

**International Green Warrior Olympiad (IGWO)****Sample Paper****Pattern and Marking Scheme**

Grade	Topic/Section	No. of Questions	Marks per Question	Total Marks
Grade 3	Green Champ	40	3	120
	Green Challenger	10	6	60
Grand Total		50		180

The total duration of the exam is 60 minutes. There's a negative marking of $1/3^{\text{rd}}$ marks for every wrong answer.

Syllabus

Clean Water and Sanitation, Affordable and Clean Energy, Sustainable Cities and Communities, Responsible Consumption and Production, Climate Action, Life Below Water, Life on Land, Zero Hunger

For more details, visit <https://www.crestolympiads.com/green-olympiad-gwo>.

Green Champ (Each Question is 3 Marks)

- Which of the following strategies aligns with waste reduction?
 - Throwing away containers after a single use
 - Reusing containers instead of throwing them away
 - Purchasing disposable containers regularly
 - Encouraging single-use items
- Some observations were made about two different pond communities, A and B. Firstly, there were some aquatic animals found in both communities. It was also observed that there were more fully submerged aquatic plants in Pond A than in Pond B. Which of the following could explain the above observations?
 - There were not as many floating aquatic plants in Pond A than in Pond B.
 - There were more predators in Pond B than in Pond A.
 - The water in Pond B was muddier than in Pond A.
 - 1 only
 - 2 only
 - 1 and 3 only
 - 1, 2 and 3
- After a heavy rainfall, the water flows down the streets and into the drains, eventually reaching the rivers and oceans. This is an example of:



- Condensation
 - Evaporation
 - Transpiration
 - Runoff
- What is the effect of climate change on agriculture?
 - Expansion of suitable agricultural areas
 - Increase in overall crop production
 - Decrease in water usage for agriculture
 - Changes in growing seasons and crop yields
 - In a picturesque village nestled beside a dense forest, lived Maya, a passionate environmentalist known as the "Forest Guardian." Maya dedicated her life to raising awareness about the significance of forests among the villagers.

What role do forests primarily play in the ecosystem?

 - Absorbing excess oxygen and releasing carbon dioxide
 - Maintaining desert ecosystems
 - Providing shelter for aquatic animals
 - Acting as the lungs of the Earth, absorbing carbon dioxide and releasing oxygen
 - In a small town nestled amidst sprawling fields, lived a young environmentalist named Alex. He witnessed the transformation of his town due to rapid urbanisation. Alex observed an increase in traffic and construction machinery in his town. What impact does this have on the environment?

- a. Promotes air quality and reduces pollution.
- b. Encourages healthy biodiversity in the area.
- c. Contributes to air and noise pollution, affecting the local ecosystem.
- d. Enhances natural habitats and wildlife conservation efforts.

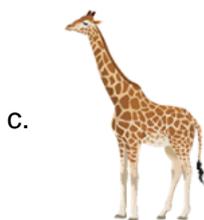
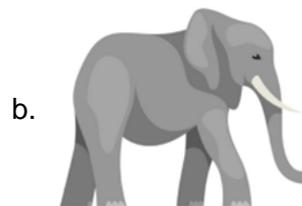
7. Sophie set up an experiment in a controlled environment, simulating the greenhouse effect. She placed a transparent glass container over a pot of soil and measured the temperature inside it compared to the outside temperature. What did Sophie observe in this experiment?

- a. The temperature inside the glass container remained the same as outside.
- b. The temperature inside the glass container was significantly cooler than outside.
- c. The temperature inside the glass container was higher than outside.
- d. The temperature inside the glass container fluctuated randomly compared to outside.

8. In a small village surrounded by dense woods, lived a young boy named Alex. He grew up hearing tales from the elders about the importance of forests. One day, a severe storm struck the village, causing flooding and chaos. Alex witnessed the impact firsthand. What most likely did Alex observe about the role of forests during the storm?

- a. Forests caused more flooding by retaining water
- b. Cleared lands were more resistant to flooding than forested areas
- c. Forests acted as a barrier, reducing soil erosion and lessening the impact of flooding
- d. Forests had no impact on the intensity of the storm

9. Which of these animals could be affected by climate change causing their homes to melt?



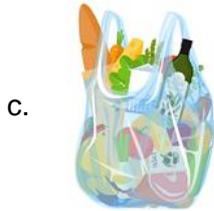
10. Emma and Lucas are concerned about the environment and want to help protect it. They decide to take action. What can they do to help the environment?



