



30 Days Revision Module Day 18 - June 2021 Current Affairs (UPSC Prelims 2021)

1) Consider the following statements with respect to Anchor Investor

1. It is a concept of seed investor, a high-net-worth individual who provides financial backing for small start-ups or entrepreneurs.
2. They are invited to subscribe the shares before the Initial Public Offers (IPOs) open.

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

- Anchor investor is a concept launched by Securities Exchange Board of India (SEBI) in 2009.
- Anchor investors are institutional investors who are invited to subscribe the shares before the Initial Public Offers (IPOs) open so that it jazzes up the popularity of the issue.
- The anchor investors are required to take up the share at a fixed price to make other investors confident and improve the demand of the share.
- Each anchor investor needs to invest a minimum of Rs 10 crore in the issue

2) Consider the following statements with respect to Jhanda Satyagraha

1. It focused on exercising the right and freedom to hoist the nationalist flag through the defiance of laws prohibiting the hoisting of nationalist flags.
2. The first Jhanda Satyagraha was held in the city of Nagpur in 1923 and later spread to many other parts of 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 : a

- The Minister of State (IC) for Culture Shri Prahlad Singh Patel has recently led the programme organized to observe the Flag Satyagraha in Jabalpur, Madhya Pradesh.

Flag / Jhanda Satyagraha

- It is a campaign of peaceful civil disobedience during the Indian independence movement.
- It focused on exercising the right and freedom to hoist the nationalist flag and challenge the legitimacy of the British Rule in India through the defiance of laws prohibiting the hoisting of nationalist flags and restricting civil freedoms.

- It was on March 18, 1923 that the first Tricolour was hoisted in Jabalpur, marking the start of 'Jhanda Satyagraha'.
- With the observance of the All India Flag Day on June 18, 1923, the Jhanda Satyagraha assumed national complexion with Nagpur as its headquarters and 'Nagpur Chalo' as its slogan.
- Later the movement gains more importance and spread to many other parts of India.

3) Consider the following statements with respect to Northern limit of Monsoon (NLM)

1. It is a line delineating the regions where the monsoon has advanced from the regions where the monsoon is yet to set in.
2. Under the condition monsoon trough shifts northwards, resulting in drastic reduction in rainfall over the country outside the foot hills and southernmost Peninsula.

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 : a

- The Northern Limit of Monsoon (NLM) continues to pass through lat. 20.5°N/ Long. 60°E, Diu, Surat, Nandurbar, Bhopal, Nowgong, Hamirpur, Barabanki, Bareilly, Saharanpur, Ambala and Amritsar.

Terms used during southwest Monsoon Season (June to September)

- Northern limit of Monsoon (NLM) - A line delineating the regions where the monsoon has advanced from the regions where the monsoon is yet to set in.
- **Axis of Monsoon trough** - A northwest-southeast oriented trough across the northern plains, often extending over the Bay of Bengal.
- The normal position of the monsoon trough on sea level chart passes through GanganagarAllahabad-Kolkata to Head Bay.
- **Break Monsoon**- Monsoon trough shifts northwards and runs close to foot hills of Himalayas, resulting in drastic reduction in rainfall over the country outside the foot hills and southernmost Peninsula.
- **Off-shore trough**- The trough along the west coast which generally runs from Gujarat to Kerala coasts and is generally seen from surface to 0.9 km. above mean sea level.

4) Consider the following statements:

1. Prevalence of Anaemia is low in rural, poor children whereas it is high in urban and rich children.
2. Prevalence of Iron deficiency is low in urban, rich children whereas it is high in rural, poor children.

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 : d

- In a recently published research paper, Scientists have analysed the data on iron deficiency in the blood samples collected in the Comprehensive National Nutrition Survey (CNNS) conducted in 2016-18 under the Union Ministry of Health and Family Welfare.

- According to the analysis, Scientists at the National Institute of Nutrition (NIN) have reported that Anaemia (reduced haemoglobin or red blood cells) is high in rural, poor children while iron deficiency is more among the urban and rich across the country.
- Although anaemia prevalence was higher in rural and poorer children as well as adolescents, counter-intuitively, iron deficiency was less common among them.
- Similarly, anaemia was found to be lower among their urban counterparts while iron deficiency was seen more in them.

The study

- The study included a representative sample of more than 33,000 children and adolescents in different states.
- It showed about 30-32% pre-school children and adolescent girls had iron deficiency whereas this proportion was lower (11-15%) in case of children aged 5-9 years.
- This finding provided new insights into the public health problem of anaemia, which, according to surveys, affects almost 40-50% women and children in the country. Anaemia and Iron Deficiency.
- Measurement of iron deficiency in blood samples are expensive, population level surveys, therefore, usually measure only haemoglobin in the blood often used as a proxy to estimate the iron deficiency in the population.
- When anaemia prevalence increases in subsequent surveys, usually, iron supplementation interventions through supplemental iron tablets or iron fortification of foods are intensified.
- But are solutions that focus merely on increasing intake of iron enough to reduce anaemia prevalence in India? It does not seem so as per this study.
- So, increasing iron intake alone without addressing the poverty-related constraints like poor diet quality, hampering iron absorption and utilisation, and high load of infections may not result in intended benefits for anaemia reduction through mere supplementation.

5) Consider the following statements with respect to DAVINCI+ Mission

1. It will try to understand Venus' composition to analyse the formation and evolution of the planet.
2. It will try to return the first high resolution photographs of a geological feature that is unique to Venus.
3. It will also determine if active volcanoes are releasing water vapour into the atmosphere.

