

INTERNATIONAL ACADEMIC DECATHLON

2024

Total Questions: 50

Grade 7

Total Marks: 50

Time: 1hr

Set: A

| Question: 1 of 50 | QID: 546 | | Marks: 1 |
|---|--|--|---|
| Read the passage:- Human Activity and Earthquakes When Americans think of earthquakes, they tend to however, people in Arkansas, Colorado, Kansas, N increase in oil and gas drilling in these states has le wastewater is disposed of during gas and oil drilling fault lines (cracks in the Earth's crust) to shift. Accomapping project, "In the past five years, the USGS induced earthquakes." What is the main, or central, idea of the passage? | lew Mexico, Oklahoma, an ed to "human- induced" ea g, the water is forced deep ording to Mark Petersen, h | d Texas have been feeling the ground shake rearthquakes— those resulting from human active underground. The resulting buildup of pressuead of the U.S. Geological Survey's earthquak | more often. An ity. When are can cause se hazard |
| A. Residents of six U.S. states have experier increase in earthquake activity in recent y | _ | An increase in oil and gas drilling has caused corresponding increase in earthquakes in six | |
| Question: 2 of 50 | QID: 547 | | Marks: 1 |
| Read the source of the allusion:- In 1815, French emperor Napoleon suffered a devalue before he abdicated the throne. What is the meaning of the allusion in the sentence Last night's play- off in the semifinals proved to be | e below? | e of Waterloo, which would prove to be his fina | al battle |
| A a final defeat | ○ В. | a virtual tie | |
| Question: 3 of 50 | QID: 552 | | Marks: 1 |
| What kind of sentence is this? Caribou eat plants and grass in the summer and m A interrogative C. exclamatory | nushrooms and lichen in th | e winter. declarative | |

Page 1 of 15 Print ID: 2024101614036333

| Question: 4 of 50 | QID: 553 | | Marks: 1 |
|---|-----------------|--|-----------|
| What does the following sentence suggest? The movie Stand by Me, which was released in 1986, is a class a summer adventure in Castlerock, Oregon. | sic coming- of- | age story about four twelve- year- old boys who se | et out on |
| A There is more than one movie called Stand by Me. | О В. | There is only one movie called by Stand by Me. | |
| Question: 5 of 50 | QID: 554 | | Marks: 1 |
| Is the phrase in bold a direct object or an indirect object? Elise left the hotel staff a gracious thank- you note. | | | |
| A. direct object | О В. | indirect object | |
| Question: 6 of 50 | QID: 555 | | Marks: |
| Which is a complete sentence? | | | |
| A The interior designer styled our living room with new fashionable decor | О В. | Our ice hocket team mascot, a grizzly bear | |
| Question: 7 of 50 | QID: 622 | | Marks: |
| Which word is a synonym of hermit? | | | |
| A. loner | О В. | stoneman | |
| Question: 8 of 50 | QID: 623 | | Marks: |
| Complete the sentence with the correct homophone. In the large field just north of the ranch house, they | corn. | | |
| A sew C. so | О В. | SOW | |
| Question: 9 of 50 | QID: 616 | | Marks: |
| Complete the sentence so that it uses personification. As much as we might like to freeze time, it | | | |
| A cannot be stopped | ○ В. | marches on | |

