

**Read the passage. Then answer the questions below.**

Countries of the world rely heavily on petroleum, coal and natural gas for their energy sources. There are two major types of energy sources: renewable and non-renewable. Hydrocarbon or fossil fuels are non-renewable sources of energy. Reliance on them poses real big problems. First, fossil fuels such as oil, coal, gas etc. are finite energy resources and the world eventually will run out of them. Secondly, they will become too expensive in the coming decades and too damaging for the environment to repair. Thirdly, fossil fuels have direct polluting impacts on earth's environment causing global warming. In contrast, renewable energy sources such as wind and solar energy are constantly and naturally replenished and never run out.

Most renewable energy comes either directly or indirectly from the sun. Sunlight or *solar energy* can be used for heating and lighting homes, for generating electricity and for other commercial and industrial uses.

The sun's heat drives the wind and this wind energy can be captured with wind turbines to produce electricity. Then the wind and the sun's heat cause water to evaporate. When this water vapor turns into rain or snow and flows downhill into rivers or streams, its energy can be captured as *hydroelectric energy*.

Along with the rain and snow, sunlight causes plants to grow. Plants produce biomass which again can be turned into fuels such as firewood, alcohol etc identified as *bio-energy*.

Scientists have identified Hydrogen as another form of renewable energy source. It is the most abundant element in nature. But it does not exist separately as a gas. It is always combined with other elements, such as with oxygen to make water. *Hydrogen*, separated from another element can be burnt as a fuel to produce electricity.

Our earth's interior contains molten lava with tremendous heat. This heat inside the earth produces steam and hot water which can be tapped as *geothermal energy* to produce electricity, for heating home etc.

*Ocean energy* comes from several sources. Ocean's force of tide and wave can be used to produce energy. The surface of the ocean gets more heat from the sun than the ocean depths. This temperature difference can be used as energy source too.

**1. Choose the correct answer from the alternatives**

**1×7=7**

a) The word decade refers to--

- |                             |                                       |
|-----------------------------|---------------------------------------|
| <i>i)</i> after 10 years    | <i>iii)</i> the period of ten years   |
| <i>ii)</i> before ten years | <i>iv)</i> the period of twelve years |

b) Consumption of fossil fuels--

- i)* is favourable for our happy life in the world
- ii)* is causing irreparable damage to our environment
- iii)* does not create any problem for us
- iv)* is not likely to lead us towards a crisis

c) Which of the following best describes the dissimilarity between the renewable energy source and the non-renewable energy source--

- i)* Renewable energy sources are finite as well as harmful to our environment unlike nonrenewable energy sources.
- ii)* Non-renewable energy sources are infinite while renewable energy are finite
- iii)* Non-renewable sources have no negative effects on our environment whereas renewable energy sources harm our environment greatly.
- iv)* Non-renewable energy sources are fixed in amount and greatly destructive to our environment whereas renewable energy sources are infinite and not harmful to our environment.

d) The word 'replenish' refers to--

- |                    |                      |
|--------------------|----------------------|
| <i>i)</i> omit     | <i>iii)</i> combined |
| <i>ii)</i> fill up | <i>iv)</i> separate  |

- e) Which of the following statement(s) is/are true about the semi-liquid lava inside earth?
- i) It is extremely hot
  - ii) It is not so much hot
  - iii) It is severely cold
  - iv) It retains no power

- f) "Fossil fuels have direct polluting impacts on earth's environment causing global warming."  
What does the sentence mean? –
- i) Fossil fuels creating heat made the earth's environment hot.
  - ii) Fossil fuels being burnt produce oxygen and thus pollute the environment.
  - iii) Fossil fuels being burnt produce carbon dioxide and thus pollute the environment as well as increase the world temperature.
  - iv) Fossil fuels produce nitrogen which pollute the environment and increase the world temperature.
- g) What is the main purpose of the author of this passage--
- i) To put up the positive things of non-renewable energy sources
  - ii) To show the destructive aspects of renewable energy sources
  - iii) To put up the best aspects of using renewable energy sources in contrast with non-renewable energy sources
  - iv) To present various renewable and nonrenewable energy sources

**2. Answer the following questions.**

**2×5=10**

- a) Ocean energy comes from several sources-What are they and how can it be used?
- b) "Most renewable energy comes either directly or indirectly from the sun," what does the writer want to mean by this sentence? Explain in 2/3 sentences.
- c) What does the Earth's interior contain and produce?
- d) Describe the positive aspects of renewable energy sources.
- e) Do you support the idea that we should utilize the renewable energy sources as alternative to fossil fuels? Why/why not? Explain in 2/3 sentences.

