

Civils Prelims 2022 (Scheduled on 5.6.2022)
Model Questions (for GS Paper)
Set No. 5 {Prepared on 26 .5.2022 }

For Study purpose

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1) Consider the following:

Under the NPOP, organic products are grown under a system of agriculture without the use of chemical fertilizers and pesticides with an environmentally and socially responsible approach. This method of farming works at grassroot level preserving the reproductive and regenerative capacity of the soil, good plant nutrition, and sound soil management, produces nutritious food rich in vitality which has resistance to diseases. APEDA is currently implementing the NPOP, which involves the accreditation of certification bodies, standards for organic production, promotion of organic farming and marketing etc.

1) In 2020-21, India produced around 3.49 million tonne of certified organic products which includes all varieties of food products namely oil seeds, sugarcane, cereals, millets, cotton, pulses, aromatic & medicinal plants, tea, coffee, fruits, spices, dry fruits, vegetables, processed foods etc.

2) Madhya Pradesh has covered largest area under organic certification followed by Rajasthan, Maharashtra, Gujarat, Karnataka, Odisha, Sikkim and Uttar Pradesh. In 2020-21, the total volume of organic products export was 8.88 lakh metric tonne and the export realization was around Rs 7,078 crores (1040 million USD).

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) Both 1, 2
- (d) None of these

Ans: c

2) Consider the following :

The International Financial Services Centres Authority (IFSCA) has been established as a unified regulator to develop and regulate financial products, financial services and financial institutions in the International Financial Service Centres (IFSCs) in India.

1) The Fund Industry has been playing an increasingly important role in intermediating between seekers of capital and investors. IFSC has been actively engaging with stakeholders to enhance the Global reach of GIFT-IFSC. The regulatory approach has been to benchmark with Global Standards and adopt a facilitative framework to provide ease of operations for seeker as well as provider of capital.

2) IFSCA, in its endeavour to develop a comprehensive and consistent regulatory framework based on global best practices with a special focus on ease of doing business, has constituted an Expert

Committee on Investment Funds to recommend to IFSCA on the road map for the funds industry in the IFSCs.

3)The Committee has been constituted under the Chairmanship of Mr. Nilesh Shah, MD, Kotak Mahindra Asset Management Co. Ltd. The Committee comprises of leaders from the entire Fund Management ecosystem including from areas such as technology, distribution, legal, compliance, and operations.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3
- (d) None of these

Ans: c

3) Consider the following:

1)The President of India appointed S/Shri Justices Conrad Stansilaus Dias, Pulleri Vadhyarillath Kunhikrishnan, ThirumuppathRaghavan Ravi, Bechu Kurian Thomas and GopinathPuzhankara, Additional Judges of the Kerala High Court, to be Judges of the Kerala High Court with effect from the date they assume charge of their respective offices.

2) The President of India exercised the power conferred by clause (l) of Article 217 of the Constitution of India for this purpose

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) Both 1, 2
- (d) None of these

Ans: c

4) Consider the following :

In order to address the issue of air pollution due to farm stubble burning and to reduce carbon footprints of thermal power generation, Ministry of Power has decided to set up a **National Mission on use of Biomass in coal based thermal power plants**. This would further support the energy transition in the country and our targets to move towards cleaner energy sources.

The "**National Mission on use of biomass in thermal power plants**" will have the following objectives;

- (1) To increase the level of co-firing from present 5% to higher levels to have a larger share of carbon neutral power generation from the thermal power plants.
- (2) To take up R&D activity in boiler design to handle the higher amount of silica, alkalis in the biomass pellets.

(3) To facilitate overcoming the constraints in supply chain of bio mass pellets and agro- residue and its transport upto to the power plants.

(4) To consider regulatory issues in biomass co-firing.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3,4

(d) None of these

Ans: c

5) Consider the following :

1) Prime Minister of India met the President of Ukraine H.E. Mr. Volodymyr Zelenskyy on the sidelines of COP26 in Glasgow on 2 November 2021.

2) The leaders took stock of the state of bilateral relations and exchanged views on developments in the region.

3) They expressed satisfaction on the cooperation during the pandemic times including mutual recognition of COVID vaccination certificates by both countries. Prime Minister Modi thanked President Zelenskyy for his humanitarian gesture of supply of oxygen concentrators to India during the second phase of COVID pandemic earlier this year.

4) The two leaders positively assessed the strong people to people connect between the two countries, especially the large number of Indian students studying in various Universities of Ukraine.

5) The two leaders reaffirmed their readiness to work together for further strengthening of bilateral relations.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3,4,5

(d) None of these

Ans: c

- 6) Launch of 'Infrastructure for Resilient Island States' initiative at COP 26 Summit in Glasgow :

1) The launch of 'Infrastructure for Resilient Island States' - IRIS, gives a new hope, a new confidence. It gives the satisfaction of doing something for the most vulnerable countries.

2) Congratulations for this the Coalition for Disaster Resilient Infrastructure (CDRI)

3)At this important forum, I extend my warm thanks to all the leaders of all the allied countries, including Australia and UK, and especially from small island groups, including Mauritius and Jamaica.

4)I also thank the UN Secretary General for sparing his valuable time for this launch.

Which of the statements given above is / are correct ?

- (a)1 only
- (b) 2 only
- (c) 1,2,3,4
- (d) None of these

Ans: c

7) Consider the following :

1)It may be noted that Onion prices had started rising from the first week of October, 2021, due to rains that disrupted the supply chain. In order to cool down prices, the Department of Consumer Affairs has taken up calibrated and targeted release of onions from the buffer on First-in-First-Out (FIFO) principle, guided by the twin objectives of moderating prices and ensuring minimal storage loss.

