

Course No: PHLT1210
Course Title: Environmental Health
Date: 11/5/2018
No. of Questions: (4)
Time: 2hours
Using Calculator (No)

University of Palestine



Final Exam For 2nd
Semester.
2017/2018
Total Grade:60

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

Question One: Choose the correct answer: (20 Marks)

1. **Sewage is mainly a**
 - a. liquid waste.
 - b. Gaseous waste.
 - c. Solid waste.
 - d. Mixture of solid and gas.

2. **'Aerobic' decomposition takes place in**
 - a. Two stages
 - b. Four Stages
 - c. Three stages
 - d. Five stages

3. **In the situation where a main sewage system is not available, sewage may be collected from homes by pipes into**
 - a. Lagoons
 - b. Mound system
 - c. Septic Tanks
 - d. None of the above

4. **Fertilizers, insecticides are known as**
 - a. Agricultural Pollution
 - b. Municipal Pollution
 - c. Mining Pollution
 - d. Industrial Pollution

5. **The most serious environmental effect posed by hazardous wastes is**
 - a. Air pollution
 - b. Increased use of land for landfills.
 - c. Contamination of groundwater
 - d. None of these

6. **The following is(are) safety occupational hazard(s)**
 - a. Untidy floors
 - b. Inhalation
 - c. Electricity
 - d. All of the above

7. **Which of the following is a harm caused by biological occupational hazard(s)?**
 - a. Hormonal imbalance
 - b. Back pain
 - c. Skin disease
 - d. None of the above

8. **A herbicide is used to kill what type of pest?**
 - a. Plants
 - b. Insects
 - c. Diseases
 - d. Bacteria

9. **Farmers use pesticides because they**
 - a. Add nutrients, like nitrogen and phosphorus, to the soil.
 - b. Make crops resistant to harmful bugs.
 - c. Provide a rich water supply to the crops.
 - d. Kill unwanted organisms that destroy crops.

10. **Which of the following is NOT related to pesticide?**
 - a. Can pollute waterways.
 - b. Can threaten human health.
 - c. Adults are more vulnerable to pesticide
 - d. Can travel from one location to another.

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11. The soil and sand is settled at the bottom in

- a. Metal screen
- b. Sludge tank
- c. Grit chamber
- d. Filter bed

12. Treated sewage can be pumped into __ Except.

- a. Lake
- b. Rivers and streams
- c. Crops fields
- d. Oceans

13. Which process during wastewater treatment helps in killing germs?

- a. Sedimentation
- b. Aeration
- c. Flocculation
- d. Chlorination

14. All of the following are considered toxic metal pollutants of food __ Except.

- a. Copper
- b. Lead
- c. Cadmium
- d. Potassium

15. Effect of noise pollution is mainly on

- a. Chemical factor
- b. Biological factor
- c. Physical factor
- d. All of the above

16. Which of the following disease cannot be caused by contaminated drinking water?

- a. Entomoba Histolytica
- b. Arthritis
- c. Giardia
- d. Hepatitis A

17. Which of the following variables Not be used as quality indicator of drinking water?

- a. Physical parameters
- b. Ecological parameters
- c. Chemical parameters
- d. Radiological parameters

18. The following known as municipal wastewater Except

- a. Wastewater from residences
- b. Wastewater from factories
- c. Wastewater from business buildings
- d. Wastewater from institutions

19. Which of the following foodborne illness is caused by naturally toxins?

- a. Estrogenic effect
- b. Minamata
- c. Paralysis
- d. Loss of vision

20. Which of the following is not related to pesticide residue?

- a. Remain on or in food
- b. Regulations control maximum allowable levels
- c. Can be magnified through the food chain
- d. Can not be detected in meat, poultry, and fish

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Question Two: True (T) and False (F): (15 Marks)

1. () Primary wastewater treatment removes settleable organic and inorganic solids by sedimentation and floating materials by skimming.
2. () Colloidal and dissolved constituents are removed at primary wastewater treatment stage.
3. () Secondary wastewater treatment uses aerobic biological treatment processes.
4. () Tertiary wastewater treatment removes biodegradable organics, bacteria and viruses.
5. () Disaster response is the aggregate of all measures taken by humans before the event occur
6. () Recovery phase of disaster management occurs when all of the damage from an event has been repaired
7. () The ability to provide hygiene practices that protect health in emergencies depends on the availability of material resources and personal resources.
8. () Un safe water for making food or drinks during emergencies must be treated by chlorination or by ultraviolet
9. () Household solid waste must be bury by families during emergencies
10. () Children can play in or near pools of polluted wastewater .
11. () During disaster, cooked fish, meat, milk and eggs that have not been stored properly that can be used after boiling.
12. () The most obvious direct costs of occupational injuries is the human suffering caused to workers' families.
13. () A risk is anything with the potential to cause harm for workers
14. () Physical hazards are the result of the design and management of work and its social and organizational contexts
15. () Poisonings by methyl mercury have caused deaths and cases of permanent damage to the central nervous system.

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Question Three: Match the following (10 Marks)

1.	Shelter		Extreme temperatures
2.	Fertilizers		Disasters
3.	Preparedness phase		Foodborne illness
4.	Storage of water		Covered containers
5.	Excreta disposal		Mechanical hazards
6.	Armed conflict		Longer-term settlements
7.	Physical hazards		Reduce the severity
8.	Ergonomic hazards		Avoided near water sources
9.	Aflatoxins		Warning systems
10.	Mitigation phase		Chemical contaminants

Question Three: Answer the following questions (15 Marks)

1. Climate change has significant implications for health, what are health effects of climate change?(5 marks)



2. What are the human health effects of pesticides?(2marks)

3. Classify the types of disasters, and give examples for each type?(2 marks)

4. Describe types of wastewater?(2 marks)

5. List occupational diseases that well known? (2 marks)

**6. List potentially health problems that can be associated with poor working conditions?
(2 marks)**