NEWFOUNDLAND AND LABRADOR ENVIRONMENTAL SCIENCE 3205 · FINAL EXAM · 50 QUESTIONS

Final Exam — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Environmental science is the study of interactions between humans and the**

A atmosphere only

B environment

C oceans only

D climate only

Understand It with Pulse | Flag a mistake

2 **A producer in an ecosystem makes food by photosynthesis or chemosynthesis and forms the base of a**

A population only

B food web

C community only

D habitat only

Understand It with Pulse | Flag a mistake

3 **Carrying capacity is the maximum population size an environment can sustain over time given available**

A predators only

B resources

C space only

D water only

Understand It with Pulse | Flag a mistake

4 **Solar energy is renewable because sunlight is continuously supplied by the**

- A Moon
- B Earth core
- C Sun
- D atmosphere

Understand It with Pulse | Flag a mistake

5 **A national park protects ecosystems and wildlife while allowing compatible public**

- A mining
- B logging
- C use and enjoyment
- D development

Understand It with Pulse | Flag a mistake

6 **Biotic factors in an ecosystem include plants, animals and**

A rocks

B water

C air

D microorganisms

Understand It with Pulse | Flag a mistake

7 **A decomposer breaks down dead matter and returns nutrients to the**

A atmosphere only

B producers only

C soil only

D ecosystem

Understand It with Pulse | Flag a mistake

8 **A population grows when birth rate plus immigration exceeds death rate plus**

A predation

B competition

C disease

D emigration

Understand It with Pulse | Flag a mistake

9 **Biomass energy comes from organic matter such as wood, crops and**

A coal

B oil

C waste

D gas only

Understand It with Pulse | Flag a mistake

10 **Reforestation plants trees in areas where forests were removed, helping restore habitat and store**

A water only

B soil only

C carbon

D oxygen only

Understand It with Pulse | Flag a mistake

11 **The scientific method begins with observations and a testable**

A hypothesis

B conclusion

C theory only

D law only

Understand It with Pulse | Flag a mistake

12 **A food web is more realistic than a food chain because most organisms eat and are eaten by**

A more than one species

B only one species

C only producers

D only decomposers

Understand It with Pulse | Flag a mistake

13 **The demographic transition model describes changes in birth and death rates as a society**

A shrinks

B migrates

C urbanizes only

D develops

Understand It with Pulse | Flag a mistake

14 **Recycling reduces resource use because materials are reprocessed into new**

A waste

B energy only

C products

D fuel only

Understand It with Pulse | Flag a mistake

15 **Hazardous waste requires special handling because it can harm human health or the**

A economy only

B climate only

C environment

D soil only

Understand It with Pulse | Flag a mistake

16 **In an experiment, the dependent variable is the variable that is**

A changed by the researcher

B kept constant always

C ignored

D measured as a result

Understand It with Pulse | Flag a mistake

17 **The variety of life includes genetic variety, species variety and ecosystem**

A stability only

B productivity only

C size only

D diversity

Understand It with Pulse | Flag a mistake

18 **A population pyramid with a wide base indicates a large proportion of**

A old people

B migrants

C workers only

D young people

Understand It with Pulse | Flag a mistake

19 **Water conservation includes fixing leaks, using efficient fixtures and reusing water where**

A possible only

B cheap only

C safe

D required

Understand It with Pulse | Flag a mistake

20 **Public participation in environmental decisions helps ensure that local knowledge and values are**

A ignored

B overruled

C considered

D delayed

Understand It with Pulse | Flag a mistake

21 **A town of 2000 people uses 4000 litres per day. The use per person in litres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A plot has 5 species with counts 10, 20, 30, 20 and 20. The total individuals is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **A population doubles every 25 years. Starting at 800, after 25 years the population is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **A forest of 10000 trees is harvested at 500 trees per year and regrows 500 per year. The net change per year is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **A landfill receives 300 tonnes per week for 4 weeks. The total in tonnes is**

ANSWER _____

Understand It with Pulse | Flag a mistake

26 **A survey of 500 people finds 350 support recycling. The number who do not support it is**