2)Onion buffer has been maintained by the Department of Consumer Affairs under the Price Stabilization Fund (PSF) with the objective of effective market intervention to moderate prices. In 2021-22, against the target of building 2 LMT Onion buffer a total of 2.08 LMT was procured from Rabi-2021 crop during April to July, 2021.

Which of the statements given above is / are correct ?

- (a)1 only
- (b) 2 only
- (c) Both 1, 2
- (d) None of these

Ans: c

8)Consider the following :

During the current paddy harvesting season, the Commission for Air Quality Management in NCR and Adjoining Areas (CAQM) has been actively monitoring paddy residue burning events for the last one and a half month i.e. from 15th September 2021 onwards in the states of Punjab, Haryana and NCR Districts of Uttar Pradesh & Rajasthan and NCT of Delhi.

1)During the last one week i.e. from 27th October up till 02nd November, as against 23,628 cases in 2020, the corresponding period in 2021 has witnessed only 12,853 active cases, thus exhibiting a reduction of 10,775 cases (about 45.6%)

2)The major hotspots of paddy residue burning in the state of Punjab are Tarn Taran, Amritsar, Ferozpur, Patiala, Ludhiana and Kapurthala. Similarly, the major hotspots in Haryana are Kaithal, Karnal, Kurukshetra, Fatehabad, Ambala and Jind.

Which of the statements given above is / are correct ?

- (a)1 only
- (b) 2 only

- (c) Both 1, 2
- (d) None of these

Ans: c

9) Consider the following :

Council of Scientific and Industrial Research (CSIR) under the aegis of Union Ministry of Science & Technology for promoting "Leh Berry" which is an exclusive food product of the cold desert and also a means of wide-ranging entrepreneurship as well as self-livelihood.

1)Local entrepreneurs will be provided gainful employment through farming, processing and marketing of about 100 odd products from sea buckthorn plant like jams, juices, herbal tea, vitamin C supplements, healthy drinks, cream, oils, and soaps in a completely organic manner. He said, this immunity boosting natural berry is getting increasingly popularized not only in India, but also in great demand in foreign countries for its medicinal value. It is informed that the ancient local Ladakhi amchi medicine system also places a very high premium on the sea buckthorn berry and its curative properties.

2)A high level team of senior scientists from CSIR will soon visit Ladakh to evaluate the Zinc Fortification project for Pashmina Goats, Sheep and Yak as Ladakh is mainly an Animal-based economy. CSIR is contemplating to start a Geo-Thermal Energy Project for warming and cooling systems in a Zero-net energy programme by linking it with Solar Power.

Which of the statements given above is / are correct ?

- (a)1 only
- (b) 2 only
- (c) Both 1, 2
- (d) None of these

Ans: c

10) Consider the following :

1)Government of India has been taking various policy initiatives for promotion and strengthening of Alternative Dispute Resolution (ADR) mechanisms through amendment in existing laws and by enactments, for facilitating quick disposal of disputes, outside of traditional court systems. As a continuation of the exercise, bringing a standalone law on Mediation is under consideration.

2)Since the laws on Mediation are contained in several enactments including Rules and Regulation, it was felt necessary to ascertain the present statutory framework on mediation and bring an umbrella legislation including amendments in the existing laws. The Bill takes into contemplation the international practice of using the terms 'conciliation' and 'mediation' interchangeably. Further, it has also become expedient to enact a law in mediation on issues of domestic and international mediation as India is a signatory to the Singapore Convention on Mediation.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) Both 1, 2
- (d) None of these

Ans: c

11) Consider the following :

1) It may be noted that Technical Textiles are textiles, which are engineered to give desired output suitable for specific applications. The basic raw material are natural fibres like jute, silk and cotton. But, majority of the applications use man-made fibres: polymers(Aramid, Nylon) , carbon, glass, and metals. Technical Textiles are the technology of future. This is going to be the next technological revolution entirely changing the way we live and think.

2) Based on their area of Applications, Technical Textiles segment is divided into 12 sub-segments. In India, India has a major presence in Packaging Textiles (Packtech): 38%, Geotechnical Textiles (Geo-tech): 10%, Agricultural Textiles (Agrotech): 12%.

3) The Applications of Technical Textiles are widening day by day with advent of new materials. Along with new inventions made in smart textiles; 3-D Weaving, smart wear for health monitoring and ultra-high performing sportswear are bringing in new avenues which were unthinkable a few years back.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3
- (d) None of these

Ans: c

12) Consider the following :

1) It is highlighted fact that India represents 17% of the global population

2) Its historical cumulative emissions are only 4%, while current annual GHG emissions are only about 5%.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) Both 1, 2
- (d) None of these

Ans: c

13) Consider the following :

1) At present there is a potential of aquaculture in saline waters available in the northern States of Haryana, Panjab, Rajasthan and Uttar Pradesh.

2) It is mentioned that PMMSY has envisaged an investment target of Rs. 526 Crore during 2020-21 to 2024-25 for development of saline water aquaculture while generating 3 lakh employment opportunities. It is also elaborated the importance of cluster development models in these states for providing one stop solution with development of facilities like testing laboratory network, feed plants, cold chain and marketing infrastructure to reduce production cost accompanied by promoting adoption of technologies like RAS, biofloc etc.

3) It is also highlighted the importance of species diversification, disposal of waste saline water, trained manpower for shrimp culture for sustainable inland saline water aquaculture.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3
- (d) None of these

Ans: c

14) Consider the following :

1) Beautiful Srinagar joined the @UNESCO Creative Cities Network (UCCN) with a special mention for its craft and folk art.

