FINAL EXAM - PRACTICE TEST | NEW BRUNSWICK ENVIRONMENTAL SCIENCE 120 · 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 **Primary consumers gain 1000 kilocalories. At 10 percent transfer, secondary consumers gain kilocalories of**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A city produces 400 tonnes of waste and recycles 25 percent. The recycled mass in tonnes is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A population grows at 5 percent per year. By the rule of 70 the doubling time in years is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A solar panel produces 300 watts for 5 hours. The energy in watt hours is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **A population of 200 grows by 20 births and loses 10 deaths in a year. The net change is**

ANSWER

Understand It with Pulse | Flag a mistake

6 **Atmospheric carbon dioxide rises from 320 to 420 parts per million. The increase is**

ANSWER

Understand It with Pulse | Flag a mistake

7 **A resource reserve of 5000 units is used at 250 units per year. The years until depletion are**

ANSWER

Understand It with Pulse | Flag a mistake

8 **A green roof reduces cooling energy by 25 percent. From 800 units the saving is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A pond has 120 fish and 30 are removed. The remaining fish are**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A household uses 300 litres of water per day and saves 10 percent. The saving in litres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **A fish stock of 4000 is harvested at 10 percent per year. The harvest is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **A rain barrel collects 200 litres from a storm. Four barrels collect litres of**

ANSWER

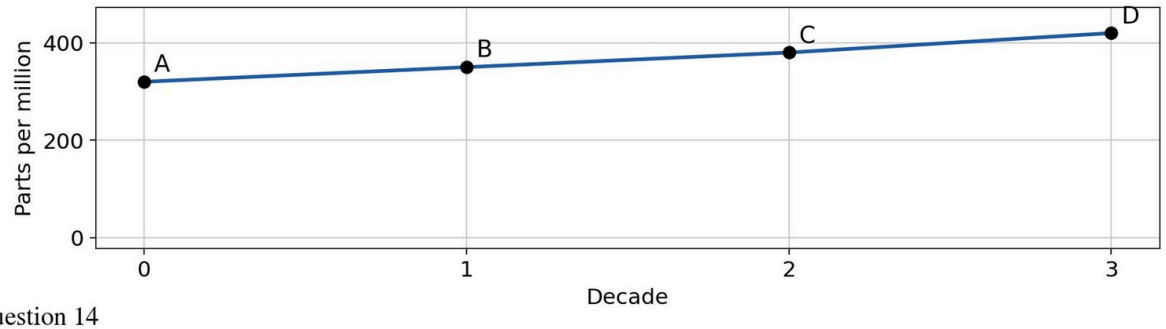
Understand It with Pulse | Flag a mistake

13 **A community has 5 species with counts 10, 20, 30, 40 and 50. The total individuals are**

ANSWER

Understand It with Pulse | Flag a mistake

14 **The graph shows carbon dioxide rising from 320 to 420 parts per million. The increase is**



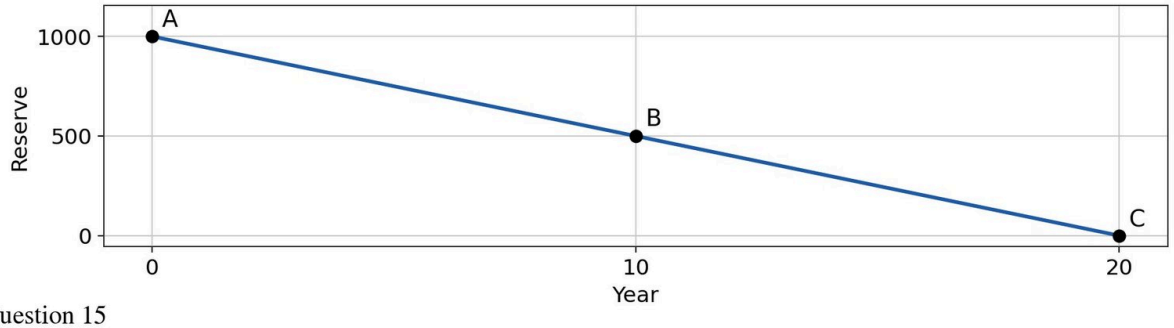
Question 14

The graph shows carbon dioxide rising from 320 to 420 parts per million. The increase is

ANSWER

Understand It with Pulse | Flag a mistake

15 **The graph shows a non renewable resource falling from 1000 to $\frac{0}{20}$ years . The total used is**



