



Daily Current Affairs Prelims Quiz 28-05-2021 - (Online Prelims Test)

1) Consider the following statements with respect to *NIDHI4COVID2.0*

1. It will fund eligible startups & companies offering promising solutions to address or mitigate various challenges being faced due to COVID-19.
2. The fund is available only for startups & companies registered in India.
3. It is an initiative launched by the Department for Promotion of Industry & Internal Trade, Ministry of Commerce.

Which of the statement(s) given above is/are *incorrect*?

- a. 3 only
- b. 1 and 2 only
- c. 2 and 3 only
- d. 1, 2 and 3

Answer : a

- *The Department of Science and Technology has recently invited applications from startups and companies for developing new technologies and innovative products to tackle the second wave of Covid-19.*

NIDHI4COVID2.0

- It is a new initiative under which the companies can apply, will fund eligible startups and companies **registered in India** offering promising solutions in the thrust areas of oxygen innovation, portable solution, relevant medical accessories, diagnostic, informatics, or any other solution that addresses/mitigate various challenges faced by country/society due to the severe impact of Covid-19.
- The initiative is a special drive of the National Science and Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology (DST).
- It was launched to support **indigenous solutions** and innovative products to combat the crisis that the country is currently facing due to the pandemic.

2) Consider the following statements with respect to *Services e-Health Assistance & Tele-consultation (SeHAT) OPD Portal*

1. The portal provides tele-medicine services to the serving Armed Forces personnel, veterans and their families of all the three Services.
2. It has been developed by CDAC Mohali and launched by the Ministry of Defence (MoD).

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

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

Answer : c

- Union Defence Minister, Rajnath Singh has recently launched 'Services e-Health Assistance & Tele-consultation (SeHAT) OPD portal.

Services e-Health Assistance & Tele-consultation (SeHAT) OPD Portal

- The portal provides tele-medicine services to the serving Armed Forces personnel, veterans and their families.
- Triservice Teleconsultation Service of the Ministry of Defence (MoD) is being offered to **all entitled personnel of the three Services**.
- It aims to provide healthcare services to patients in their homes.
- Safe and structured video based clinical consultations between a doctor in a hospital and a patient in the confines of his or her home is being enabled.
- Stay Home OPD has been **developed by CDAC Mohali** and HQ IDS and is based on the lines of e Sanjeevani a similar free OPD service run by the MoHFW for all citizens.
- SeHAT is based on the eSanjeevani OPD-GOI'S flagship telemedicine technology developed by CDAC (Mohali).
- SeHAT is a patient to doctor system, initially for a general OPD consultation and proposed to be extended to specialist OPD consultation subsequently.

3) Who among the following are considered as the "Trinity of Carnatic Music"?

1. Shyama Sastry
2. Muthu Thandavar
3. Thyagaraja Swamy
4. Muthuswami Dikshitar
5. Thirugnana Sambandar

Select the correct answer using the codes given below:

- a. 1, 2 and 3
- b. 2, 4 and 5
- c. 1, 3 and 4
- d. 3, 4 and 5

Answer : c

Trinity of Carnatic Music

- It refers to the outstanding trio of composer-musicians of Carnatic music in the 18th century.
- They were also called as the Three Jewels of Carnatic music.
- All three composers were born in Thiruvavur, formerly part of Thanjavur District in Tamilnadu.

The Trinity of Carnatic music are:

1. Shyama Sastry
2. Thyagaraja Swamy
3. Muthuswami Dikshitar

Tamil Trinity of Carnatic Music

They are also known as the Tamil Moovar. They were:

1. Arunachala Kavi

2. Muthu Thandavar
3. Marimutthu Pillai

- They lived five decades before the Tiruvarur Trinity or Trinity of Carnatic Music.
- They introduced several innovations that led to the evolution of the Carnatic kriti (song).

Female Trinity of Carnatic Music

They are Carnatic musicians of the 20th century, popularly referred to as the female Trinity of Carnatic music. They were:

1. D. K. Pattammal
2. M. S. Subbalakshmi
3. M. L. Vasanthakumari

4) Which of the following is correct with respect to *Fungus*?