2) It is a fitting recognition for the vibrant cultural ethos of Srinagar. Congratulations to the people of Jammu and Kashmir.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) Both 1, 2
- (d) None of these

Ans: c

15) Consider the following :

1) The "Ganga Mashaal" has formally started its journey from Rishikesh and Haridwar in Uttarakhand.

2) The Mashaal will travel to a total of 23 stations along river Ganga which will help in sensitization of the local people and Namami Gange volunteers.

3) Along with the District Administration, field volunteers like Ganga Vichar Manch, Ganga Doot (NYKS), Ganga Praharis, Ganga Mitras shall also be supporting in the journey of the Mashaal, carried by the brave men of the Ganga Task Force (GTF) up to Ganga Sagar in West Bengal.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3
- (d) None of these

Ans: c

16) Consider the following :

1) India had a massive power deficit of -16.6% in 2007-08.

2) Even in 2011-12, it was -10.6 %.

3) Through the multi pronged, comprehensive and aggressive interventions of the government, this deficit is near about wiped out, consistently over the last 3 years: -.4% In 2020-21, -.7% in 2019-20 and -.8% in 2018-19.

4) The current year, up till October, it has been -1.2%; the marginal spike being attributable to the annual post monsoon pressure on power output. This is also likely to normalize by the end of the year.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3,4

(d) None of these

Ans: c

16) Consider the following:

1) India has been importing coal to bridge the gap between the requirement of coal and the domestic production in the country.

2) The dependence on imports for Coking Coal mainly used in the steel sector has been predominantly due to very limited domestic availability. Thus, import under this category has been largely non substitutable.

3) Even though the import of Coking Coal is non-substitutable, consequent to the sustained effort of the government, in line with mission 'AtmaNirbhar', the imports of various grades of Non Coking Coal have reduced substantially during the current financial year. The latter includes high GCV thermal coal used for industrial purpose and low GCV that goes for power generation.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3

(d) None of these

Ans: c

17) Consider the following :

1) National Financial Reporting Authority ("NFRA" or "Authority"), was constituted as an independent regulator for accounting and auditing in India in October 2018.

2) NFRA's Charter positions it as an organisation that should be known for Objectivity, Integrity, Impartiality, Independence, Fairness, and Transparency. In making any recommendations, NFRA attempts to keep in mind the implications of such recommendations on the Ease of Doing Business. Section 132(2)(a) of Companies Act, 2013 requires NFRA to make recommendations to the Central Government on the formulation and laying down of accounting and auditing policies and standards for adoption by companies or class of companies or their auditors, as the case may be.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) Both 1, 2

(d) None of these

Ans: c

18) Consider the following :

The Union Cabinet, chaired by the Prime Minister has approved the restoration and continuation of Member of Parliament Local Area Development Scheme (MPLADS) during the remaining part of Financial Year 2021-22 and up to Financial Year 2025-26 co-terminus with the period of 15th Finance Commission

1)The MPLADS is a Central Sector Scheme fully funded by Government of India. The objective of the scheme is to enable MPs to recommend works of developmental nature with emphasis on the creation of durable community assets in the areas of drinking water, primary education, public health, sanitation and roads, etc. primarily in their Constituencies.

2)The annual MPLADS fund entitlement per Member of Parliament (MP) constituency is Rs.5 crore, released in two instalments of Rs.2.5 crore each, subject to the fulfilment of conditions as per the MPLADS Guidelines.

3)The Ministry will release MPLADS fund at the rate of Rs. 2 crore per Member of Parliament for the remaining period of FY 2021-22 in one instalment and at the rate of Rs. 5.00 crore per annum per Member of Parliament during FY 2022-23 to FY 2025-26 in two instalments of Rs.2.5 crore each. Since the inception of the Scheme, a total of 19,86,206 works/projects have been completed with the financial implication of Rs. 54171.09 crore.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3

(d) None of these

Ans: c

19) Consider the following :

1)The Jute industry occupies an important place in the national economy of India in general and Eastern Region in particular i.e. West Bengal, Bihar, Odisha, Assam, Tripura, Meghalaya, Andhra Pradesh and Telangana.

2)It is one of the major industries in the eastern region, particularly in West Bengal.

3)The reservations norms under JPM Act provide for direct employment to 0.37 million workers and 4 million farmers in the Jute Sector.

4)JPM Act, 1987 protects interest of Jute farmers, workers and persons engaged in jute goods' production. 75% of the total production of the Jute Industry is Jute Sacking Bags of which 90% is supplied to the Food Corporation of India (FCI) and State Procurement Agencies (SPAs) and remaining is exported/sold directly

5)Government of India purchases Jute sacking bags worth approximately Rs. 8,000 crore every year for packing of foodgrains, Hence ensures guaranteed market for the produce of Jute Farmers and Workers.

6) Average Production of Jute Sacking Bags is about 30 lakhs bales (9 lakh MT) and Government is committed to ensure complete off-take of the sacking production of the jute bags in order to protect the interest of Jute farmers, workers and persons engaged in the Jute Industry.

7) By bringing into effect the provision of JPM Act, the Government will provide relief to 0.37 million workers employed in jute mills and ancillary units as well as support the livelihood of around 4.0 Million farm families.

8) Besides, it will help protect environment because jute is natural, bio-degradable, renewable and reusable fibre and hence fulfills all sustainability parameters.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3,4,5,6,7,8

(d) None of these

Ans: c

20) Consider the following :

1) National Internet Exchange of India (NIXI) is a not-for-profit Company under the aegis of the Ministry of Electronics and Information Technology (MeitY) with the mission to make the internet accessible to everyone.

