



1 Consider the following statements about India's forex reserves.

1. Foreign exchange reserves of India are RBI's holdings of cash, bank deposits, bonds, and other financial assets denominated in currencies other than India's national currency.
2. RBI can trade India's forex reserves in the market to cut down the fluctuation of Indian currency in the international market
3. The forex reserves help India maintain liquidity in case of a Balance of Payments (BoP) crisis.
4. RBI incurs no opportunity cost in maintaining or expanding the forex reserves.

◦ Select the correct answer using the codes below.

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

2 The government has recently banned imports of petcoke, apart from certain exemptions, on account of

1. Diversion of petcoke for non-industrial purpose
2. Rising pollution levels in major cities
3. Indiscriminate use of petcoke by cement companies

◦ Which of the above is/are correct?

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

3 Consider the following statements. The Directive principles can lead to a constitutional conflict between

1. The President and the Parliament because the President is not obliged to sign an ordinary law sent by the Parliament which violates the Directive principles
2. Centre and the states if the latter tries to implement directive principles via executive schemes and programmes because states cannot implement directive principles

◦ Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

4 Which of the following are related to Milankovitch oscillations of earth?

1. Shape of the Earth's orbit around the Sun
2. Glaciation cycles on earth

◦ Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None



5 Consider the following about the Trade Receivables Discounting System (TReDS).

1. A primary objective of the TReDS is to increase access to fresh sources of funding for the MSMEs from domestic and foreign corporate.
2. TReDS would facilitate e-marketing for MSME products in India and abroad by improving the supply chain and last-mile product risk management.

◦ Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

6 Which of the following is considered absolutely morally corrupted by the ideology of Pacifism?

1. Any form of coercion or violence to achieve good ends
2. Raising and maintaining armed forces on one's soil

◦ Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

7 Consider the following statements.

1. In the Champakam Dorairajan case (1951), the Supreme Court ruled that in case of any conflict between the Fundamental Rights and the Directive Principles, the latter would prevail.
2. In the Golaknath case (1967). In that case, the Supreme Court ruled that the Parliament cannot take away or abridge any of the Fundamental Rights, even for the implementation of the Directive principles, which are 'sacrosanct' in nature.

◦ Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

8 Which of these is NOT typical of Western version of Secularism?

- A. The state does not usually aid any religious institution.
- B. The state does not hinder the activities of religious communities, as long as they are within the broad limits set by the law of the land.
- C. No policy of the state can have an exclusively religious rationale.
- D. The state does not stop any kind of discrimination meted by a member of a religious community to other citizens of the state.

9 If Nation A grants Nation B the status of "Most favoured Nation (MFN)", then

1. Both nations will be bound to allow free movement of labour and capital between them.
2. Nation A will be bound to reduce all tariffs to zero on goods imported from Nation B.



- Which of the above is/are correct?
 - A. 1 only
 - B. 2 only
 - C. Both 1 and 2
 - D. None

10 With reference to the Kanyashree scheme of the West Bengal government, consider the following statements.

1. It is a conditional cash transfer scheme aiming at improving the status and well being of the girl child.
2. It aims at reduction in child marriage.
3. It received the United Nations Public Service Award in 2017.

- Select the correct answer using the codes below.
 - A. 1 only
 - B. 2 and 3 only
 - C. 1 and 3 only
 - D. 1, 2 and 3

11 With reference to Laboratory for the Conservation of Endangered Species (LaCONES), consider the following statements.

1. It is India's only research facility engaged in conservation and preservation of wildlife and its resources.
2. LaCONES has developed universal DNA based marker for identification of wild animals from parts and remains.

- Which of the above is/are correct?
 - A. 1 only
 - B. 2 only
 - C. Both 1 and 2
 - D. None

12 Consider the following statements.

1. Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS) between all the member nations of the WTO sets down minimum standards for the regulation by national governments of many forms of intellectual property (IP).
2. Agreement on Trade-Related Investment Measures (TRIMs) are rules that restrict preference of domestic firms and thereby enable international firms to operate more easily within foreign markets.

