

Course No: UNI3316
Course Title: Environmental Science
Date: 09/08/2012
No. of Questions: (4)
Time: 2hours
Using Calculator (No)

University of Palestine

Final Exam
3^{ed} 2012/2013
Total Grade: 80

Instructor Name: _____
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: _____
Using Dictionary (No)

(mark and answer on the exam sheets)

Question One: What is the definition of the followings? (3 pts each)

- 1: Environment
- 2: Sustainable development (as came in the Brundtland Report)
- 3: destructive margins
- 4: Photosynthesis
- 5: Tundra
- 6: Typhoons and hurricanes

Question Two: Answer the following Short questions (3 pts each)

- 7: What are **the major outputs** of UNCED 1992 Conference?
- 8: What are **the factors**, on which **Earthquake Damage** depends?
- 9: What are the **important gases**, which the **Atmosphere** composed?
- 10: What are the **disadvantages** of **Nuclear**?

Question Three: True (T) and false (F) questions; (2 pts each)

1. the components of your **social environment** are your family, friends, enemies, trees, water, air, soil, sun, moon, bacteria, insects, rodents, birds, dogs, cats, rats, bats etc. ()
2. The United Nations Conference on the Human Environment, held at **Stockholm** in 1972. ()
3. At its centre, the Earth has a solid inner core, 1370 km in radius, made from iron with some nickel. ()
4. **S-waves** are faster than **P-waves**. The density and elasticity of rock affects the speed of the waves. ()
5. **S-waves** can't travel through liquids. ()
6. Volcanisms occur principally near plate boundaries. ()
7. **Ionic Bond** Formed when two or more atoms share electrons. ()

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8. Most ecosystems have huge number of primary producers supporting a smaller number of secondary consumers, supporting a smaller number of herbivores. ()
9. **Abundance** -Total number of organisms in a community. ()
10. Higher education and personal freedom for women often result in decisions to limit childbearing. ()
11. **Infrared radiation**: is absorbed by ozone in the stratosphere. ()
12. **Aerosols** have a tendency to reflect sunlight and cool surface air Temperatures. ()
13. **Withdrawal**- Fraction of withdrawn water made unavailable for other purposes (Not returned to its source). ()
14. Carbon atoms in deep ocean sediments may take hundreds to millions of years to cycle completely through the system. ()
15. Suitable areas for wind farms are often near the coast, where land is expensive. ()

Question Four: Multiple Choice (2pts each)

1. Sustainable development, ideally, improves living conditions
 - A. for a few decades into the future.
 - B. for the entire current political administration.
 - C. as long as resources last.
 - D. for generations in the future.
 - E. for the present generation.

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2. Which type of diversity refers to the richness and complexity of a biological community?

- A. genetic diversity B. species diversity
C. ecological diversity D. biodiversity

3. _____ are caused by the sliding of one rock mass over another.

- A. volcanoes B. earthquakes
C. landslides D. barrier islands

4. _____ are compounds that readily release hydrogen ions (H⁺) in water.

- A. Bases B. Enzymes
C. Metabolism D. Acids

5. _____ is the Elimination of species.

- A. Habitat Destruction B. Island Biogeography
C. Hunting and Fishing D. Extinction

6. Temperature inversions, heat islands and dust domes are the result of

- A. El Nino B. ozone depletion
C. urban pollution D. acid rain

7. _____ Number of species at each trophic level, and the number of trophic levels, in a community.

- A. Diversity B. Abundance
C. Complexity

8. _____ Stored, latent energy available for use.

- A. Energy B. Kinetic Energy
C. Potential Energy

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9. _____ A molecule or atom loses an electron.

- A. Reactions
- B. Oxidation
- C. Reduction

10. _____ A biological community and its physical environment.

- A. Species
- B. Population
- C. Biological Community
- D. Ecosystem

End of Questions
Good Luck