**3. Read the following passage carefully and fill in each gap with a suitable word based on the information of the text.**

**1×5=5**

On a weekly bazar day, people were coming back with their shopping bags and baskets in hands, on shoulders and heads. They had to cross the river. There was a ferry boat plying on the river. the boat could cross it in 8-10 minutes. It was just after the sunset. The weather was getting worse. The wind started blowing from the north-west. Black clouds were moving fast into the sky.

Everybody was trying to get into the boat. "No more, no more, please wait," shouted the boatman. But nobody listened to him.

With too many people on board, the boat sank in the middle of the river.

It was not a fatal accident. All the passengers swam to the other side. But some of them lost their things such as oil, salt and milk.

On a weekly bazar day, people came to do a lot of a) \_\_\_\_\_. On such a day they wanted to b) \_\_\_\_\_ a river in a boat. But the weather became c) \_\_\_\_\_ and the sky was filled with black clouds. The boatman warned the people not to d) \_\_\_\_\_ the boat but they did not listen to him. As a result, the boat e) \_\_\_\_\_ in the middle of the river.

**4. Read the following passage carefully and complete the table below with information from the passage. 1×5=5**

Sher-E-Bangla is one of the most popular leaders of Bangladesh. He was born in 1873 at Chakhar in Barisal. His father Mohammad Wazed Ali was a famous lawyer. He passed the Entrance Examination and went to Calcutta for higher studies. At the age of 22 he passed the M.A and was placed in the first division. After two years, he obtained B.L. degree with distinction and joined the Bar. At the age of 33, he was opinion with govt. In 1913, he became the member of Bengal Council. In 1915, he was made General Secretary of Indian Congress. In the same year he was made President of All India Muslim League. He was the Chief Minister of Bengal. In 1924, he established many educational institutions in

Bengal as an Education Minister. He was the Mayor of Calcutta Corporation in 1935-36. In 1937, he was the first elected Prime Minister of Bengal. On 23<sup>rd</sup>

March 1940 he proposed his historical Pakistan resolution in Lahore Conference of Muslim League. He led the united front in the general election of East Pakistan until 1958. He died at the age of 89. People of Bangladesh remember him with gratitude.

Year	Event	Place
(i).....	Sher-E-Bangla obtained M.A. degree	
1915	He took part in an election	(ii).....
1940	(iii).....	Lahore Conference
(iv).....	He obtained B.L. degree	
(v).....	He died	

5. Write a summary of the passage in no more than 45-50 words. 10

6. Match the parts of sentences given in column A, B and C to write five complete sentences. 1×5=5

Column A	Column B	Column C
1. Nowadays we are very much familiar	i) in our national life as well as find border tension and	a) when he is in the grip of mental strain of excitement
2. A person may be said to	ii) all of us should try to get free	b) causes many serious problems including fatal heart disease.
3. This is a state of continuous anxiety	iii) with the word tension which means	c) from any kind of tension by all means.
4. Apart from personal tension, we may suffer from tensions of social, political or commercial nature	iv) which eat into his inner strength and	d) a disturbed state of mind.
5. Whatever may be the nature or form of tension	v) have been suffering from tension	e) cold war in the international world

7. Rearrange the following sentences in correct order to rewrite the whole story. 8

- a) When asked, the youngest daughter said, "Nothing."
- b) But first he wanted to know how much they loved him.
- c) Being pleased, Lear gave each of them a third of his kingdom.
- d) His eldest daughter declared, "Sir, I love you more than I can say."
- e) Long ago, there was a mighty old king of England named Lear who wanted to divide his kingdom among his three daughters.
- f) At first Lear asked his eldest daughter, "How much do you love me?"
- g) When asked, his second daughter said, "My love for you shall never change."
- h) Lear was shocked and said, "Nothing will come of nothing."