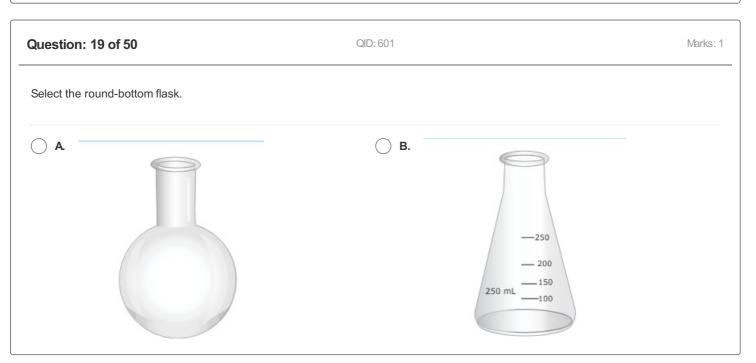
Page 2 of 15 Print ID: 2024101614036333

| Question: 10 of 50 | QID: 617 | Marks: 1 |
|--|-----------------|---|
| Which is a thesis statement? | | |
| A. Buying goods from local businesses is a great way to invest in the economy, find unique products, and but community relationships. | _ | What impact does buying goods and services from local businesses instead of large chain stores have on the community? |
| Question: 11 of 50 | QID: 576 | Marks: 1 |
| Cellular respiration involves many chemical reactions. When a the process with a single chemical equation. This equation shows for example, cellular respiration often uses a sugar called gluby the following chemical equation: | ows only the ke | ey reactants and products. |
| glucose + oxygen → carbon dioxide + water Glucose, like other sugar molecules, often serves as an energon chemical reactions with oxygen gas. This process produces can which of the following substances is a key reactant of this process. | arbon dioxide (| |
| A. glucose | О В. | water |
| C. carbondioxide | | |
| Question: 12 of 50 Chelonoidis nigra is a member of the animal kingdom. Chelonoidis nigra is commonly called a Galápagos giant t Spanish sailors arrived at these islands in the 1530s, ab Spanish sailors named the islands after a Spanish word | out 200,000 | Galápagos giant tortoises lived on the islands. The |
| Is Chelonoidis nigra made up of one cell? | | |
| A yes | О В. | no |
| Question: 13 of 50 | QID: 582 | Marks: 1 |
| Select the chemical formula for this molecule. | | |
| H S | | |
| \bigcirc A HS ₂ | О В. | HS |
| ○ c . H ₂ s | O D. | H ₂ S ₂ |

Page 3 of 15 Print ID: 2024101614036333

| Question: 14 of 50 | QID: 583 | Marks: 1 |
|---|---|---|
| Select the chemical formula for this molecule | ÷. | |
| H F | | |
| A HFC. H₂F | O B. FH | 1 |
| Question: 15 of 50 | QID: 588 | Marks: 1 |
| For 3.8 minutes,a horse ran toward a barn a | it 150 meters per minute. | |
| A. 580mC. 600m | □ B. 57□ D. 40 | 70m Om |
| Question: 16 of 50 | QID: 589 | Marks: 1 |
| A boy is turning to the left as he rides a merr Which statement describes the boy's motion | | |
| A. The boy is accelerating. | O B. Th | ne boy has a constant velocity. |
| Question: 17 of 50 | QID: 595 | Marks: 1 |
| at this plate boundary can cause earthqu | uakes and devastating tsunamis. <i>A</i> an earthquake. In December 2004 urrounding the Indian Ocean. | lian Plate collided with the Sunda Plate. Movement A tsunami is a series of giant waves that may form 04, an earthquake and the resulting tsunami |
| A. convergent C. transform | O B. div | vergent |

Page 4 of 15 Print ID: 2024101614036333



The passage below describes an experiment. Read the passage and think about the variables that are described.

Alana's brother thought that crushed ice would keep his soda cooler than whole ice cubes.

To test this idea, Alana divided a large bottle of soda equally among six glasses. Alana added five whole ice cubes to each of the first three glasses while her brother crushed five ice cubes into small pieces before adding them to each of the other three glasses. Ten minutes after all the ice had been added to the glasses, Alana used a thermometer to measure the temperature of the soda in each glass.

Which of the following was an independent variable in this experiment?

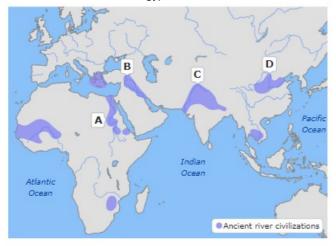
Hint: An independent variable is a variable whose effect you are investigating. A dependent variable is a variable that you measure.

Page 5 of 15 Print ID: 2024101614036333

Ancient Egypt was one of the first civilizations.

Civilizations are complex societies with organized communities and governments. Many of the first civilizations started around big rivers. Look at the map of early river civilizations. Then answer the question below.