2) To facilitate its customers and partners, NIXI has gone digital by enabling digital payments across its three business units by integrating payment gateways on all its customer-facing websites for ease of use.

3) This integration will lead to increased ease of use for NIXI's customers by offering real-time payments, providing uninterrupted services and ensuring seamless experience to all stakeholders.

4) PayU: PayU is India's leading payment gateways which provides payment gateway solutions to online businesses and serves more than 4,50,000+ merchants with over 100+ payment methods.

4) NSDL: NSDL is one of the largest Depositories in the World and has established a state-of-the-art infrastructure that handles most of the securities held and settled in dematerialized form in the Indian capital market. They also provide secure and seamless payment gateway services to businesses.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3,4

(d) None of these

Ans: c

21) Consider the following :

1) In a big boost to accelerate global adoption of solar energy, John Kerry, U.S. Special Presidential Envoy for Climate announced at the UNFCCC COP26 that the United States of America (USA) has joined the International Solar Alliance (ISA) as a member country.

2) U.S becomes the 101st country to sign the framework agreement of the ISA to catalyze global energy transition through a solar-led approach.

3) The approach and methods detailed in the framework have already delivered results, with ISA building a solar project pipeline of nearly 5 GW installed capacity.

4) The approach detailed in this framework will culminate in a vision for interconnected global grids, which was formalized and jointly launched as the 'Green Grids Initiative – One Sun One World One Grid' (GGI-OSOWOG), during the World Leaders Summit of the COP26 in Glasgow on 2nd November 2021 by the UK Presidency of COP26 and India Presidency of International Solar Alliance (ISA).

5) The ISA is an inter-governmental treaty-based international organization with a global mandate to catalyze global solar growth by helping to reduce the cost of financing and technology for solar. In fulfilling this mandate, the ISA is committed to establishing solar as a shared solution that simultaneously addresses climate, energy, and economic priorities across geographies, facilitating Energy Transition at a global level, Energy Security at national levels, while also ensuring Energy Access at the local level.

6) The ISA is helping large nations scale global commitments, thereby serving the planet's needs for reduced carbon emissions, while also helping economically more vulnerable nations establish a self-sustaining energy alternative that reduces trade dependency and drives job creation. Universal, affordable, and reliable last-mile electricity connectivity across socio-economic strata is a crucial pillar and targeted, tangible outcome of these combined efforts towards facilitating economic development and environmental impact.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3,4,5,6

(d) None of these

Ans: c

22) Consider the following :

1) The Union Cabinet, chaired by the Prime Minister has approved declaration of 15th November as Janjatiya Gaurav Divas dedicated to the memory of brave tribal freedom fighters so that coming generations could know about their sacrifices about the country.

2) India's freedom struggle was strengthened by several movements by tribal communities such as Santhals, Tamars, Kols, Bhils, Khasis and Mizos to name a few.

3) The revolutionary movements and struggles organized by the tribal communities were marked by their immense courage and supreme sacrifice.

4) Tribal movements in different regions of the country against the British colonial rule got linked with the national freedom struggle and inspired Indians all over the country.

5) However, the public at large is not much aware about these tribal heroes. Pursuant to the speech of Hon'ble Prime Minister on Independence Day of 2016, Government of India has sanctioned 10 tribal freedom fighter museums across the country.

6)The date is the birth anniversary of Sri Birsa Munda who is revered as Bhagwan by tribal communities across the country. Birsa Munda fought bravely against the country against the exploitative system of the British colonial system and spearheaded movement against British oppression giving a call for ‘Ulgulan’ (Revolution).

7)The declaration acknowledges the glorious history and cultural heritage of tribal communities. The day will be celebrated every year and would recognize the efforts of the tribals for preservation of cultural heritage and promotion of Indian values of valour, hospitality and national pride. Tribal Freedom Fighter Museum at Ranchi where Birsa Munda breathed his last will be inaugurated by Hon’ble Prime Minister.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3,4,5,6,7
- (d) None of these

Ans: c

23) Consider the following :

1)Kashi Utsav, a three-day festival is being organised in Varanasi to celebrate the classic heritage and culture of Kashi especially the centuries-old luminaries

2)They are Goswami Tulsidas, Sant Kabir, Sant Raidas, Bhartendu Harishchandra, Munshi Premchand and Shri Jaishankar Prasad. The programme will be organised at Rudraksh International Cooperation and Convention Centre, Varanasi from 16th - 18th November, 2021.

3)IGNCA is hosting the programme on behalf of the Ministry of Culture, Government of India, with the support of the Uttar Pradesh State Government and Varanasi Administration under the aegis of ‘Azadi Ka Amrit Mahotsav’, an initiative of the Government of India to celebrate and commemorate 75 years of progressive India.

4)Varanasi or Kashi has been chosen for this festival because of its rich cultural heritage and splendid history and resplendent beauty.

5)The longest river of the India, Ganges flows through Kashi and is a source of inspiration for artists, scholars, writers of the city including the six legendary personalities who have been chosen for the event. The festival will help in exploring the magnificent aura of Kashi that gives birth to the legendaries of all times.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3,4,5
- (d) None of these

Ans: c

24) Consider the following:

1) India has successfully launched the 41st Scientific Expedition to Antarctica with the arrival of the first batch of its contingent at the southern white continent.

2) The first batch comprising of 23 scientists and support staff reached the Indian Antarctic station Maitri on last week. Four more batches shall be landing in Antarctica by air using DROMLAN facility and onboard chartered ice-class vessel MV Vasily Golovnin by mid-January 2022.

