

**Class 10 - English Language and Literature
Case Study Passage Test 02**

1. Read the text carefully and answer the questions:

1. Millions of tons of small waste from plastic bags, bottles and clothes in the world's ocean present a serious threat to human health and marine environment. This is a warning issued by the U.N. in a report on the most dangerous environmental problem facing the world today. Global plastic production has increased considerably in years nearly by 38%.
2. A poor waste management means when we have finished with our takeaways contains cigarette butts and party balloons, they are worn down into trillions of even small particles by the waves. Therefore, there is a growing presence of these micro plastic the world's oceans.
3. It was estimated in 2010 that millions of tons of plastic was washed into the sea since shown up in the stomachs of whales, plankton and other marine life. Richard Thompson, professor of marine biology said that in laboratory experiments the proof that micro plastic can cause harm to organisms.
4. More than a quarter of all fish now contained plastic, according to a recent study which analysed the guts of fish sold in California. Scientists fear that chemical pollutants also chemicals which attach themselves to plastic in natural environment could cause poisoning and many disorders in marine life if consumed in huge quantities.
5. Even humans could be adversely affected by the plastic. People could even be breathing in plastic micro-particles suspended in the air with the risk of harmful effect on the lungs similar to air fumes.
6. Volunteers around the world collect trash and tally up what they find on the beach in Ocean's Conservancy's Annual International Coastal Cleanup. The result item-by-item, location-by-location Ocean Trash Index provides the only snapshot of marine debris littering coasts and waterways around the world, according to

Ocean Conservancy.



7. Boyance Slat, a Dutch student has developed a technology that could sift dangerous plastic particle out of the ocean and sell them for profit or re-cycling. Richard Thompson recommended that people avoid using products with micro beads and to make sure they dispose of all plastic products in a appropriate way by, if possible.
8. Select the option that is true for the two statements given below.
- More than a quarter of all fish now have plastics present in them.
 - Millions of tons of plastic waste is present in the world's oceans.
- (1) is the result of (2)
 - (1) is the reason for (2)
 - Both (1) and (2) are true
 - (1) contradicts (2)
9. According to the passage, Richard Thompson is a _____.
10. _____ provides the only snapshot of marine debris littering coasts and waterways.
11. Through what does the cigarette butts and party balloons worn down into smaller particles?
12. We can find out that more than a quarter of all fish contained plastics in them by:
- the stark warning issued by the UN in a report on the most dangerous environmental problems facing the world today.
 - collecting trash and tallying up what they find each day.
 - laboratory experiments performed by Richard Thompson a profession marine biology.
 - analysing the fish sold in California.
13. Choose the correct set of statement which is NOT TRUE.
- Plastic could have similar effects like car fumes.

(II) Chemicals which attach themselves to plastic in natural environment could cause poisoning in marine life.

(III) Humans will never be adversely affected by the plastic.

(IV) In 2001, Millions of tons of plastic was washed into the sea.

(V) There is a growing presence of micro plastics in the world's oceans.

a. (II), (V)

b. (I), (V)

c. (I), (II)

d. (III), (IV)

14. What amount of paper bags in the index are diffused into the oceans?

15. Fill in the blank with with the correct option.

There are _____ beverage cans found in the index.

a. 337,865

b. 339,875

c. 339,445

d. 333,347

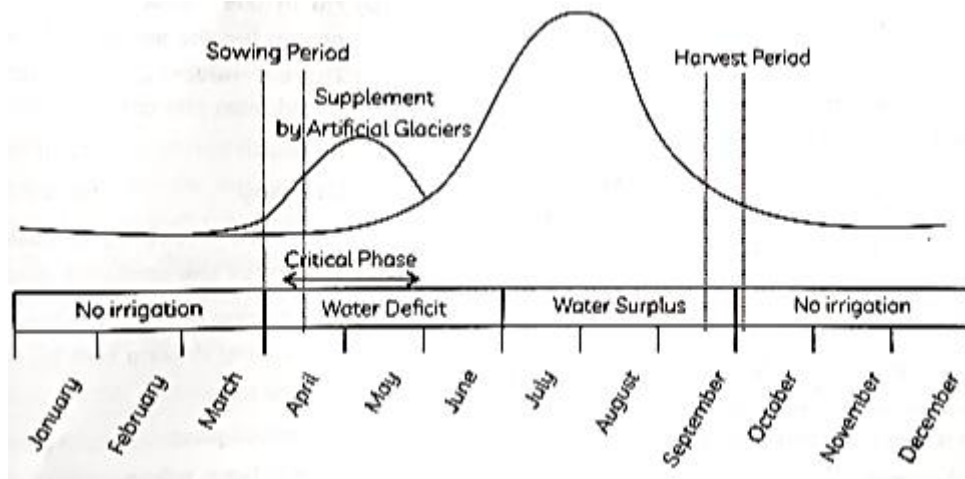
16. Richard Thompson has recommended to use product that has no micro-beads of plastic into them. True/False.