- a. The study of fungi is called Autecology
- b. Lichens and Oomycetes belongs to the Fungi Kingdom
- c. Fungus is not a part of animal and plant kingdom and has been classified as a kingdom on their own
- d. Fungi are prokaryotic organisms in which cells does not contain membrane-bound organelles and an undefined nuclei

Answer : c

- Fungus comes from a Latin word for Mushroom.
- The Latin word for mushroom, fungus (plural fungi), has come to stand for the whole group.
- Fungi are **eukaryotic organisms**; i.e., their cells **contain membrane-bound organelles** and **clearly defined nuclei**.
- Fungi is not a part of animal and plant kingdom and has been classified as a kingdom on their own.
- As fungi lack chlorophyll and are distinguished by unique structural and physiological features, they have been separated from plants.
- The study of fungi is known as mycology — a broad application of the Greek word for mushroom, mykes.
- Lichens, Yeast and Molds belong to Fungi Kingdom.
- There are also many fungus like organisms, including slime molds and oomycetes (water molds), which do not belong to kingdom Fungi but are often called fungi.

5) Consider the following statements with respect to *National Digital Health Mission (NDHM)*

1. It is an ambitious programme to provide network infrastructure with affordable broadband connectivity on a non-discriminatory basis to all households in the country.
2. The National Health Authority has been entrusted with the role of designing strategy, building infrastructure and implementation of the mission in India.

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

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

Answer : b

- *Prime Minister Narendra Modi has recently chaired a high-level meeting to review the National Digital Health Mission (NDHM).*

National Digital Health Mission (NDHM)

- It aims to develop the backbone necessary to support the integrated digital health infrastructure of the country.
- It will bridge the existing gap amongst different stakeholders of Healthcare ecosystem through digital highways.
- It aims to strengthen the accessibility and equity of health services, including continuum of care with citizen as the owner of data, in a holistic healthcare programme approach leveraging IT & associated technologies and support the existing health systems in a 'citizen-centric' approach.
- It will come under the Ayushman Bharat Pradhan Mantri Jan Arogya Yojana.
- The National Health Authority has been entrusted with the role of designing strategy, building technological infrastructure, roll-out and implementation of the mission in India.

It comprises six key building blocks or digital systems namely

1. HealthID
2. DigiDoctor
3. Health Facility Registry
4. Personal Health Records
5. e-Pharmacy
6. Telemedicine

Background

- On 15th Aug 2020, during his Independence Day address, Hon'ble Prime Minister had announced the launch of NDHM.
- Since then, the digital modules and registries have been developed and the mission has been rolled out in six Union Territories.
- So far, nearly 11.9 lakh Health IDs have been generated and 3106 doctors and 1490 facilities have registered on the platform.

6) Consider the following statements with respect to *Lakshadweep Development Authority*

1. It empowers the government to constitute Planning and Development Authorities for any identified area.
2. It can carry out zonation for all types of land use within the island.
3. It stipulates that islanders must pay a processing fee for zone changes.

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

- a. 1 and 2 only
- b. 1 and 3 only
- c. 2 and 3 only
- d. 1, 2 and 3

Answer : b

Lakshadweep Development Authority

- It empowers the government, identified as the administrator, to constitute Planning and Development Authorities under it to plan the development of any area identified as having "bad layout or obsolete development".
- The authority would be a body corporate with a government-appointed chairman, a town planning officer and three 'expert' government nominees besides two local authority

representatives.

- These authorities are to prepare land use maps, carry out zonation for type of land use and indicate areas for proposed national highways, arterial roads, ring roads, major streets, railways, tramways, airports, theatres, museums etc.
- Only cantonment areas are exempted from this.
- It defines development as the carrying out of building, engineering, mining, quarrying or other operations in, on, over or under land, the cutting of a hill or any portion thereof or the making of any material change in any building or land or in the use of any building or land.
- It stipulates that islanders must pay a processing fee for zone changes.
- It implies that localities would be required to pay fees to gain approval to alter zones as per the development plan, as well as fees for permission to develop their own land.
- It establishes penalties such as imprisonment for obstructing the development plan's work or workers.

7) Consider the following statements with respect to *Judicial Recusal*

1. It is the act of abstaining from legal proceeding due to a conflict of interest of the presiding court official or administrative officer.
2. Grounds for recusal includes if a judge is biased in favour of one party, or against another, or that a reasonable objective observer would think he might be.

Which of the statement(s) given above is/are *incorrect*?

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

Answer : d



Judicial Disqualification or Recusal

- Judicial disqualification, referred to as recusal, is the act of abstaining from participation in an official action such as a legal proceeding due to a conflict of interest of the presiding court official or administrative officer.
- Grounds for Recusal includes
 1. The judge is biased in favour of one party, or against another, or that a reasonable objective observer would think he might be.
 2. Interest in the subject matter, or relationship with someone who is interested in it.
 3. Background or experience, such as the judge's prior work as a lawyer.
 4. Personal knowledge about the parties or the facts of the case.
 5. Ex parte communications with lawyers or non-lawyers
- There are no definite rules on recusals by Judges, However in taking oath of office, judges, both of the Supreme Court and of the high courts, promise to perform their duties, to deliver justice, "without fear or favour, affection or ill-will".