3) The 41st expedition has two major programs. The first program encompasses geological exploration of the Amery ice shelf at Bharati station. This will help explore the link between India and Antarctica in the past. The second program involves reconnaissance surveys and preparatory work for drilling of 500 meters of ice core near Maitri. It will help in improving the understanding of Antarctic climate, westerly winds, sea-ice and greenhouse gases from a single climate archive for past 10,000 years. The ice core drilling will be done in collaboration with the British Antarctic Survey and the Norwegian Polar Institute. In addition to accomplishing scientific programs, it will replenish the annual supplies of food, fuel, provisions, and spares for operations and maintenance of life support systems at Maitri and Bharati.

3) The crew is expected to return to Cape Town in late March/early April of 2022, leaving a team of 48 members for over winter.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3
- (d) None of these

Ans: c

25) Consider the following :

1) The Indian Antarctic program, which began in 1981, has completed 40 scientific expeditions, and built three permanent research base stations in Antarctica, named Dakshin Gangotri (1983), Maitri (1988) and Bharati (2012).

2) As of today, Maitri and Bharati are fully operational.

3) The National Centre for Polar and Ocean Research (NCPOR), Goa—an autonomous institute under the Ministry of Earth Sciences—manages the entire Indian Antarctic program.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3
- (d) None of these

Ans: c

26) Consider the following:

1) Under the guidance of Union Minister of Power and New & Renewable Energy, the Ministry of Power and New & Renewable Energy have issued revised guidelines providing for thermal generation companies to set up renewable energy generation capacity either by themselves through developers by open bids and supplying it to the consumers under the existing PPAs.

2) This will enable the replacement of fossil fuel based energy by renewable energy under the existing PPAs. As the cost of renewable energy is less than the cost of Thermal energy, the gains from the

bundling of renewable energy with thermal will be shared between the generator and Distribution companies/other procurers on a 50:50 basis. As the renewable energy will be balanced with thermal energy, therefore, the DISCOMs will now not need to acquire any separate capacity for balancing of renewable energy.

3) This is a very significant step towards achieving the goal of 500 GW of non-fossil fuel capacity by 2030. Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3
- (d) None of these

Ans: c

27) Consider the following:

1) The Pochampally Village in Telangana State has been selected as one of the best Tourism Villages by the United Nations World Tourism Organisation (UNWTO).

2) The prestigious award will be given on the occasion of the 24th session of the UNWTO General Assembly on 2nd December 2021 in Madrid, Spain.

3) Pochampally is also known as Bhoodan Pochampally to commemorate the Bhoodan Movement that was launched by Acharya Vinobha Bhave from this village on April 18th, 1951. Currently a two room Vinobha Bhave Mandir exists within the village which was earlier the place where Vinobha Bhave resided during his visit to the village.

4) Ikat is a Malaysian, Indonesian word which means "Tie and Dye". Ikat involves the process of wrapping (or tying) and dyeing sections of bundled yarn to a predetermined colour pattern before they are woven. The dye penetrates into exposed sections while the wrapped section remains undyed. This pattern formed by the yarn in this process is woven into fabric.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3,4
- (d) None of these

Ans: c

28) Consider the following :

1) Birsa Munda was an iconic freedom fighter, social reformer and revered tribal leader of the country, who fought bravely against the exploitative system of the British colonial government, and became a legendary figure in his lifetime, often referred to as 'Bhagwan'.

2) He organized and led the tribal movement, giving a call for "Ulgulan" (Revolt) to the tribals.

3) He encouraged tribals to understand their cultural roots and observe unity.

4) The Government of India has declared 15th November as the 'Janjatiya Gaurav Divas' which also coincides with the 146th Birth Anniversary of Bhagwan Birsa Munda.

5) The Bhagwan Birsa Munda Tribal Freedom Fighter Museum has been built in association with the State Government of Jharkhand at the Old Central Jail location in Ranchi, where the legendary Birsa Munda had sacrificed his life.

Which of the statements given above is / are correct ?

- (a) 1 only

- (b) 2 only
- (c) 1,2,3,4,5
- (d) None of these

Ans: c

29) Consider the following :

- 1)The Prime Minister of India delivered the keynote at the inaugural Sydney Dialogue via video conferencing
- 2)The Prime Minister listed five important transitions taking place in India.
- 3) The world's most extensive public information infrastructure being built in India. Over 1.3 billion Indians have a unique digital identity, six hundred thousand villages will soon be connected with broadband and the world's most efficient payment infrastructure, the UPI.
- 4)Use of digital technology for governance, inclusion, empowerment, connectivity, delivery of benefits and welfare.
- 5) India has the world's third largest and fastest growing Startup Eco-system.
- 6) India's industry and services sectors, even agriculture, are undergoing massive digital transformation.
- 7) There is a large effort to prepare India for the future. "We are investing in developing indigenous capabilities in telecom technology such as 5G and 6G. India is one of the leading nations in artificial intelligence and machine learning, especially in human-centred and ethical use of artificial intelligence. We are developing strong capabilities in Cloud platforms and cloud computing",

Which of the statements given above is / are correct ?

- (a)1 only
- (b) 2 only
- (c) 1,2,3,4,5,6,7
- (d) None of these

Ans: c

30)Consider the following:

- 1)Mahatma Gandhi NREGS has always emphasized Natural Resource Management (NRM) based planning to enhance the livelihood and NRM resource base in rural areas.
- 2)The systematic development of land, harnessing of rainwater following watershed principles (Ridge to Valley Approach) and creation of income-generating assets has become important aspect of Mahatma Gandhi NREGS works.
- 3)The planning of works under Mahatma Gandhi NREGS are now carried out using advanced technologies viz. Geographical Information System (GIS) and Remote Sensing (RS).
- 4)Leveraged for this purpose is the much acclaimed 'Bhuvan' space technology solution from the National Remote Sensing Centre (NRSC) of the Indian Space Research Organisation (ISRO).
- 5)The GIS is a computer-based tool for mapping and analyzing the geographic terrain and offers scientific choices of development works suitable to the area. This technology integrates common database operations such as query and statistical analysis with the unique visualization and geographic analysis benefits offered by the maps.