- Which of the above is/are correct?
 - A. 1 only
 - B. 2 only
 - C. Both 1 and 2
 - D. None

13 Geotrophic winds are generated when these two forces are balanced with each other:

- A. Frictional force and pressure gradient force



- B. Horizontal shear force and pressure gradient force
- C. Pressure gradient force and coriolis force
- D. Coriolis force and horizontal shear force

14 Which of these is/are the advantages of the Zero-tillage system?

- 1. No nitrogen needs to be applied to the soil.
- 2. Mineralization of the soil increases significantly improving soil productivity.
- 3. Surface runoff is reduced due to presence of mulch.

◦ Select the correct answer using the codes below.

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

15 The Lok Sabha has passed the Arbitration and Conciliation (Amendment) Bill, 2018. Consider the following about it.

- 1. The Act contains provisions to deal with domestic and international arbitration.
- 2. The Bill seeks to establish an independent body called the Arbitration Council of India (ACI) for the promotion of arbitration.
- 3. Under the Bill, the judiciary is now prohibited from designating arbitral institutions for the appointment of arbitrators, which was allowed in the Arbitration and Conciliation Act, 1996.

◦ Select the correct answer using the codes below.

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1 and 2 only

16 The world's largest 3-D printed reef has been submerged at Summer Island Maldives. The purpose of doing so was primarily

- A. To promote tourism in the region
- B. To help coral reefs survive climate change
- C. To fight invasive seaweed species
- D. To improve coastal management

17 Consider the following statements.

Assertion (A): Volcanism can induce long-term climate change.

Reason (R): Volcanic eruption injects considerable amount of ash in the atmosphere.

◦ In the context of the above, which of these is correct?

- A. A is correct, and R is an appropriate explanation of A.
- B. A is correct, but R is not an appropriate explanation of A.
- C. A is correct, but R is incorrect.
- D. Both A and R are incorrect.

18 Two nations at "Purchasing Power Parity" are likely to have

- 1. Equal currency value in International market



2. Equal Forex reserves
3. Equal national income when measured in a common currency

◦ Select the correct answer using the codes below.

- A. 1 and 2 only
- B. 3 only
- C. 1 and 3 only
- D. 2 and 3 only

19 Which of these technologies is at the core of Google's Project Navlekha?

- A. Geographical Information System
- B. Artificial Intelligence
- C. Nano-technology
- D. Self-combustion Engines

20 National Clean Air Program has which of the following objectives/strategies?

1. Augmentation of existing air quality monitoring network by increasing number of existing manual and continuous monitoring stations
2. Introducing rural monitoring stations and identifying alternative technology for real-time monitoring network in existing monitoring air-quality monitoring stations

◦ Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

21 Wolbachia, which was recently in news, is

- A. One of the world's rarest parasitic microbes
- B. One of the rarest reproductive parasite in the biosphere
- C. Both (a) and (b)
- D. None

22 Which of these ideals or values can be found both in Directive Principles and Fundamental Duties?

1. Conservation of environment
2. Promoting harmony and the spirit of fraternity
3. Cherishing and upholding noble ideals that inspired the national struggle for freedom

◦ Select the correct answer using the codes below.

- A. 1 only
- B. 1 and 2 only
- C. 2 and 3 only
- D. 1 and 3 only

23 Election Commission of India (ECI) will be using Braille-enabled signboards for the first time in by-elections conducted in which of these states?



- A. West Bengal
- B. Maharashtra
- C. Gujarat
- D. Andhra Pradesh

24 The doctrine of Anatta in Buddhism means that

1. There is no permanent and independent essence in a human being
2. The sense of self as perceived by beings is illusory

◦ Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

25 The Directive Principles are non-justiciable in nature. This implies that

1. They cannot be legally enforceable by the courts or the governments.
2. Their amendment can be done by a simple majority in the Parliament because they do not form a substantive part of the constitution.

◦ Select the correct answer using the codes below.