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 : a

- DAVINCI+ is short for 'Deep Atmosphere Venus Investigation of Noble gases, Chemistry, and Imaging'.
- It is the first US-led mission to the planet's atmosphere since 1978.
- It also consists of a descent sphere that will pass through the planet's thick atmosphere and make observations and take measurements of noble gases and other elements
- VERITAS mission will determine if active volcanoes are releasing water vapour into the atmosphere.

6) Consider the following statements with respect to SDG India Index 2020-21

1. The Index, developed in collaboration with the United Nations in India was launched by NITI Aayog.
2. The index measures the progress at the national and sub-national level in the country's journey towards meeting the Global Sustainable Development Goals and targets.

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

- NITI Aayog will launch the 3rd edition of “Sustainable Development Goals India Index & Dashboard, 2020-21: Partnerships in the Decade of Action”.
- It covers 17 Goals, 70 targets, and 115 indicators.

SDG India Index & Dashboard

- Launched in 2018, the index has been monitoring progress on the SDGs in the country at the national and sub-national level.
- The index supports the States and UTs in identifying areas which require more attention; and promoting healthy competition among them.
- The Index, developed in collaboration with the United Nations in India, measures the progress at the national and sub-national level in the country's journey towards meeting the Global Goals and targets and has been successful as an advocacy tool to propagate the messages of sustainability, resilience, and partnerships, as well.

7) Consider the following statements with respect to Isothermal Forging

1. It is a hot working process to work on super alloys that have low forge ability.
2. It has a high heat loss and only larger machines can be used to make the forging through this process.

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

Isothermal Forging

- Due to the lower heat loss smaller machines can be used to make the Isothermal forging.
- Here the work piece is maintained at its maximum elevated temperature throughout the entire operation
- Isothermal Forging Technology for Aero engines is achieved by DRDO to develop a jet engine with the thrust to power a fighter in combat.
- This technological involves developing complex titanium and nickel-based alloys that can withstand temperatures of more than 1,000 degrees Celsius.

8) Dr. K.P. Krishnan Committee, sometimes seen in the news recently, is associated with which of the following?

- a. To reform unorganized sector's pension scheme in India
- b. To examine the feasibility of the Variable Capital Company (VCC) in India
- c. To reform the current account carry forward practice under Rolling Settlements

d. To facilitate computerization of Banking Industry & Public Sector Disinvestment

Answer : b

- Dr. K.P. Krishnan headed expert committee has recently submitted its report to the Chairperson of the International Financial Services Centres Authority (IFSCA), Shri. Injeti Srinivas.
- International Financial Services Centres Authority (IFSCA) has constituted an expert committee to examine the feasibility of the Variable Capital Company (VCC) in India and to examine the suitability of the Variable Capital Company as a vehicle for fund management in the International Financial Services Centre (IFSC) in India.
- Conventionally, pooling of funds in India is undertaken through three types of entities, namely
 1. Limited liability companies governed under the Companies Act, 2013
 2. Limited liability partnerships under the Limited Liability Partnership Act
 3. Trusts governed under the Indian Trusts Act, 1882
- The Committee recommended the adoption of a VCC-like legal structure for the purpose of conducting fund management activity in IFSCs

9) Consider the following statements with respect to International Nitrogen Initiative (INI)

1. It was set up in 2003 under the UNESCO's International Geosphere-Biosphere Program (IGBP).
2. INI conferences will be held every three years on different continents.
3. INI 2021 is being hosted by India's Ministry of Environment, Forests and Climate Change.

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

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



Answer : a

- The eighth triennial conference of the International Nitrogen Initiative (INI) was hosted recently by Germany's Federal Environment Agency (Umweltbundesamt-UBA).
- UN Sustainable Development Goals (SDGs) is the main focus of the conference.
- The conference was postponed from May last year due to the novel coronavirus disease (COVID-19) pandemic.
- The last INI conference was held in Melbourne, in December 2016, adopting Melbourne declaration

International Nitrogen Initiative

- The International Nitrogen Initiative (INI) was set up in 2003 under the sponsorship of Scientific Committee on Problems of the Environment (SCOPE) and the International Geosphere-Biosphere Program (IGBP).
- The key aims of the INI are to:
 1. Optimize nitrogen's beneficial role in sustainable food production,
 2. Minimize nitrogen's negative effects on human health and the environment resulting from food and energy production.
- The program is currently a sustained partner of Future Earth.
- The INI holds a conference every three years on different continents to discuss ideas and exchange knowledge on nitrogen issues.
- INI is coordinated by a Steering Committee, led by a chair and six regional centre directors representing, Africa, Europe, Latin America, North America, South Asia and East Asia.
- Steering Committee members serve a four-year term.

Background

- South Asia is one of the global hotspots for nitrogen pollution.
- The Indian nitrogen assessment of 2017 has provided a huge impetus to the UN resolution, as well as to the ongoing South Asian nitrogen assessment.
- Millions of lives and livelihoods are affected by nitrogen pollution, apart from loss of fertilisers worth billions of dollars from farms.

10) Consider the following statements with respect to Radioisotope Thermoelectric Generator (RTG)

1. It is a lightweight compact spacecraft power system that are extraordinarily reliable
2. It provides electrical power using heat from the natural radioactive decay of plutonium 238 in the form of plutonium dioxide.
3. India is the first country to deploy RTGs in space exploration, which will be used in Gaganyaan mission.

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 : a

- UR Rao Satellite centre (URSC) of ISRO invited Proposals for the three-phase development of a 100-Watt Radioisotope Thermoelectric Generator (RTG).
- URSC is ISRO's lead centre for the design, development, fabrication, and testing of all Indian-made satellites.
- Gaganyaan crew module is a fully autonomous 5.3 t (12,000 lb) spacecraft designed to carry a 3-member crew to orbit and safely return to the Earth after a mission duration of up to seven days.
- It will use GSLV Mark III launcher which is powered by liquid propellant engines.

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