



Daily Current Affairs Prelims Quiz 23-09-2022 (Online Prelims Test)

1) Consider the following statements about Dvorak technique:

1. The Dvorak technique is a cloud pattern recognition technique based on the development and decay of the tropical cyclone.
2. This tool helps make predictions, measure wind or pressure parameters associated with the cyclone.

Which of the above statement(s) is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : a

Dvorak technique



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- The Dvorak technique is a cloud pattern recognition technique based on a concept model of the development and decay of the tropical cyclone.
- Through this statistical technique, scientists measure the cyclone's convective cloud pattern curved bands, eye and central dense or cold region and shear.
- It is the Dvorak technique which gives the best estimates of the cyclone intensity, a vital component while issuing weather warnings.
- This tool, cannot help make any predictions, measure wind or pressure or any other meteorological parameters associated with the cyclone.
- But it is a guide to estimate the storm's intensity and possible intensification which is crucial for local administration in planning evacuation measures of coastal or other nearby residents.

2) Consider the following statements regarding Yield Curve Control (YCC):

1. It involves targeting a longer-term interest rate by a central bank.
2. It focuses on bond prices and helps to prevent recession and lessen its impact.

Which of the above statement(s) is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : c

Yield Curve Control (YCC)

- Yield curve control (YCC) involves targeting a longer-term interest rate by a central bank, then buying or selling as many bonds as necessary to hit that rate target.
- This approach could help prevent a recession or lessen the impact of a downturn.
- Yield Control Curve may be needed for economic stimulus as short-term rates near zero.
- Yield control curve, also referred as interest rate caps, aims to control interest rates along with some portion of the yield curve.

3) Consider the following statements about Hybrid Motor developed by ISRO:

1. Unlike the conventional combinations, a hybrid motor uses liquid fuel and solid oxidizer.
2. The motor uses Hydroxyl-terminated polybutadiene (HTPB) as the oxidizer and liquid oxygen (LOX) as the fuel.

Which of the above statement(s) is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : d

Hybrid motor

- It is developed by the Indian Space Research Organization (ISRO).
- The hybrid motor is more efficient, greener and safer to handle and paves the way for new propulsion technologies for future missions.
- The technology demonstration paves the way for hybrid propulsion-based sounding rockets and an exciting platform for vertical landing experiments for spent-stage recovery.
- It is a hybrid motor which is a combination of solid fuel and liquid oxidizer.
- The motor used Hydroxyl-terminated polybutadiene (HTPB) as fuel and liquid oxygen (LOX) as the oxidizer.

4) Which one of the following statements about SPARSH initiative is correct?

- a. It is a web-based system for processing the pension claims of defense pensioners.
- b. It helps to promote philately among children at a young age in a sustainable manner.
- c. It is launched to improve the access of online learning resources to all students.
- d. It helps to map the aquifer in the rainfall deficit areas of the country.

Answer : a

SPARSH initiative

- SPARSH is a web-based system for processing the pension claims and crediting the pension directly into the bank accounts of defense pensioners without any external intermediary.
- It has been designed to give Defense Pensioners a transparent view of their pension account, through an online portal.
- This system is administered by the Defense Accounts Department through the Principal Controller of Defense Accounts (Pensions), Prayagraj and caters to all the three Services and allied organization.
- The system on roll-out is initially catering to the new retirees and subsequently is being extended to cover the existing defense pensioners.

5) Consider the following statements about Puneet Sagar Abhiyan (PSA):

1. It is an initiative for skill development in the environment and forest sector to enable youth to get

self-employed.

2. It is launched by Ministry of Environment, Forests and Climate Change.

Which of the above statement(s) is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : d

Puneet Sagar Abhiyan

- National Cadet Corps and United Nations Environment Program (UNEP) signed a Memorandum of Understanding (MoU) to tackle the issue of plastic pollution and achieve the universal goal of clean water bodies through 'Puneet Sagar Abhiyan'
- The National Cadet Corps (NCC) had in 2021, launched 'Puneet Sagar Abhiyan'.
- It is a nationwide flagship campaign, initially for one month, to clean sea shores of plastic & other waste material, while raising awareness about the importance of cleanliness.
- It was subsequently extended as a Pan-India round-the-year campaign to cover rivers and other water bodies as well.
- Since the launch of 'Puneet Sagar Abhiyan', over 100 tons of plastic waste have been collected from nearly 1,900 locations by more than 12 lakh NCC cadets.
- Of the approximately 100 tons of collected plastic waste, more than 60 tons have been handed over for recycling.



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