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

26 The Ease of Living Index was recently published by

- A. Ministry of Finance
- B. Ministry of Social Justice and Empowerment
- C. Ministry of Rural Development
- D. Ministry of Housing and Urban Affairs

27 Which of these are Maharatna Central Public Sector Undertakings (CPSEs)?

1. Hindustan Aeronautics Limited
2. Shipping Corporation of India Limited
3. Bharat Heavy Electricals Limited
4. Power Grid Corporation of India Limited
5. Steel Authority of India Limited

◦ Select the correct answer using the codes below.

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

28 With reference to India, consider the following statements.

1. Methane was the largest contributor to greenhouse gas emissions by volume in India.
2. Energy sector contributes the most to greenhouse gas emissions in India.



- Which of the above is/are correct?
 - A. 1 only
 - B. 2 only
 - C. Both 1 and 2
 - D. None

29 The Uighurs are a Muslim ethnic minority mostly based in

- A. China's Xinjiang province
- B. Western Afghanistan
- C. Close to international borders of Punjab, India
- D. Central Myanmar

30 Consider the following statements.

1. The Giant Metrewave Radio Telescope (GMRT) is an array of several steerable parabolic radio telescopes observing at metre wavelengths.
2. Radio galaxies are colossal galaxies with are at equidistant from two supermassive black holes and are usually devoid of inert gases.

- Which of the above is/are correct?
 - A. 1 only
 - B. 2 only
 - C. Both 1 and 2
 - D. None

31 In WTO terminology, subsidies in general are identified by "boxes" which are given the colours of traffic lights. Consider the following about it.

1. Most domestic support measures considered to distort production and trade fall into the amber box.
2. Green box subsidies are allowed even if they distort trade.
3. At present there are no limits on spending on blue box subsidies.

- Select the correct answer using the codes below.
 - A. 1 and 2 only
 - B. 2 and 3 only
 - C. 1 and 3 only
 - D. 1, 2 and 3

32 Which of the following is vital for a country to reap its demographic dividend?

- A. Withdrawing food and energy subsidies given to poor citizens
- B. Investing in Universal Health Care (UHC) systems
- C. Inviting Foreign Institutional Investment (FII)
- D. Operating as a Command Economy

33 Strait of Malacca is a waterway

1. Connecting the Andaman Sea in the Indian Ocean and the South China Sea
2. Running between the Malay Peninsula and Sumatran Island in Indonesia

- Which of the above is/are correct?



- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

34 With reference to 'Parens patriae' doctrine, in news recently, consider the following statements.

1. The doctrine grants the court inherent power and authority to act as guardian for those who are unable to take care for themselves.
2. The Supreme Court has never taken cognizance of the doctrine of Parens Patriae.

◦ Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

35 If you draw a line between Vladivostok and Macau on a map, which of these will lie on the right hand side (east) of the line?

1. Sparty Islands
2. Paracel Islands
3. Phillipines Sea

◦ Select the correct answer using the codes below.

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

36 Genetic Engineering can be used to modify

1. Plant cells
2. Animals cells
3. Microorganisms including Virus

◦ Select the correct answer using the codes below.

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

37 Nanoflares are related to

- A. Hazards of developments of nanotechnology
- B. Corona of the Sun
- C. Nano coating used in Anti UV glasses
- D. Bouncing back of the Solar insolation

38 Fragile Five was a term coined in August of 2013 by a research analyst at Morgan Stanley to represent emerging market economies that have become too dependent on unreliable foreign investment to finance their growth ambitions. It does NOT include which of these countries?



- A. India
- B. China
- C. Brazil
- D. South Africa

39 Consider the following statements about various organizations dealing with statistics in India.

1. NSSO is an organisation under the Ministry of Statistics, Planning and Programme Implementation.
2. National Statistical Commission (NSC) was setup on the recommendations of the Rangarajan Commission.
3. Central Statistical Office (CSO) conducts Annual Survey of Industries.

◦ Select the correct answer using the codes below.

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

40 Consider the following statements about cyber security.

1. A virus is a program that can infect other programs by modifying them to include a possible evolved copy of itself.
2. A network worm can make copies of itself throughout a network disrupting an entire network.
3. Trojan horse is a program that generally impairs the security of a system as the program is self-replicating.
4. Spyware invades a computer and monitors a user's activities without consent.

