the sea
- d) Melting glaciers and ice sheets and Seawater expanding as it gets warmer

**8. How much do we want to limit global warming to in terms of a global temperate increase?**

- a) 1.5° Celsius
- b) 2.0° Celsius
- c) 2.5° Celsius
- d) 3.0° Celsius

**9. Which of the following contributes least to your carbon footprint?**

- a) Riding a bike to college
- b) Driving a car to the shops
- c) Cleaning your house
- d) Collecting solid waste

**10. Which country has emitted the most CO<sub>2</sub> over time?**

- a) China
- b) USA
- c) Russian
- d) EU
- e) Japan