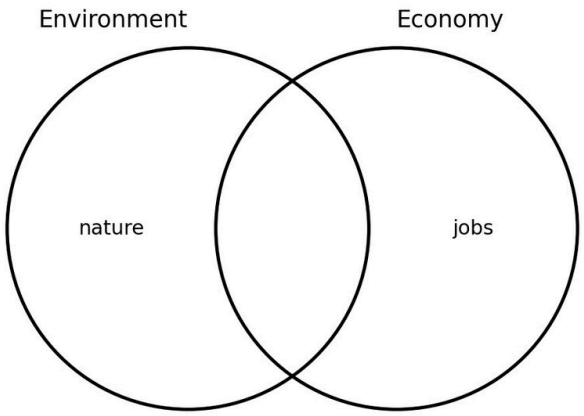
Question 15

The graph shows *a non* renewable resource falling from 1000 *to* 0 / 20 years . *The* total used *is*

ANSWER

Understand It with Pulse | Flag a mistake

16 **The diagram shows environment, economy and society overlapping. The shared centre is**



Question 16

The diagram shows environment, economy and society overlapping. The shared centre is

A) sustainability

B) profit

C) growth

D) conservation only

- **A** sustainability
- **B** profit
- **C** growth
- **D** conservation only

Understand It with Pulse | **Flag a mistake**

17 **Decomposers recycle nutrients by breaking down**

A living plants

B dead matter

C minerals only

D water

Understand It with Pulse | Flag a mistake

18 **The greenhouse effect warms Earth because greenhouse gases absorb**

A visible light only

B infrared radiation

C ultraviolet only

D sound

Understand It with Pulse | Flag a mistake

19 **A renewable resource can be replenished on a human**

A geological timescale only

B daily basis only

C seasonal basis only

D timescale

Understand It with Pulse | Flag a mistake

20 **Green building design uses insulation and natural light to reduce**

A energy use

B construction cost

C building size

D occupancy

Understand It with Pulse | Flag a mistake

21 **Abiotic factors include temperature, water and**

A predators

B light

C plants

D bacteria

Understand It with Pulse | Flag a mistake

22 **Eutrophication is caused by excess nutrients leading to algal**

A blooms

B deaths of algae

C clear water

D low nutrients

Understand It with Pulse | Flag a mistake

23 **Urbanisation increases demand for housing, water and**

A forests

B wildlife

C energy

D farmland only

Understand It with Pulse | Flag a mistake

24 **Environmental stewardship means caring for resources for**

A present profit

B current users only

C industry

D future generations

Understand It with Pulse | Flag a mistake

25 **Predation is an interaction where one organism eats**

A another

B itself

C a plant only

D a decomposer

Understand It with Pulse | Flag a mistake

26 **A carbon footprint measures total greenhouse gas emissions from an activity or**

A person

B factory only

C country only

D vehicle only

Understand It with Pulse | Flag a mistake

27 **Water scarcity is worsened by over extraction from**

A rivers only

B aquifers

C lakes only

D oceans

Understand It with Pulse | Flag a mistake

28 **Reforestation restores forests by planting**

A crops

B grass

C trees

D shrubs only

Understand It with Pulse | Flag a mistake

29

Mutualism benefits

A one species only

B both species

C neither species

D the predator only

Understand It with Pulse | Flag a mistake

30

An environmental impact assessment is done before a project to predict its

A profits

B jobs

C costs only

D effects

Understand It with Pulse | Flag a mistake

31 **A population grows at 4 percent per year. The doubling time by the rule of 70 in years is**

ANSWER _____

Understand It with Pulse | Flag a mistake

32 **A community saves 10 percent of 2000 kilowatt hours. The saving is**

ANSWER _____

Understand It with Pulse | Flag a mistake

33 **A population of 300 has 60 births and 20 deaths. The final population is**

ANSWER _____

Understand It with Pulse | Flag a mistake

34 **A factory cuts 1200 tonnes by 10 percent. The reduction in tonnes is**

ANSWER _____

Understand It with Pulse | Flag a mistake

35 **A fish stock of 5000 harvested at 20 percent gives a harvest of**

ANSWER _____

Understand It with Pulse | Flag a mistake

36 **A town recycles 300 of 1200 tonnes. The recycling rate in percent is**

ANSWER _____

Understand It with Pulse | Flag a mistake

37 **Mark recapture marks 30, recaptures 50 with 15 marked. The estimated population is**