Throw trash on the ground



Use cars to travel short distances



Use plastic bags for shopping



Plant trees and flowers

11. Edith loves playing outside during her summer holidays. But she noticed that it's getting extremely hot lately. What happens when Earth gets too hot?



Beaches get bigger



Icebergs melt and cause oceans to rise



Extra-long summers to have fun

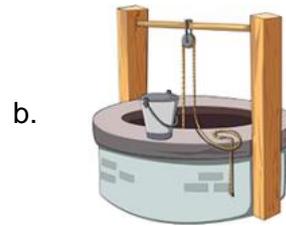


Flowers bloom more beautifully

12. During a science class, the teacher explained different types of sources of water. Where does the water we use for drinking and cooking at home come from?



From the ocean



From well



From puddles



From snow

13. A family lives in a cosy house powered by solar panels. What clean energy source are they using?



Fire



Wind



Sunlight



Water

14. Millie is excited to bake cookies. She wants to save energy while using the oven. What should she do to conserve energy?



Open the oven door frequently to check



Bake multiple batches at the same time



Bake the cookies with the door open



Keep the oven turned on after baking

15. Maya wants to visit her grandma who lives across town. Her mom suggests taking the bus instead of the car. Why is this a good idea?



- a. Buses are faster than cars
b. Buses are more safe than cars
c. Buses cause less pollution and traffic
d. Buses have snacks on board
16. Tommy found a turtle on the beach struggling to move because it was stuck in a plastic bag. What should Tommy do to help the turtle?



- a. Leave the turtle alone
b. Ask an adult to rescue the turtle
c. Put the turtle in water
d. Feed the turtle some food
17. In Mark's village, a large factory emits smoke into the air every day. What might happen to the trees near the factory because of the smoke?



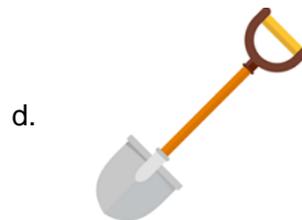
- a. The trees might lose their leaves and become unhealthy.
- b. Trees are not affected by smoke.
- c. The trees might grow more leaves
- d. The trees might produce more fruits.

18. Ethan noticed his school's water fountain was overflowing and wasting water. What can Ethan do to help prevent water wastage?

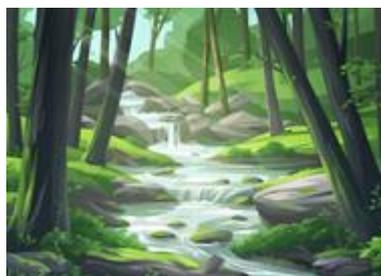


- a. Ask an adult to fix it
- b. Ignore the leaking fountain
- c. Add more water to the fountain to keep it running
- d. Tell his friends about the leak and play near the fountain

19. Which of the following helps us get the water which is underground?



20. You discover a beautiful spring bubbling up in the forest. The water looks crystal clear and refreshing. Would you drink it?



- a. Yes, because it looks clean and refreshing.
- b. Yes, because it does not have mud in it.
- c. No, because it might not be safe, even if it looks clear.
- d. No, because it might taste different.

21. Emily's family likes to cook multiple dishes for dinner.
What's an energy-saving method for Emily's family while cooking?



Using a microwave for every dish.



Keep all burners on for quick cooking.



Use lids on pots and pans



Prepare meals using an open flame

22. A street sweeper notices a spilled ice cream cone on the sidewalk.
What would they do when they see this mess?



- a. Clean it up
b. Leave it as it is
c. Call someone else to clean it
d. The person who dropped it will clean it

23. Neil noticed that some parts of the beach where he used to play are now covered with water.
Why is this happening?



- a. Because of rising sea levels
b. Because of heavy rain
c. Because the sun is getting hotter
d. Because people are swimming more

24. Hannah is preparing a delicious vegetable stew for her family dinner. She wants to conserve energy while cooking on the stove. Which action would help her save the most energy?