Which of the statements given above is / are correct ?

- (a)1 only
- (b) 2 only
- (c) 1,2,3,4,5
- (d) None of these

Ans: c

31) Consider the following:

1) Government of India has enacted PESA in 1996 and Forest Rights Act in 2006, which are meant for empowering tribal communities.

2) PESA also been promulgated to recognize the role of the Gram Sabha and the community in these areas, mainly comprising tribal populations.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) Both 1, 2

(d) None of these

Ans: c

32) Consider the following :

1) With the launch of Swachh Bharat 2.0, the Government of India is geared to make cities garbage free.

2) Managing plastic waste better is critical to realise the goals of clean India.

3) Through the workshop our aim is to provide practical solutions to the ULB's to manage plastic waste more efficiently.

4) The decentralized model for plastic waste management detailed in the handbook has been adapted globally and has shown potential of plastic recycling.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3,4

(d) None of these

Ans: c

33) Consider the following :

1) The automobiles field contributes to about 14-15 per cent of GDP, which can go up to 25-30 per cent and can support the PM's vision for making India a USD 5 trillion economy.

2) The sale of electric vehicles has increased drastically in the last few months due to the various schemes and subsidies provided by the government

3) Advanced Chemical Cell (ACC), which is the main component of the EV battery, is currently imported and about 30 per cent of the cost of the EV is the cost of battery itself. He said that this can be reduced if it is locally produced.

4) It is further added that this is possible because about 70 per cent of the material used in the manufacturing of lithium-ion batteries is already available in India. "With these newly introduced PLI schemes, the government is providing support up to Rs 362 crore per gigawatt in this sector of EVs, government's FAME I and II (Faster Adoption and Manufacturing of Hybrid and Electric Vehicles) scheme, which has now been extended by another two years to March 31, 2024.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3,4

(d) None of these

Ans: c

34) Consider the following :

1) India, UK and Australia have formed an organization called IRIS (Infrastructure for Resilient Island States) in collaboration with small island countries like Fiji, Jamaica, Mauritius etc., and have decided to donate 10 million dollars together”.

2) About technology transfer, India will share timely information about cyclones, coral-reef monitoring, coast-line monitoring, etc. with these island countries with the help of ISRO’s satellites.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) Both 1, 2
- (d) None of these

Ans: c

35) Consider the following :

1) India with France, has initiated the International Solar Alliance (ISA) since 2015, which has an alliance of 102 countries.

2) US is the newest member of the alliance

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) Both 1, 2
- (d) None of these

Ans: c

36) Consider the following:

1) The National Clean Air Programme has been launched by the Centre as a as a long-term, time-bound, national level strategy to tackle the air pollution problem across the country in a comprehensive manner.

2) It aims to achieve 20% to 30% reduction in Particulate Matter concentrations by 2024 keeping 2017 as the base year.

3) Under NCAP, 132 non-attainment cities (NA Cities) have been identified across the country based on the Air Quality data from 2014-2018.

4) The NA cities list is a heterogeneous mix of cities of all sizes and types. Most major cities of Mumbai Metropolitan Region, Pune, Nagpur, Nashik, Aurangabad, Kolhapur etc figure in the NA cities list for poor air quality.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3,4
- (d) None of these

Ans: c

37) Consider the following:

1)The Ministry of Road Transport and Highways has recently launched the visionary Voluntary Vehicle-Fleet Modernisation Program (Vehicle Scrapping Policy).

2)This Policy is aimed at creating an ecosystem for phasing out old unsafe, polluting vehicles and replacing them with newer safe and fuel-efficient vehicles.

3)The Ministry has also notified the Registered Vehicle Scrapping Facility (RVSF) Rules to enable setting up of modern vehicle scrapping facilities in India which can recycle the vehicles in an environment friendly manner.

4)The existing vehicle dismantling and recycling industry in India is unorganized and recycling of older vehicles is not done in an environment-friendly manner. This not only leads to inefficient resource management, but also non-realisation of the full value of high-strength steel alloys and recovery of valuable rare-earth metals.

5)The existing ELV scrapping cycle has a low recovery percentage and many materials get wasted or are not properly recycled.

6)As per unofficial industry estimates, the recovery percentage in India is about 70-75%, while global benchmarks for recovery from scrapped vehicle are in the range of 85-95%.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3,4,5,6

(d) None of these

Ans: c

38) Consider the following :

1)The abnormal behaviour of this unnamed glacier clearly suggests that not only is climate a controlling factor, but tectonics also plays an important role in glacial catchments.

2)The recent disaster in Rishiganga is a latest example which suggests that the rock mass on which the glacier was sitting gradually became fragile (due to weathering, percolation of meltwater in joints, crevasses, freezing and thawing, snowfall, overloading, and gradually operating tectonic forces forcing rocks to mechanical disintegration) with due course of time and detached from the source rock.

3)It clearly suggests that the Himalaya is an active mountain range and highly fragile where tectonics and climate play a critical role.