ANSWER _____

Understand It with Pulse | Flag a mistake

27 **A population of 300 deer increases by 60. The new population is**

ANSWER _____

Understand It with Pulse | Flag a mistake

28 **A population grows from 200 to 300. The increase as a percentage of the original is**

ANSWER _____

Understand It with Pulse | Flag a mistake

29 **A factory reduces energy use from 5000 units to 4000 units. The saving in units is**

ANSWER _____

Understand It with Pulse | Flag a mistake

30 **A program reduces plastic use from 800 units to 200 units. The reduction in units is**

ANSWER _____

Understand It with Pulse | Flag a mistake

31 **A model in environmental science is a simplified representation used to understand and predict**

A complex systems

B single facts only

C laws only

D theories only

Understand It with Pulse | Flag a mistake

32 **Competition occurs when organisms seek the same limited**

A habitat only

B resources

C mates only

D predators

Understand It with Pulse | Flag a mistake

33 **Death rate is usually expressed as deaths per 1000 people per**

A month

B year

C decade

D generation

Understand It with Pulse | Flag a mistake

34 **Energy efficiency is useful energy output divided by total energy**

A loss

B input

C waste

D cost

Understand It with Pulse | Flag a mistake

35 **An endangered species is at serious risk of extinction, while a threatened species is likely to become endangered if threats**

A stop

B continue

C decrease

D change

Understand It with Pulse | Flag a mistake

36 **Nonpoint source pollution comes from many diffuse sources, such as runoff from**

A farmland

B a single pipe

C a chimney only

D a landfill only

Understand It with Pulse | Flag a mistake

37 **Secondary succession begins in an area where soil remains, such as after a forest**

A eruption

B fire

C glacier

D landslide only

Understand It with Pulse | Flag a mistake

38 **Resource use per person multiplied by population gives total resource**

A supply

B demand

C capacity

D growth

Understand It with Pulse | Flag a mistake

39 **Irrigation supplies water to crops in areas where rainfall is**

A excessive

B insufficient

C seasonal only

D unpredictable only

Understand It with Pulse | Flag a mistake

40 **Integrated pest management uses a combination of biological, cultural and chemical methods to control pests while reducing**

A cost only

B harm

C time only

D yield only

Understand It with Pulse | Flag a mistake

41 **A study measures 8 sites with 15 samples each. The total samples is**

ANSWER _____

Understand It with Pulse | Flag a mistake

42 **Producers have 5000 energy units. At 10 percent transfer, primary consumers receive**

ANSWER _____

Understand It with Pulse | Flag a mistake

43 **A population of 2000 grows by 5 percent. The increase is**

ANSWER _____

Understand It with Pulse | Flag a mistake

44 **A solar panel produces 150 watts for 6 hours. The energy in watt hours is**

ANSWER _____

Understand It with Pulse | Flag a mistake

45 **A restoration project plants 500 trees per year for 6 years. The total trees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

46 **A sample of 400 items has 100 glass items. The glass percentage is**

ANSWER _____

Understand It with Pulse | Flag a mistake

47 **A population of 400 increases by 25 percent. The increase is**

ANSWER _____

Understand It with Pulse | Flag a mistake

48 **A population of 3000 has carrying capacity 4000. The remaining capacity is**

ANSWER _____

Understand It with Pulse | Flag a mistake

49 **A car travels 300 kilometres on 25 litres. The distance per litre in kilometres is**

ANSWER

Understand It with Pulse | Flag a mistake

50 **A program reduces use from 1000 to 400 units. The reduction as a percentage is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. B
3. B
4. C
5. C
6. D
7. D
8. D
9. C
10. C
11. A
12. A
13. D
14. C
15. C
16. D
17. D
18. D
19. C
20. C
21. 2
22. 100
23. 1600
24. 0
25. 1200
26. 150
27. 360
28. 50
29. 1000
30. 600
31. A
32. B
33. B
34. B
35. B
36. A
37. B
38. B
39. B
40. B
41. 120
42. 500
43. 100
44. 900
45. 3000
46. 25
47. 100
48. 1000
49. 12
50. 60

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