



BOOKS



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Directions (1-10): In the passage given below there are blanks which are numbered from 1 to 10. They are to be filled with the options given below the passage against each of the respective numbers. Find out the appropriate word in each case which can most suitably complete the sentence without altering its meaning.

It is no surprise that the International Energy Agency found that India's carbon emissions grew by 4.8% during 2018, in spite of the national -----1----- on climate change in energy policy. There is wide recognition of the fact that Indians are not historically responsible for the problem, and it is the rich nations led by the U.S. that have -----2----- in the stock of carbon dioxide linked to extreme climate impacts being witnessed around the globe. As the IEA points out, India's emissions have grown, but per capita remains less than 40% of the global average. Equity among nations is therefore at the centre of the discussion on energy emissions, and the principle of common but -----3----- responsibilities is central to the UN Framework Convention on Climate Change (UNFCCC). Reassuring as this may be, the universal challenge of climate change has grown to such -----4----- that urgent action to sharply cut carbon emissions is crucial, and all countries, including India, must act quickly. Intensive measures in key sectors — scaling up renewables to raise their share in the energy mix, greening transport, updating building codes and -----5----- energy efficiency — will help meet the national pledge under the Paris Agreement to cut energy intensity of GDP by 33-35% by 2030, over 2005 levels.

At the global level, renewable sources of energy grew by 7% during 2018, but that pace is -----6----- insufficient, considering the rise in demand. Moreover, it was China and Europe that contributed the bulk of those savings, in large measure from solar and wind power, indicating that India needs to ramp up its capacity in this area. In fact, as the founder of the International Solar Alliance, India should -----7----- the renewables effort. Yet, in spite of falling prices and rising efficiency, the potential of rooftop solar photovoltaics remains poorly utilised. It is time State power utilities are made responsible for defined rates of growth in the -----8----- of rooftop systems. A second priority area is the cleaning up of coal power plants, some of which are young and have decades of use ahead. This process should be aided by the UNFCCC, which can help transfer the best technologies for carbon capture, use and storage, and provide financial linkage from the \$100 billion annual climate fund proposed for 2020. India's record in promoting green transport has been uninspiring, and -----9----- from fossil fuels and the resulting pollution are rising rapidly. The Centre's plan to expand electric mobility through financial incentives for buses, taxis and two-wheelers needs to be pursued vigorously, especially in the large cities. Inevitably, India will have to raise its ambition on emissions reduction, and participate in the global stocktaking of country-level action in 2023. It has the rare opportunity to choose green growth, -----10----- fossil fuels for future energy pathways and infrastructure.

Q1.

- (a) focused
- (b) focus
- (c) intentions
- (d) goals
- (e) None of the above



Q2.

- (a) pumped
- (b) boosting
- (c) pumps
- (d) rise
- (e) None of the above

Q3.

- (a) differences
- (b) differentiation
- (c) integration
- (d) differentiated
- (e) None of the above

Q4.

- (a) assuring
- (b) proportions
- (c) proportional
- (d) measuring
- (e) None of the above

Q5.

- (a) risen
- (b) growth
- (c) raising
- (d) raised
- (e) None of the above

Q6.

- (a) gross
- (b) grossly
- (c) fragile
- (d) meagre
- (e) None of the above

Q7.

- (a) lead
- (b) leading
- (c) leads
- (d) guiding
- (e) None of the above



Q8.

- (a) fits
- (b) installation
- (c) installs
- (d) fitting
- (e) None of the above

Q9.

- (a) emissions
- (b) realisation
- (c) releases
- (d) emission
- (e) None of the above

Q10.

- (a) stopped
- (b) shunned
- (c) shun
- (d) shunning
- (e) None of the above

Directions (11-17)- Read the following passage and answer the questions as directed.

Increased warming in the Indian Ocean and the resultant weakening of the Indian summer monsoon may come in the way of India's goal of leading the world's wind power generation. Analysing the available wind and atmospheric data from 1980-2016, researchers from Harvard University, U.S., and National Climate Center in Beijing, China, found the potential electricity production of windmills across India had decreased by about 13%. And this trend might continue. However, researchers in India have raised doubts about the results of the study. "The data used by the team does not *correlate* with the live data we have. We have started additional studies to validate these results and will publish the findings soon," says Dr. K. Balaraman, Director General, National Institute of Wind Energy, Chennai, under the Government's Ministry of New and Renewable Energy. In the paper published last December in Science Advances, the researchers showed a decline in electricity production in the States of Rajasthan, Maharashtra, Gujarat, and Karnataka. **(A) Not significant decline was seen in Tamil Nadu, which is located on the east coast and, thus, had different wind conditions during summer.**

"The government could concentrate on setting up more projects in this region [Tamil Nadu] as the lifetime of wind turbines is 20 to 30 years. We need to look at long-term goals," says Meng Gao, a postdoctoral fellow at the School of Engineering and Applied Sciences, Harvard University and the first author of the study. The researchers showed that 63% of the annual production of electricity from wind is **(B)** ----- by winds in spring (March-May) and summer (June-August). Interestingly, they found a decrease in wind power during these months. This could be due to the weakening of the Indian summer monsoon during this period.