4)It is observed that the 5 km long unnamed glacier, which covered around 4 km² area in Kuthi Yankti valley (Tributary of Kali River), has abruptly changed its main course. It moved, truncated, and ultimately merged with the adjacent glacier named Sumzurkchanki as a result of tectonic forcing during the time between Last Glacial Maxima (19-24 ka) and Holocene. It is one of the unique behaviours of the glacier, and no such observation has so far been reported on this type of glacier kinematics.

5)Indian researchers studying an unnamed glacier in one of the less explored region in the upper Kali Ganga valley, Pithoragarh district, Uttarakhand, India, have reported that the glacier had abruptly changed its main course. It is for the first time that such change in course has been reported from a Himalayan glacier, and the researchers have attributed this to the accumulated influence of both climate and tectonics.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3,4,5
- (d) None of these

Ans: c

39) Consider the following :

1) India's vision for the Indian Ocean encapsulated by the concept of SAGAR (Security and Growth for All in the Region) as articulated by Prime Minister .

2) The Raksha Mantri underlined that SAGAR has both distinct and inter-related elements such as deepening economic and security cooperation among the littoral states; enhancing capacities to safeguard land and maritime territories; working towards sustainable regional development; Blue Economy and promoting collective action to deal with non-traditional threats like natural disasters, piracy and terrorism.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) Both 1, 2
- (d) None of these

Ans: c

40) Consider the following:

1) India has made rapid strides towards enabling financial inclusion catalyzed by PMJDY and India stack.

2) However, credit penetration remains a public policy challenge, especially for the nation's 63 million odd MSMEs that contribute approx. 30 % to the Gross Domestic Product, about 45% to manufacturing output, more than 40% of exports, while creating employment for a significant section of the population, which in terms of volume stands next to agricultural sector.

3) This is hindering the development of a conducive business environment for expansion of the MSME sector.

4) Digital Bank Regulatory Index" comprising of 4 factors: **Entry barriers; Competition; Business Restrictions and Technological Neutrality** and maps the elements of these indices against the 5 benchmark jurisdictions of Singapore, Hong Kong, United Kingdom, Malaysia, Australia and South Korea.

5) The study paper also recommends a two-stage approach with a Digital Business Bank license to begin with a suggestion for Digital (Universal) Bank license after policymakers and regulators have gained experience from the former. Focus on avoiding any regulatory or policy arbitrage and giving a level playing field is an important recommendation.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3,4,5
- (d) None of these

Ans: c

41) Consider the following :

1)The River Cities Alliance can play a crucial role in connecting cities with their rivers, and that it can be a model for all cities in the Basin and beyond to emulate

2)The River Cities Alliance is a culmination of 3 years of efforts for river sensitive development of our cities.

3)The 30 member cities include Haridwar, Rishikesh, Kanpur, Ayodhya, Patna, Howrah, Ayodhya, Varanasi, Prayagraj, etc. from Ganga basin states and Aurangabad, Chennai, Hyderabad, Bhubaneshwar, Pune, Udaipur, Vijayawada, etc. from non-Ganga basin states.

4)The primary objective of RCA is to provide the member cities with a platform to discuss and exchange information on aspects that are vital for sustainable management of urban rivers such as minimizing their water footprint, reducing impacts on river and water bodies, capitalizing on natural, intangible, architectural heritage and associated services and develop self-sufficient, self-sustainable water resources through recycle, reuse strategy.

5)The Alliance cities will work towards adopting and localizing national policies and instruments with key river-related directions, prepare their Urban River Management Plans and develop city-specific sectoral strategies that are required for sustainable urban river management.

6)The Alliance gives opportunities to these cities to strengthen governance aspects for river cities and improves their liveability to attract external economic investments, access state of the art knowledge and frameworks as well as an opportunity to serve as the site for unique demonstration projects which will be implemented by NIUA and NMCG

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3,4,5,6

(d) None of these

Ans: c

42) Consider the following : Article in Constitution of India and its protection

1)Article 46 of the Constitution : provides that the State shall promote with special care the educational and economic interests of the weaker sections of the society and in particular, of the Scheduled Castes and Scheduled Tribes and shall protect them from social injustice and all forms of exploitation.

2)Reservation in educational institution has been provided in Article 15(4) while reservation in posts and services has been provided in Article 16(4), 16(4A) and 16(4B) of the Constitution.

3)Article 23 which prohibits traffic in human beings and beggar and other similar forms of forced labour has a special significance for Scheduled Tribes. In pursuance of this Article, Parliament has enacted the Bonded Labour System (Abolition) Act, 1976. Similarly, Article 24 which prohibits employment of Children below the age of 14 years in any factory or mine or in any other hazardous activity is also significant for Scheduled Tribes .

4)Article 243D provides reservation of Seats for Scheduled Tribes in Panchayats.

5)Article 330 provides reservation of seats for Scheduled Tribes in the House of the People.

6) Article 332 provides reservation of seats for Scheduled Tribes in Legislative Assemblies of the States.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3,4,5,6
- (d) None of these

Ans: c

43) Consider the following :

1) Article 334 provides that reservation of seats for Scheduled Castes and Scheduled Tribes in the Lok Sabha and the State Vidhan Sabhas (and the representation of the Anglo-Indian Community in the Lok Sabha and the State Vidhan Sabhas by nomination) would continue up to January, 2020.

2) Other specific safeguards have been provided in Article 244 read with the provisions contained in Fifth and Sixth Schedule to the Constitution.