Which letter marks ancient Egypt?



C. C

B. B

D. D

Question: 22 of 50 QID: 1717 Marks: 1

Egypt's geography was helpful for starting a civilization. Look at the map of Egypt. Then follow the instructions below.



Name a body of water east of Egypt that allowed ancient Egyptians to trade with Asia

the Red Sea

B. the Mediterranean Sea

C. the Nile River

D. the Sahara Desert

Print ID: 2024101614036333

World War I began in Europe in 1914. The map below shows the two main opponents in the war: the Central powers and the Allied powers. Look at the map. Then answer the question below.

which of them is central power?



A. Great Britain

B. France

🔵 **C**. Russia

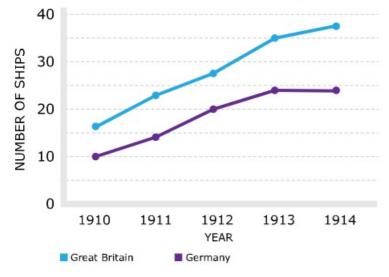
D. Germany

Question: 24 of 50 QID: 1637 Marks: 1

The graph below shows the number of battleships in the German and British navies in the years before World War I. Look at the graph. Then answer the question.

What information does this graph reveal about Germany and Great Britain before World War I?

German and British battleships



A. Before the war started, Germany and Great Britain had the same number of battleships. **B.** Great Britain did not have enough money to build as many battleships as Germany.

C. Both Germany and Great Britain increased the size of their navies before the war.

D. Germany and Great Britain had more battleships in 1911 than they did in 1913.

Page 7 of 15 Print ID: 2024101614036333

Nationalism, or the pride people feel about their own country or ethnic group, was one of the causes of World War I. The passage below gives an example of how nationalism led to war. Read the passage. Then answer the question. In 1908, Austria- Hungary took control of territories known as Bosnia and Herzegovina. Many people in these territories and the nearby country of Serbia were angry. They believed Bosnia and Herzegovina should be controlled by Slavic people, or members of an ethnic group that spoke Slavic languages such as Serbian or Russian. Many nationalist groups formed hoping to free Bosnia and Herzegovina from foreign rule. Young Bosnia was one of these groups. One of its members was Gavrillo Princip, a 19-year-old from a Serbian family. On June 28, 1914, while Archduke Francis Ferdinand of Austria-Hungary was visiting Bosnia, Princip shot and killed both the archduke and his wife. The royal couple's murder infuriated Austria- Hungary. With Germany's support, Austria- Hungary declared war on Serbia. This assasination proved to be a nationalistic "spark" that helped to ignited the flames of war across Europe. Complete the text. This story illustrates the complex role nationalism played in pre-World War I Europe. Slavic groups like influenced by nationalism. They hated the idea of a foreign power ruling over the Slavic populations in Bosnia and Herzegovina so they plotted to assassinate the Archduke of Serbian nationalists...Russia B. Young Bosnia...Austria- Hungary C. Balkan imperialists...Serbia D. Russian nationalists...Great Britain

| Question: 26 | of 50 | ND: 1428 | | Marks: 1 |
|--------------|---|----------|--|----------|
| question. | e of the most powerful independent city-states in an following statements describes living in an independ | | | |
| \sim | e decisions about my city are made by a way emperor. | О В. | I live by myself in the wilderness. | |
| C. I vote | e for a president that rules over many different cities | s. O D. | My city rules itself and is not part of a larger count | ry. |

Page 8 of 15 Print ID: 2024101614036333 Athens is a city in Greece, which is located on a peninsula in southern Europe. The map below shows Athens and its surrounding region in about 500 BCE. Look at the map. Then complete the text below.



Complete the text.

