

اسم الطالب:

الدرجة: 100

المدة: ساعتان

سليم تصحيح مقرر التلوث باللغة الانكليزية

لطلاب السنة الثالثة

الفصل الأول 2024 - 2025

جامعة دمشق

كلية العلوم

قسم العلوم البيئية

Question 1: Choose the proper term

20 Marks

1. Turbidity
2. Tss
- 3 Chromatography
4. Remote sensing and GIS
5. the consequences of Global Warming.
6. Eutrophication.
7. Harmful algal blooms (HABs) can be caused by blue-green algal (cyanobacteria).
8. Phytoremediation.
9. secondary air pollutants.
- 10 Primary air pollutants.

Question 2: Complete the meaning of each sentences by filling in the blanks with the missing words or terms:

(23 marks)

1. pollution of air, water and land. 1
2. Nondegradable pollutant do not degrade or degrade only very slowly in nature. 1
3. biodegradable pollutants are. 1
4. like CFC and HCFC (or halons or VOCs), 2
5. greenhouse effect. 1
6. Global warming. 1
7. Only 2 of these: Tobacco smoke, cooking stoves and House hold products, Building materials, Mold and pollen. 2
8. PH testing, DO testing, Nutrient testing and heave metals testing. 4
9. cdeplete O₂ in the water, Sunlight 2
10. Agricultral pollution, Industrial wastes, and urban activities. 3
11. Clay content, SOM, PH, moisture level are important soil characteristics affect the behavior of contaminants. 3
12. Only 2 of these time and monitoring Protocolsand monitoring records, parameter ,data submission , inferences. 2

Question 3: Answer by true or false and correct the mistakes (26 marks)

1. Stratosphere is the region above the troposphere T
2. Soil is a three state system of solids, liquid and gases. T
3. B horizon of a soil profile is rich in OM. F A horizon
4. Petroleum refineries are the major source of gaseous pollutants and air pollution. T
5. Pollutants can only reach groundwater through subsurface sources. F and surface sources
6. Pesticides can be harmless to aquatic life and human. F toxic or harmful
7. . F It is important
8. Bio indicators and microbial tests can be used to assess air quality. F asses water quality
9. Natural factors like rainfall affect groundwater pollutants movement. T
10. Chemical water pollution includes contaminants like harmful microorganisms F. like Heavy metals....., industrial chemicals and pesticides. Or biological water pollution 1

11. Reducing Nutrient pollution through better agricultural practices prevent algal blooms. T
12. Visual inspection and water sampling & laboratory analyzing are methods used to detect harmful algal blooms (HABs). T
13. The speed of pollutants movement through the soil depend on factors like: the type of contaminant, soil permeability, and ground water velocity. T
14. Proper waste disposal prevents groundwater contamination. T
15. Improper disposal of electronic waste and batteries are sources of heavy metal contamination. T
16. Improper soil management system cause soil pollution. T
17. **Promoting forestation increase soil pollution. F reduce or prevent**
18. Organic fertilizers reduce soil pollution. T
19. DDT is the great persistence in the environment. T

Question 4: Translate the following sentences: (10 marks)

- أوزون الستراتوسفير ضروري (أساسي) لحماية الحياة على الأرض ١ بينما الأوزون التروبوسفيري هو ملوث ضار ١ يشكل مخاطر صحية وبيئية كبيرة ١
- يعتمد الضرر البيولوجي ١ الناتج عن الإشعاع ١ على العوامل التالية (أ): وقت التعرض ١ (ب) شدة الإشعاع ١ (ج) نوع الإشعاع المؤين (أي قدرته على الاختراق) ١

Question 5: what are the six primary criteria pollutants? (6) marks

- 1) Particulate matter 2) ozone 3) Carbon monoxide 4) Sulfur oxides 5) Nitrogen oxides 6) Lead

Question 6: How does Acid rain affect aquatic systems? (5 mark)

Lowering pH Levels 1, Harm to Aquatic Life 1, Nutrient Imbalance 1, Toxic Metals 1, Biodiversity loss 1

Question 7: What are the differences between point and non-point source of water pollution (location, identification and monitoring? Mention an example 6marks

Source of water pollution	Point source	Nonpoint source
Location	At specific places (1)	Broad or diffuse area (1)
monitoring	Easy (1)	Difficult (1)
Example	Drain pipes (1)	Industrial/ or agricultural runoff (1)

Question 8: What are steps to Test Soil for Heavy Metals? 4 marks

٤ تعدادات رئيسية لكل منها ٢ ويمنح الطالب ٢ لكل تعداد اذا أشار إلى محتوى التعداد الفرعي بدل ذكره

1. Sample Collection, Preparation , Laboratory analyzing , Interpreting results

The end

مدرس المقرر

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