8) *Volatiles Investigating Polar Exploration Rover (VIPER)*, a lunar rover is developed by which of the following Space Agencies?

- a. Indian Space Research Organisation (ISRO)
- b. Japan Aerospace Exploration Agency (JAXA)
- c. European Space Agency (ESA)
- d. National Aeronautics and Space Administration (NASA)

Answer : d

Volatiles Investigating Polar Exploration Rover (VIPER)

- Volatiles Investigating Polar Exploration Rover (VIPER) is a lunar rover developed by NASA.
- It is currently planned to be delivered to the surface of the Moon in November 2023.
- VIPER runs on solar power, it will be required to quickly manoeuvre around the extreme swings in light and dark at the lunar South Pole.
- The rover will be tasked with mapping the distribution and concentration of water ice.
- Once on the Moon, the rover will explore lunar craters using a specialised set of wheels and suspension system to cover a variety of inclines and soil types.
- VIPER will be carried aboard Astrobotic's Griffin lander as part of NASA's Commercial Lunar Payload Services (CLPS) initiative.
- VIPER will carry four instruments on board, this includes

1. The Regolith and Ice Drill for Exploring New Terrains (TRIDENT)
2. The Mass Spectrometer Observing Lunar Operations (MSolo) instrument.
3. The Near Infrared Volatiles Spectrometer System (NIRVSS).
4. The Neutron Spectrometer System (NSS).

9) Which of the following organizations are not a part of *Indian SARS-CoV-2 Genome Sequencing Consortia (INSACOG)* ?

- a. Indian Council of Medical Research (ICMR)
- b. World Health Organization (WHO)
- c. Ministry of Health & Family Welfare
- d. Council of Scientific & Industrial Research (CSIR)

Answer : b



Indian SARS-CoV-2 Genome Sequencing Consortia (INSACOG)

- It is a national multi-agency consortium that was set up by the Indian Government in December 2020.
- Ten laboratories of CSIR, ICMR, Department of Biotechnology, and Ministry of Health & Family Welfare were combined to form the INSACOG consortium.
- 17 more labs will be added to increase the current capacity of genome sequencing.
- After the reports of a sudden outbreak of a UK variant of coronavirus came to light, the Government proposed to expand genome sequencing of SARS-CoV-2 across the country.
- INSACOG will assess the genomic variants of the coronavirus through a multi-laboratory network.
- Genome sequencing of the virus can assist scientists to understand the hotspots of the variants of coronavirus, how the virus spreads and evolves, and aid in developing potential COVID vaccines.
- The data collected from genome sequencing of the virus will further aid in studying linkages between the variants and epidemiological waves (super-spreader events, outbreaks) of the virus.

10) Which of the following statement(s) is/ are correct with respect to *Puysegur Trench*

1. It is a deep cleft in the floor of Indian Ocean formed by the subduction of the Indo-Australian Plate.
2. The area around the Puysegur Trench is highly seismically active, with the Alpine Fault starting at the trench's northern end.

Select the correct answer using the codes given below:

- a. 1 only
- b. 2 only

- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : b

Puysegur Trench

- It is 6,300-metre (20,700 ft) deep trench, a deep cleft in the floor of the south Tasman Sea formed by the subduction of the Indo-Australian Plate under the Pacific Plate to the south of New Zealand.
- Immediately to its east lies a ridge, a northern extension of the Macquarie Ridge, which separates the Puysegur Trench from the Solander Trough.
- To the west is the expanse of the Tasman Basin, which stretches most of the distance to Australia.
- To the north of the trench lies the Fiordland Basin, which can be considered an extension of the trench.
- The Puysegur Trench mirrors the Kermadec Trench and Tonga Trench north of New Zealand.
- The Puysegur Trench stretches for over 800 kilometres south from the south westernmost point of the South Island's coast, its southernmost extent being 400 kilometres due west of the Auckland Islands. It is named after Puysegur Point.

Alpine Fault

- It is a geological fault that runs almost the entire length of New Zealand's South Island (c. 480 km) and forms the boundary between the Pacific Plate and the Indo-Australian Plate.
- The Southern Alps have been uplifted on the fault over the last 12 million years in a series of earthquakes.
- However, most of the motion on the fault is strike-slip (side to side), with the Tasman district and West Coast moving North and Canterbury and Otago moving South.