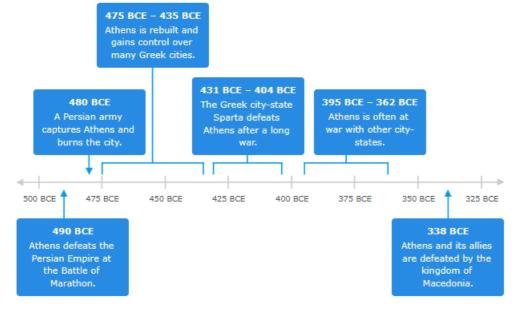
Athens was a major trading city along the coast of the _____Sea. Athens's closest neighbor was _____.

- A. Ionian . . . the Persian Empire
 - C. Aegean . . . the Persian Empire

- **B.** Aegean . . . another Greek city- state
- D. Ionian . . . another Greek city- state

Question: 28 of 50 QID: 1438 Marks: 1

Historians use the term "classical Athens" to describe Athens between the years 510 and 322 BCE. The timeline below provides information about Athens's relationships with its neighbors. Look at the timeline. Then answer the question below.



Based on the timeline, what was true about classical Athens?

- **A.** Classical Athens lost every single one of its battles.
- B. Classical Athens was usually at peace.
- C. Classical Athens was friendly with the Persian Empire.
- **D.** Classical Athens was frequently at war with other citystates.

Page 9 of 15 Print ID: 2024101614036333

| Question: 29 of 50 | ID: 1416 | Marks: 1 |
|--|------------|---|
| In the following questions, you will learn about economics. Economics is the study of decisions people make to meet needs a Needs are things that you must have to live or stay healthy and sa Below are some decisions that Layla has made today. Each one is What is need for Layla among them? | afe. Wants | |
| A Layla goes to work so she can make money to pay for her house. | О В. | Layla watches an episode of her favorite TV show. |
| C. Layla wants to buy a car. | D . | Layla cancels plans for next week so she can go on a vacation. |
| Question: 30 of 50 | ID: 1417 | Marks: 1 |
| Avery's family is deciding whether to move to a house on Hillcrest I the house on that street is smaller and more expensive. Suppose they decide to move to the house on Hillcrest Road. Choose the benefits among them. | Road or M | ain Avenue. They really want to live on Hillcrest Road. But |
| A They will get to live on Hillcrest Road. They really like that street. | ○ В. | They will spend more money each month to live in the house on Hillcrest Road than the one on Main Avenue. They could have saved this money. |
| C. They won't get to live on Main Avenue. They would have liked living on that street a little bit. | D. | They will give up some space. They might need a house with more space in the future if their family grows. |
| Question: 31 of 50 | ID: 1802 | Marks: 1 |
| Which country hosted the 2022 Winter Olympics? | | |
| A China | ○ В. | Canada |
| C. Russia | O D. | Norway |

Page 10 of 15 Print ID: 2024101614036333

| Marks: 1 |
|----------------|
| Marks: 1 |
| Marks: 1 |
| Marks: 1 |
| |
| |
| |
| |
| Marks: 1 |
| |
| dministration) |
| on) |
| Marks: 1 |
| |
| |
| |
| Marks: 1 |
| |
| |
| |
| |

Page 11 of 15 Print ID: 2024101614036333

| Question: 37 of 50 | QID: 1835 | | Marks: 1 |
|--|-------------------------------|--|----------|
| Which country was the first to implement a carbon | ı tax to combat climate cha | ange? | |
| A. United States | ○ В. | Sweden | |
| C. Canada | | France | |
| Question: 38 of 50 | QID: 1834 | | Marks: 1 |
| Which animal is a symbol of the endangered spec | cies crisis due to habitat lo | ss? | |
| A. Elephant | ○ B. | Polar bear | |
| C. Kangaroo | | Rhino | |
| Question: 39 of 50 | QID: 1843 | | Marks: 1 |
| Which organization is responsible for promoting in | nternational cooperation in | matters of global peace and security? | |
| A European Union | ○ В. | United Nations | |
| C. World Bank | ○ D. | NATO | |
| Question: 40 of 50 | QID: 1844 | | Marks: 1 |
| Which organization is tasked with providing finance | cial assistance to developir | ng countries for economic development? | |
| A. World Health Organization | ○ В. | International Monetary Fund | |
| C. World Bank | ○ D. | United Nations Development Programme | |
| Question: 41 of 50 | QID: 1590 | | Marks: 1 |
| If $x = 3$ and $y = -2$, what is the value of $2x - 3y + 5$ | ? | | |
| ○ A 3 | ○ В. | 17 | |
| C. 19 | ○ D. | 7 | |