3) For protecting the rights of Forest dwellers, in 2006, The Scheduled Tribes and other Traditional Forest dwellers (recognition of Forest Rights) Act, 2006 (FRA) was enacted. FRA Act, administered by Ministry of Tribal Affairs (MoTA) recognizes rights of tribals residing in forests for generations but whose rights could not be recorded. It provides for a framework for recording the forest rights so vested and the nature of evidence required for such recognition and vesting in respect of forest land. The Act came into operation with the notification of Rules on 01.01.2008 for carrying out the provisions of the Act. From May, 2014 till Aug, 2021; 5,03,709 claims (Individual – 4,36,644 claims and Community – 67,065 claims) were received and 5,65,515 titles (Individual – 5,11,681 titles and Community – 53,834 titles) have been distributed.

4) The Panchayat (Extension of the Scheduled Areas) Act, 1996 (PESA) was enacted by the Centre to ensure self-governance through Gram Sabhas (village assemblies) for people living in scheduled areas. PESA Act is administered by Ministry of Panchayati Raj (MoPR), Govt. of India. It legally recognizes the right of tribal communities, residents of the scheduled areas, to govern themselves through their own systems of self-government, and also acknowledges their traditional rights over natural resources. In pursuance of this objective, PESA empowers Gram Sabhas to play a key role in approving development plans and controlling all social sectors.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3,4
- (d) None of these

Ans: c

44) Consider the following:

1) Kushinagar is an international Buddhist pilgrimage centre.

2) Here Lord Gautam Buddha attained Mahaparinirvana.

3) This region is also the **centre point of the Buddhist circuit, which consists of pilgrimage sites at Lumbini, Sarnath and Gaya.**

4) The operationalization of the Kushinagar airport will connect this region directly with national and global visitors and pilgrims.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3,4
- (d) None of these

Ans: c

45) Consider the following :

1) NITI Aayog is the nodal Ministry for the Multidimensional Poverty Index (MPI).

2) According to Global MPI 2021, India's rank is 66 out of 109 countries.

3) The National MPI Project is aimed at deconstructing the Global MPI and creating a globally aligned and yet customised India MPI for drawing up comprehensive Reform Action Plans with the larger goal of improving India's position in the Global MPI rankings.

4) A country's performance is being monitored across 29 global indices including Human Development Index (HDI), Global Hunger Index (GHI), Global Competitiveness Index (GCI), Human Capital Index (HCI), Global Innovation Index (GII), among others

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3,4
- (d) None of these

Ans: c

46) Consider the following :

1) During the global Covid-19 pandemic, the Government of India has undertaken the Vande Bharat Mission to repatriate Indian nationals and also to facilitate travel of passengers between India and various parts of the world.

2) As on 31.10.2021, more than 2,17,000 flights have been operated under Vande Bharat Mission and over 1.83 crore passengers have been facilitated.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) Both 1, 2
- (d) None of these

Ans: c

47) Consider the following :

In order to promote sustainable mining and minimize the adverse footprints of mining on native environment, coal/lignite CPSUs under Ministry of Coal (MoC) have been taking various green initiatives:

- 1) Biological reclamation of mined out land and overburden dumps,
- 2) Avenue plantation along coal transportation and other roads
- 3) Creation of green belt around infrastructures, sidings and other industrial installations to reduce air pollution.
- 4) Plantation around mine boundary and residential colony for noise attenuation.
- 5) Plantation on free land parcels within and outside mine leasehold
- 6) Distribution of saplings to people for participatory plantation programme.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1,2,3,4,5,6
- (d) None of these

Ans: c

48) Consider the following :

1) The Department of School Education and Literacy launched the National Mission on Foundational Literacy and Numeracy called National Initiative for Proficiency in Reading with Understanding and Numeracy (NIPUN Bharat) on 5th July 2021 under the aegis of Centrally Sponsored Scheme of Samagra Shiksha.

2) The mission aims to achieve universal foundational literacy and numeracy in primary classes. The Mission Guidelines lays down priorities and actionable agendas for States and UTs to achieve the goal of proficiency in foundational literacy and numeracy for every child by grade 3. Detailed guidelines for the mission have been developed which includes the codification of development goals and learning outcomes for age 3 to 9 years and Lakshya or Targets for Foundational Literacy and Numeracy starting from Balvatikato Grade III.

Which of the statements given above is / are correct ?

- (a) 1 only
- (b) 2 only
- (c) Both 1, 2
- (d) None of these

Ans: c

49) Consider the following :

1) The International Financial Services Centres Authority (IFSCA), headquartered at GIFT City, Gandhinagar Gujarat, has been established under the International Financial Services Centres Authority Act, 2019.

2) It works as a unified authority for the development and regulation of financial products, financial services and financial institutions in the International Financial Services Centre (IFSC) in India.

3) At present, the GIFT IFSC is the maiden international financial services centre in India.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3

(d) None of these

Ans: c

50) Consider the following:

1) Annual edible oilseeds viz; soybean, rapeseed and mustard, groundnut, sesame, sunflower, safflower and niger are also grown in the country. Potential districts for these crops have been identified on the basis of land suitability and average yield.

2) During the year 2020-21, India imported 133.5 lakh tonnes of edible oil, out of which the share of palm oil was around 56 %.

3) The **National Mission on Edible Oils - Oil Palm (NMEO-OP)** has been launched with the aim to augment the availability of edible oil in the country by harnessing area expansion, increasing crude palm oil production with the aim to reduce the import burden.

4) The salient features of NMEO-Oil palm include assistance for planting material, inputs for intercropping upto gestation period of 4 years and for maintenance, establishment of seed gardens, nurseries, micro irrigation, bore well/pumpset/water harvesting structure, vermi compost units, solar pumps, harvesting tools, custom hiring centre cum harvester Groups, farmers and officers training, and for replanting of old oil palm gardens etc.

Which of the statements given above is / are correct ?

(a) 1 only

(b) 2 only

(c) 1,2,3,4

(d) None of these

Ans: c