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Summer winds in India are driven by the temperature contrast between the Indian subcontinent and the Indian Ocean, and the warming in the Indian Ocean reduced this contrast. Also, warming of the Equatorial Indian Ocean resulted in a decline in the wind speed. The Indian government has set a target of 60 GW of *cumulative* wind power capacity by 2022. The researchers say that this goal can be (C)-
----- only if planners in India take these historical reconstructions into account while setting up wind power installations in the future. “Our findings can provide suggestions on where to build more wind turbines to minimise the influences of climate change,” said Prof. Michael B. McElroy, from the School of Engineering and Applied Sciences, Harvard University and senior author of the study in a release.

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Q11. According to the passage given above, what might come in India’s goal of leading the world’s wind power generation?

- (a) Increased warming in the Indian Ocean
- (b) Sea weeds
- (c) The resultant weakening of the Indian summer monsoon
- (d) Both (a) and (c)
- (e) All (a), (b) and (c)

Q12. In the passage given, a sentence (A) is given in ITALICS. There may or may not be an error in one part of the sentence. Choose the part which has an error in it as your answer. If there is no error then choose option (e) as your answer.

- (a) Not significant decline was seen in
- (b) Tamil Nadu, which is located on the
- (c) east coast and, thus, had different
- (d) wind conditions during summer.
- (e) No error

Q13. Which of the following words should fill the blank given in (B) to make it contextually correct and meaningful?

- (a) distribute
- (b) contributed
- (c) contribute
- (d) give
- (e) None of the above

Q14. According to the passage given above how are summer winds driven in India?

- (a) They are driven by the temperature contrast between the Indian subcontinent and the Arabian Sea
- (b) They are driven by the temperature contrast between the Indian subcontinent and the Bay of Bengal
- (c) They are driven by the temperature contrast between the Indian subcontinent and the Indian Ocean
- (d) All of the above
- (e) None of the above

Q15. Which of the following is SIMILAR in meaning to the word CUMULATIVE given in BOLD in the above passage?

- (a) Degrressive
- (b) Faint
- (c) Succumb
- (d) Accretive
- (e) None of the above

Q16. Which of the following is OPPOSITE in meaning to the word CORRELATE given in BOLD in the above passage?

- (a) Complement
- (b) Contrast
- (c) Supplement
- (d) Languish
- (e) None of the above

Q17. Which of the following words should fill the blank given in (C) to make it contextually correct and meaningful?

- (a) beneficial
- (b) benefits
- (c) loose
- (d) addition
- (e) None of the above

Directions (18-25): In each of the questions given below an incomplete sentence which must be filled/completed with one of the sentences/phrases given below i.e. one of the sentences/phrases can be fit into the given blanks. Choose the correct option and complete the given sentences.

Q18. Rahul Gandhi's decision to choose Wayanad in Kerala, in addition to Amethi in Uttar Pradesh, to contest, ----- in the 2019 elections.

- (a) could well be a defining moment
- (b) could well been a defining moment
- (c) could well be an defining moment
- (d) could well been a defining moments
- (e) None of the above

Q19. The justice system-----, under the Constitution to serve the public without "fear or favour, affection or ill-will" as far as judges are concerned.

- (a) in any democracy is was set up
- (b) in any democracy is set up
- (c) in any democracy is setting up
- (d) into any democracy is set up
- (e) None of the above

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Q20. There is a compelling case for spending Rs. 3.6 lakh crore on the poor, but -----.

- (a) it must be done careful.
- (b) it must be don't carefully.
- (c) it must been done carefully.
- (d) it must be done carefully.
- (e) None of the above

**Q21. The idea of a minimum income guarantee (MIG) -----
----- political parties.**

- (a) has caught up with the
- (b) has caught upto with the
- (c) has caught up with them
- (d) has caught up with though
- (e) None of the above

**Q22. Many landless labourers, agricultural workers and marginal farmers -----
-----.**

- (a) suffering from multi-dimensional poverty.
- (b) suffer for multi-dimensional poverty.
- (c) suffer from multi-dimensional poverty.
- (d) suffer from multi-dimensional poor.
- (e) None of the above

Q23. Due to rapid mechanisation of low-skill jobs in the construction and retail sectors, employment prospects -----.

- (a) for the poor appear increasing dismal.
- (b) for the poor appearing increasingly dismal.
- (c) for them poor appear increasingly dismal.
- (d) for the poor appear increasingly dismal.
- (e) None of the above

Q24. Income transfers will surely reduce income inequalities and help bring a large number of households out of the poverty trap or prevent ----- event of shocks such as illness or death of an earner.

- (a) them from falling into it's in the
- (b) them from falling into it in the
- (c) them from falling into its in the
- (d) them from falling into it into the
- (e) None of the above

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**Q25. The poor spend most of their income and -----
boost to economic activities by increasing overall demand.**

- (a) a boost in their income will providing a
- (b) a boost in their income will provide an
- (c) a boost in their income will provide a
- (d) an boost in their income will provide a
- (e) None of the above

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