ANSWER _____

Understand It with Pulse | Flag a mistake

38 **A program collects 900 kilograms in 30 days. The daily average in kilograms is**

ANSWER _____

Understand It with Pulse | Flag a mistake

39 **A country uses 300 units and recycles 100. The net use is**

ANSWER _____

Understand It with Pulse | Flag a mistake

40 **A compost program diverts 200 kilograms per month. In 6 months the diversion is**

ANSWER _____

Understand It with Pulse | Flag a mistake

41 **An ecosystem includes biotic and abiotic factors interacting in a**

A place

B species only

C population only

D food chain only

Understand It with Pulse | Flag a mistake

42 **Smog is air pollution that reduces**

A visibility and harms health

B water quality

C soil fertility

D biodiversity only

Understand It with Pulse | Flag a mistake

43 **Groundwater is water stored in**

A rivers

B lakes

C oceans

D aquifers

Understand It with Pulse | Flag a mistake

44 **Environmental education helps communities make**

A quick profits

B political decisions

C technological choices

D informed choices

Understand It with Pulse | Flag a mistake

45 **Photosynthesis stores light energy as**

A heat energy

B kinetic energy

C sound energy

D chemical energy

Understand It with Pulse | Flag a mistake

46 **Biomagnification means pollutant concentration increases up the**

A food web only

B water cycle

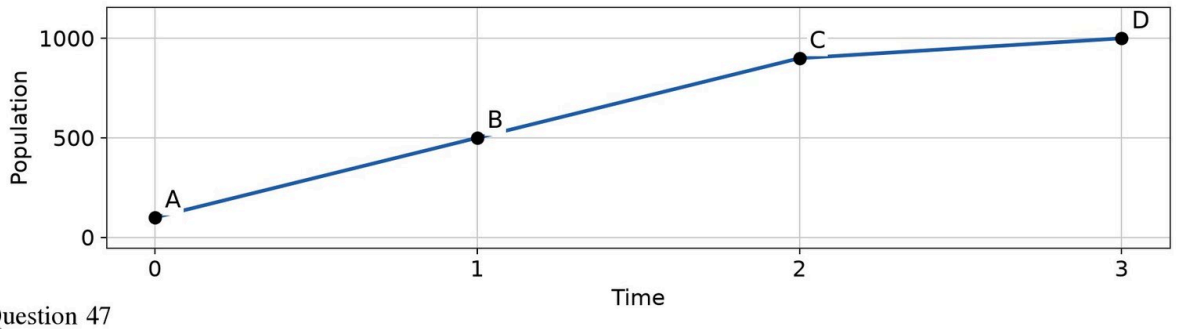
C carbon cycle

D food chain

Understand It with Pulse | Flag a mistake

47

The graph shows logistic growth levelling off. The level reached is the



Question 47

The graph shows logistic growth levelling off. The level reached is the

A) birth rate

B) death rate

C) carrying capacity

D) growth rate

A birth rate

B death rate

C carrying capacity

D growth rate

Understand It with Pulse

Flag a mistake

48 **A sustainable community plan considers housing, transport and**

A industry only

B population only

C green space

D tourism only

Understand It with Pulse | Flag a mistake

49 **Biodiversity includes variety of species, genes and**

A rocks

B soils

C ecosystems

D climates

Understand It with Pulse | Flag a mistake

50 **The Paris Agreement aims to limit global warming to well below**

A 1 degree Celsius

B 3 degrees Celsius

C 2 degrees Celsius

D 5 degrees Celsius

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	100	**18.**	B	**35.**	1000
2.	100	**19.**	D	**36.**	25
3.	14	**20.**	A	**37.**	100
4.	1500	**21.**	B	**38.**	30
5.	10	**22.**	A	**39.**	200
6.	100	**23.**	C	**40.**	1200
7.	20	**24.**	D	**41.**	A
8.	200	**25.**	A	**42.**	A
9.	90	**26.**	A	**43.**	D
10.	30	**27.**	B	**44.**	D
11.	400	**28.**	C	**45.**	D
12.	800	**29.**	B	**46.**	D
13.	150	**30.**	D	**47.**	C
14.	100	**31.**	17.5	**48.**	C
15.	1000	**32.**	200	**49.**	C
16.	A	**33.**	340	**50.**	C
17.	B	**34.**	120		

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