17. How can the technology developed by Beyonce Slat help to curb the plastic issue?

2. Read the text carefully and answer the questions:

1. Ladakh has always experienced seasonal water scarcity according to Morous November a co-author of the study. Nusser cold Glacier. Hub. Water scarcity issues are frequent and annual phenomena in Ladakh because of the complete dependence on irrigated agriculture from meltwater, especially from the glaciers. Since the glaciers reside at a much higher altitude than the villages, the meltwater from these water sources comes quite late in the year. And so there's a regular problem of severe water scarcity every year in those months when sowing of the cultivated plants starts that is in earth springs.
2. Climate change has increased water shortages in mountains region-worldwide Artificial glaciers help to alleviate seasonal Water shortages by storing meltwater from winter months in ice structures at an altitude lower than the natural glaciers and higher than the cultivated fields. There are several types of artificial glaciers. Due to their lower altitude, these stores of ice melt earlier than the natural glaciers. providing irrigation just in time for the start of the agricultural season.
3. Constructed ice reservoirs, along with water management systems have long been in Ladakh's technological repertoire. According to Nusser's chapter on Ethnic and Cultural Dimensions of Knowledge. Ladakh has a long history of water harvesting and community management of water resources. This history includes tanks for storing meltwater colled zings as well as an official called Chudpon who ensures equitable distribution of water. The Regional Environmental changes study further mentions the tradition of "snow harvesting" which involves building small barrier walls.
4. Since then, four types of modern ice reservoirs have been developed, as identified by Nusser and his co-authors. Bosin structures stores ice similarly to how traditional zings store water. While zings are generally built around the same level as fields basins for ice storage are located at altitudes higher than cultivated fields, so that water can freeze. The advantage of ice basins over zings, and the advantage of ice reservoirs over water reservoirs, is that

evaporation is minimized and so, more water is retained.



5. Select the option that is true for the two statements given below.
- (1) Ladakh has always experienced water scarcity.
 - (2) Climate change has increased water shortages in mountain-region worldwide.
- a. (1) is the result of (2)
 - b. (1) is the reason for (2)
 - c. Both (1) and (2) are true
 - d. (1) contradicts (2)
6. What has increased water shortages in mountain regions worldwide?
7. Why are the basins for ice-storage located at altitudes higher than the cultivated fields?
8. 'Zings are generally built around the same level as.' Choose the correct option.
- (1) fields
 - (2) roads
 - (3) canals
 - (4) underground water
 - (5) wells
- a. 1, 3, 5
 - b. 3 and 5
 - c. 2 and 4
 - d. only 1
9. Zings are generally built to retain the ice. The underlined phrase means to _____ the ice.
10. _____ has always been experienced by Ladakh.
11. The amount of water in the months of _____ is in surplus.
12. There is no irrigation in the month of February as per the given chart. (True/false)
13. Artificial glaciers help to:
- a. manage water systems
 - b. alleviate seasonal water shortages
 - c. irrigate agriculture from meltwater
 - d. build small barrier walls
14. What does Ladakh use as a technological repertoire?

Solution

1.
 - i. (a) (1) is the result of (2)
It is clearly given in passages that due to the plastic waste amalgamating in the waters of the oceans, the marine life is risked and contaminated with micro-plastics in them. Hence, (a) is the right answer.
 - ii. Professor in marine biology
 - iii. Ocean Trash Index
 - iv. Waves
 - v. (d) analysing the fish sold in California.
 - vi. (d) (III), (IV)
 - vii. 298,332
 - viii. (b) 339,875
 - ix. True
 - x. Beyonce Slat has developed a technology that can shift the dangerous plastic particles out of the ocean and recycle it.
2.
 - i. Both the statements are true as per the passage. Hence, (c) is the right answer.
 - ii. Climate change
 - iii. To save ice from melting
 - iv. (d) only 1
 - v. hold
 - vi. Seasonal water scarcity
 - vii. July to September
 - viii. True
 - ix. alleviate seasonal water shortages.
 - x. Constructed ice reservoirs