- a. Constantly lifting the lid to check the food
b. Cooking without a lid on the pot
c. Using a transparent lid while cooking
d. Using the largest pot available

25. During a beach cleanup event, Mia and her friends noticed an alarming amount of trash washed ashore. They discussed the potential impact of this pollution on the marine environment.
What effect might the pollution observed by Mia and her friends have on marine ecosystems?
- Promoting healthy marine life due to new habitats formed by trash
 - No impact on marine ecosystems as they can adapt to any pollution
 - Disrupting marine habitats, harming wildlife, and affecting ecosystem balance
 - Enhancing biodiversity by introducing new species to the marine environment
26. Imagine building a community energy plant that burns plant material for electricity generation. Which biomass fuel source would be most sustainable?
- Burning old furniture and construction waste.
 - Deforestation of old-growth forests to create fuel wood.
 - Using crop residues like corn stalks or sugarcane bagasse.
 - Utilising wood from rare and protected tree species
27. Sara is learning about the environmental impact of food choices. Which food choice contributes less to environmental harm?



- Consuming locally grown seasonal produce.
 - Opting for imported fruits year-round.
 - Choosing fast food with excessive packaging.
 - Preferring processed foods with long shelf life.
28. You're at the supermarket with your parents. How can you make a conscious choice to reduce plastic pollution in your household?



- Choose products with colourful packaging to brighten your kitchen cabinets.
 - Opt for bottled water instead of using a reusable water bottle to stay hydrated.
 - Select fruits and vegetables wrapped in plastic rather than loose ones for convenience.
 - Look for products with minimal packaging or choose options in recyclable materials.
29. Richard's family goes camping in the mountains, but officials warn of increased wildfire risk due to dry conditions. What role do forests play in regulating the climate and reducing the risk of such events?
- Forests act as giant air purifiers, removing harmful pollutants from the atmosphere.
 - Trees help regulate rainfall patterns and prevent soil erosion, reducing flood risks.
 - The dense vegetation in forests absorbs carbon dioxide, a greenhouse gas, mitigating climate change and its effects like drought.

- a. Only 1
- b. Only 2
- c. Only 2 and 3
- d. All 1, 2 and 3 are ways in which forests contribute to a healthy and stable climate

30. What's a good habit to save energy when leaving a room?



Leaving everything as it is



Turning off lights and devices



Keeping the TV running



Leaving taps dripping

31. Maria went to the park with her family. She saw colourful bins there. What were the bins for?



- a. Sorting trash like paper and plastic.
- b. Keeping lost and found items.
- c. Collecting different types of leaves.
- d. Storing toys for kids to share.

32. Lucas is going to a park for a picnic. His family chose a carpool. What's a benefit of carpooling?

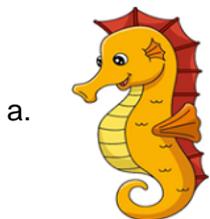


- a. Each person takes their own car
- b. Carpools help save gas and reduce pollution
- c. Carpooling is slower than walking
- d. Carpooling increases air pollution

33. Sarah wanted to be eco-friendly. She had many toys but didn't play with all of them. Which action would help Sarah practice the concept of reuse?



- a. Throwing away the toys she doesn't play with.
 - b. Keeping all toys in her room, even if she doesn't use them.
 - c. Donating toys she doesn't play with to other kids.
 - d. Buying new toys every week.
34. Sally spotted a creature with eight long tentacles, soft body, and ink-squirting ability. Which ocean creature did Sally most likely encounter?



Seahorse



Octopus



Crab



Dolphin

35. Sarah had a basket full of delicious fruits. She shared them with her friends at school. What does sharing food like fruits with friends teach us?



- a. Sharing makes fruits taste better
- b. Keeping fruits to oneself is better
- c. Eating fruits alone is healthier
- d. Sharing shows kindness and friendship

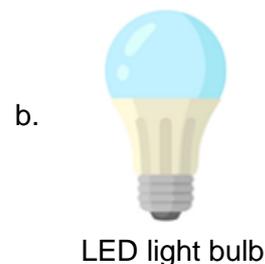
36. Eric saw many trees in a forest near his house were cut down.
What happens to the Earth's temperature when we cut down too many trees?



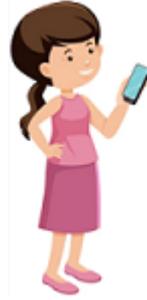
- a. The Earth becomes colder.
b. The Earth stays the same temperature.
c. The Earth becomes hotter.
d. The Earth gets more rain.
37. In a mountainous area, a community is planning watershed management to ensure a sustainable water supply.
What role do forests play in this initiative?



