



DAILY QUIZ OCTOBER-2017
ENERGY

Q1. The Central government entity responsible for the procurement of electric vehicles for government departments is,

- A. Bureau of Energy Efficiency
- B. The Solar Energy Corporation of India
- C. The Renewable Energy Development Authority
- D. Energy Efficiency Services Limited

Q2. Which is correct about the electric vehicles?

- 1. It will help to substantially reduce both energy demand for transportation and the carbon dioxide emissions from transportation.
- 2. The electric vehicle's real environmental cost will be invariably lower than the diesel/petrol vehicles.

Choose the correct option from below:

- A. 1 and 2
- B. 2 only
- C. 1 only
- D. None of the above

Q3. The National Electric Mobility Mission Plan (NEMMP) 2020

- 1. Aims to achieve national fuel security
- 2. Plans to incentivize buyers while purchasing hybrid and electric vehicles by providing monetary support
- 3. Aims to replace all conventional vehicles by around the year 2020

Options:

- A. 1&2
- B. 1&3
- C. 2&3
- D. 1, 2&3

Q4 .With regard to coal which of the following statement is incorrect?

- A. There are four types of coal - peat, lignite, bituminous, and anthracite.
- B. Bituminous is most desirable due to its high heat content.
- C. Clean Environment cess is levied on coal peat and lignite.
- D. All of the above are incorrect

Q5. Two largest floating solar plants of capacity 10 MW are coming up in India. Consider the following statements.

1. These are coming up in Kerala and Andhra Pradesh.
2. First floating solar plant was installed in Gujarat.

Choose the INCORRECT ones:

- A. 1 only
- B. 2 only
- C. 1 and 2
- D. Neither 1 nor 2

Q6. Which one of the following pairs of emission standard-associated technology is/are correctly matched?

- A. BS-V – Diesel Particulate Filter
- B. BS-VI – Selective Catalytic Reduction Technology
- C. Both a and b
- D. Neither a nor b

Q7. The 2017 Nobel Peace Prize has been awarded to International Campaign to Abolish Nuclear Weapons (ICAN). Choose the correct explanation of ICAN.

- A. It is a campaign started by the United Nations
- B. Group of 100 NGOs around the globe have started this
- C. It is an initiative of India in support of peace in the world
- D. None of the above

Q8. Which of the following is/are source of natural gas?

- A. Coal bed methane
- B. Shale natural gas
- C. Offshore natural gas
- D. All of the above

Q9. Consider the following statements and choose the correct option from below.

1. India's fossil fuel such as coal and gas energy demand is coming down.
2. India's renewable energy capacity is increasing.

Options :

- A. Statement 1 and statement 2 are individually correct. Statement 2 is correct explanation of statement 1
- B. Statement 1 and statement 2 are individually correct. Statement 2 is not correct explanation of 1.
- C. Statement 1 is correct but statement 2 is false.
- D. Statement 1 is false but statement 2 is correct.

Q10 Consider the following statements:

1. The International Solar Alliance was launched at the United Nations Climate Change Conference in 2015.
2. The Alliance includes all the member countries of the United Nations.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

Q11. Which of the following is not correct about Gas based power plant:

- A. Effective green alternative to coal based plants.
- B. Cost effective compared to thermal plants.
- C. Construction takes lesser time compared to the thermal plants.
- D. All are correct

Q12. What are sunrise sectors?

- A. Sector involves Solar energy production using advanced technology
- B. Sector or business that is in its infancy, but is growing at a rapid pace.
- C. Sector exploring details about Sun through space satellites.
- D. None of the above

Q13. Air- conditioners will turn ineffective in cooling a spatial unit if the temperature of fluids does not depend on its :

- A. Volume or pressure
- B. It's suspended colloids
- C. Molecular mass
- D. Velocity of speed

Q14 which of the following Airport recently declared as Asia-Pacific's first 'carbon neutral' airport?

- A. Kempegowda International Airport-Bengaluru
- B. Cochin International Airport-Kochi
- C. Indira Gandhi International Airport
- D. None of the above

Q15 what is super earth?

- A. It is similar to earth habitat condition but size is bigger.
- B. It is planet like earth exiting outside solar system.
- C. Planet with mass higher than earth but substantially lower than Uranus and Neptune.
- D. None of the above

Q16 which of the following city/s does not have gravitational wave observatory?

- 1. Washington
- 2. Cascina - Italy
- 3. Paris
- 4. Livingston
- 5. Theni -Tamilnadu

Choose the correct option:

- A. 1, 2 , 3 only
- B. 1, 2 , 3 and 4 only
- C. 1, 2, 4 and 5 only
- D. 3 and 5 Only

Q17 Where of the below are correct about largest floating solar park in Kerala ?

- A. It will increase the efficiency of solar panels
- B. Saves precious land for other purposes
- C. Replacing damaged solar panels is tedious
- D. All

Q18 what are the reasons for fall in solar power cost?

- A. Supply of cheap crystalline silicon (c-Si) by China
- B. Indian Government ambitious push, that encouraged competition
- C. Strong and well developed domestic semiconductor industry
- D. Only A & B

Q19 First ever battery technology for storing wind and solar energy being developed. With respect to this choose the correct statements:

- 1. It is being developed in India.
- 2. It is going to bolster government electricity plan.

Choose the correct option:

- A. 1 only
- B. Neither 1 nor 2
- C. Both 1 and 2
- D. 2 only

Q20. Thunderstorm phenomenon is NOT associated with :

- A. Lightening
- B. Hailstorms
- C. Huge cloud formation
- D. None of the above

Q21. Consider the following statements for Pradhan Mantri Urja Ganga (PMUG) scheme :

1. The gas pipeline project aims to provide piped cooking gas to residents of the eastern region of the country.
2. It is being implemented by GAIL

Which of the above given statements are correct:

- A. Both 1 and 2
- B. 1 only
- C. 2 only
- D. Neither 1 nor 2

Q22. Which of the following can be considered as true about mini grids ?

1. Uses a renewable energy based generator
2. They are typically set up in villages to provide electricity to remote areas
3. There are mini grids set up in every state under Deen Dayal Rural Electrification Scheme.

Choose the correct option :

- A. 1 and 3 only
- B. 1 and 2 only
- C. 2 and 3 only
- D. All of the above.

Q23 During an emergency at any of the DAE (Department of Atomic Energy) facility, Which of the following body is responsible for immediate emergency response ?

- A. National Disaster Management Authority
- B. Atomic Energy Regulatory Board
- C. The Crisis Management Group (CMG) of DAE.
- D. State Disaster Management Authority

Q24 which of the following country decided to phase out coal fired power plants by 2025?

- A. USA
- B. China
- C. Italy
- D. India

Q25. Open access charge model is associated with which of the following Sector:

- A. Mining
- B. Power
- C. Petroleum and natural gas
- D. Transport

Q26. World's first hydrogen tram has started its run in which country?

- A. Japan
- B. USA
- C. South Korea
- D. China

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