Page 12 of 15 Print ID: 2024101614036333

| Question: 42 of 50 | QID: 1591 | Marks: 1 |
|------------------------------------|--|--------------------|
| Evaluate the expression 4a - b wh | en a = 6 and b = 3: | |
| A 15 | ◯ B . 21 | |
| C. 12 | D. 18 | |
| Question: 43 of 50 | QID: 1599 | Marks: ´ |
| Of the students in Noah's grade, § | like to eat broccoli. 6 students like to eat spinach. 5 students like to eat both broc | ccoli and spinach. |
| | I like to eat broccoli I like to eat spina | ach |
| ⊣ow many students like to eat spir | each but not broccoli? | |
| A 3 | ○ B. 5 | |
| C. 2 | O. 1 | |
| Question: 44 of 50 | QID: 1600 | Marks: |
| | ave been to New York. 6 students have been to Minnesota, and 3 students have udents have been to Minnesota but not New York? I have been to Minnesota | been to both New |

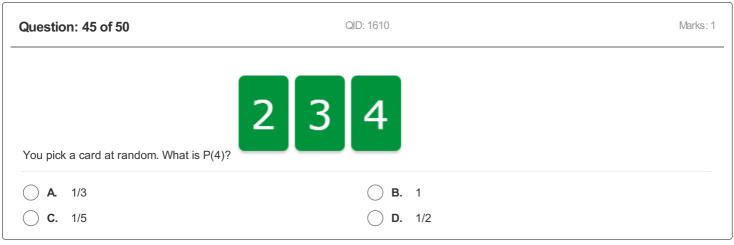
Page 13 of 15 Print ID: 2024101614036333

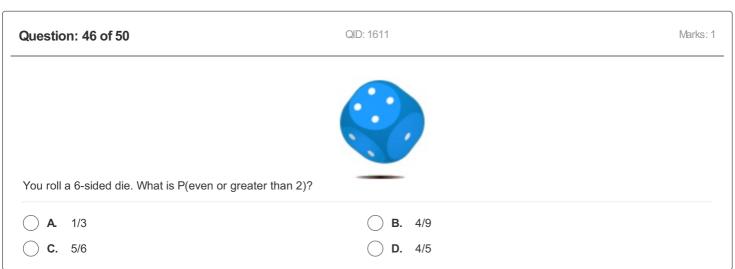
B. 3

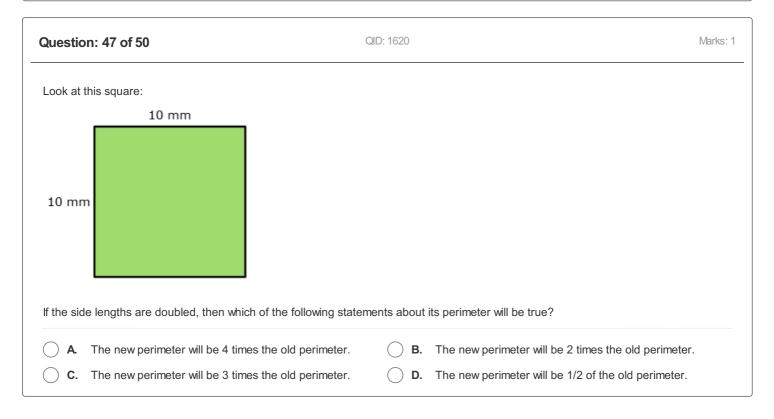
O. 7

○ A 4

O. 6







Page 14 of 15 Print ID: 2024101614036333

--- END OF QUESTION PAPER ---

 $\bigcirc \quad \mathbf{D}. \quad \mathbf{x} = 2$

 \bigcirc **C.** x = 4