- a. Increase soil erosion
b. Act as water reservoirs
c. Decrease groundwater recharge
d. Enhance surface runoff
38. Jake explored the concept of energy efficiency in appliances. Which of the following appliances typically uses the least amount of energy?



39. Sarah's family loves eating fish. They want to make sure they are buying fish that are caught sustainably. Which of the following labels on a fish package would indicate the most eco-friendly fishing practices?
- a. "Wild-caught" label
b. "Certified Sustainable Seafood" label
c. "Farmed" label
d. "Dolphin-safe" label
40. While studying for her science test, Kathy takes frequent breaks to watch short videos on her phone. Which of the following actions would help Kathy use energy more responsibly?



- a. Keep the phone's brightness at maximum level to see the videos better.
b. Watch the videos on her laptop instead of her phone, as it has a bigger screen.
c. Unplug the phone charger when the phone is fully charged.
d. Continuously watch videos on her phone without breaks.

Green Challenger (Each Question is 6 Marks)

41. Yuki's family collects rainwater in a big barrel during the rainy season. They use it for various tasks around the house. What is something they should NOT use this collected rainwater for?



42. Emma was helping her mom in the kitchen. What's the best way for Emma to reduce the wastage of water while washing fruits and vegetables?



- Wash under a continuously running tap
 - Wash in a bowl and reuse the water for watering plants
 - Wash each piece separately under a running tap
 - Use a lot of soap and rinse them thoroughly
43. A village has no electricity. They build a windmill to use the wind's power. What will the windmill help them do?



- Grow more vegetables in the fields
 - Make it rain in the village
 - Light up the homes
 - Make the wind blow stronger
44. Match the travel scenario with the best energy-saving choice:

	Column I		Column II
1.	Going to a nearby store	a.	
2.	Visiting grandma in another cycle	b.	
3.	Going to school with friends	c.	

- 1 – a, 2 – b, 3 – c
 - 1 – a, 2 – c, 3 – b
 - 1 – c, 2 – a, 3 – b
 - 1 – b, 2 – a, 3 – c
45. Liam's school is organizing a "Clean Up Day" where students will pick up trash from the schoolyard and nearby park.
Why is it important to participate in "Clean Up Day"?
- It increases land pollution.
 - It helps keep the schoolyard and park clean.
 - It shows care about the environment.

- a. Only 1
- c. Only 2 and 3

- b. Only 2
- d. 1, 2 and 3

46. Sharing is caring. What are some things you can share with your friends and classmates to reduce waste?



Half-eaten donut



Plastic gift bags



Old books and pencils



Rotten fruits and vegetables

47. During a school project about the ocean, Alex found out that when people catch too many fish, it's called overfishing. Which of these animals is NOT affected by overfishing?



- a. Penguins that eat fish
- c. Shark that is carnivorous

- b. Octopuses that hunt for marine animals
- d. Parrotfish that eats coral

48. There is a field beside a huge factory on your way to the school. You notice that the cows always eat grass far from the factory and not close by. This could be because:

1. The grass close to the factory is unhealthy.
2. The air around the factory is polluted.



- a. Only 1
- c. Both 1 and 2

- b. Only 2
- d. Neither 1 nor 2

49. Emily and Jacob are making pizzas together:

1. Emily makes her own pizza and doesn't let Jacob have any.
2. They both contribute toppings to make a pizza that they both eat.
3. Jacob drinks soda without offering any to Emily.

Which of the following options is an example of sharing food?



- a. Only 1
- c. Only 3

- b. Only 2
- d. 1 and 2

50. Tommy learned that trees are like superheroes for the earth. They help prevent something that makes the planet too warm. What do trees help stop from getting too much?

- a. Rainfall
- c. Snowfall

- b. Pollution
- d. Sunshine

Answer Key

1.	b	2.	c	3.	d	4.	d	5.	d	6.	c	7.	c
8.	c	9.	a	10.	d	11.	b	12.	b	13.	c	14.	b
15.	c	16.	b	17.	a	18.	a	19.	b	20.	c	21.	c
22.	a	23.	a	24.	c	25.	c	26.	c	27.	a	28.	d
29.	d	30.	b	31.	a	32.	b	33.	c	34.	b	35.	d
36.	c	37.	b	38.	b	39.	b	40.	c	41.	a	42.	b
43.	c	44.	d	45.	c	46.	c	47.	d	48.	c	49.	b
50.	b												