◦ Select the correct answer using the codes below.

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

41 The Great Barrier Reef is the largest living thing on Earth and even visible from outer space. It is located

- A. At Solomon Islands
- B. Off the coast of Queensland in Northeastern Australia
- C. Near Timor Sea in Southern Australia
- D. South of Kimberley Plateau

42 The Economist Intelligence Unit (EIU), which has released the Global Liveability Index 2018 ranking global cities based on their living conditions, is affiliated to which of these famous parent organizations?

- A. World Economic Forum
- B. Financial Action Task Force
- C. The Economist Group
- D. World Bank



43 Consider the following statements.

Assertion (A): Most living organisms can only make use of reactive nitrogen, and not the diatomic nitrogen present in the atmosphere.

Reason (R): Breaking the triple bond holding the two nitrogen atoms together requires a large amount of energy which can be mustered only by select microorganisms or processes.

- In the context of the above, which of these is correct?
 - A. A is correct, and R is an appropriate explanation of A.
 - B. A is correct, but R is not an appropriate explanation of A.
 - C. A is correct, but R is incorrect.
 - D. Both A and R are incorrect.

44 Which of these tribes can be found in the Eastern Himalayan region?

1. Rabhas
2. Hajongs
3. Khamti
4. Chakmas

- Select the correct answer using the codes below.
 - A. 1, 2 and 3 only
 - B. 3 and 4 only
 - C. 1 and 2 only
 - D. 1, 2, 3 and 4

45 Consider the following statements.

Prompt Corrective Action (PCA) framework

1. Is applicable only to private sector banks
2. Allows RBI to supersede a bank's board
3. Can cap a bank's lending limit to a single entity or single sector

- Select the correct answer using the codes below.
 - A. 1 only
 - B. 2 and 3 only
 - C. 1 and 3 only
 - D. 1, 2 and 3

46 Fall Armyworm (FAW), which can cause significant damage to crops, was recently in news. Consider the following statements about it.

1. This insect is native to tropical and subtropical regions of Asia, including India.
2. FAO has proposed a five-year programme of action to help smallholder farmers cope with FAW infestation of their farms.

- Which of the above is/are correct?
 - A. 1 only
 - B. 2 only
 - C. Both 1 and 2
 - D. None

47 Which of these are Directive principles explicitly provided for in the constitution?



1. To secure the right to adequate means of livelihood for all citizens
2. To establish a socialistic model of economy
3. Prevention of concentration of wealth and means of production
4. To promote equal justice and to provide free legal aid to the poor

◦ Select the correct answer using the codes below.

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

48 Consider the following about markers on vehicles.

1. Green number plate on vehicles depict that they are eco-friendly and indigenously manufactured.
2. Coloured holograms will be introduced on vehicles soon to help depict the polluting potential of a vehicle.

◦ Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

49 Which of these is/are non-tariff barrier(s) to international trade?

1. Import quotas
2. Rules of origin
3. Phytosanitary standards

◦ Select the correct answer using the codes below.

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

50 A nation's Balance of Payments (BoP) is NOT affected by which of the following?

- A. Foreign Investment Received
- B. Demand for currency abroad
- C. Remittance received by the residents
- D. It is affected by all of the above

51 The Directive Principles resemble the 'Instrument of Instructions' enumerated in the

- A. Nehru Report, 1928
- B. Morley Minto Act 1909
- C. Objectives Resolution, 1946
- D. Government of India Act of 1935

52 The Agulhas current acts as an oceanic convergence zone. This zone has higher primary productivity than surrounding waters. This is because



1. The zone is a meeting point of all major ocean currents of the Indian Ocean.
 2. There is upwelling of cold ocean water from the lower layers of the ocean.
- Which of the above is/are correct?
- A. 1 only
 - B. 2 only
 - C. Both 1 and 2
 - D. None
- 53** In a commendable feat, scientists last week announced the sequencing of sugarcane genome. Why is this step so significant?
1. Sugarcane is a C4 plant and is considered one of the most efficient biomass producer of all cultivated crops.
 2. These insights into sugarcane genome can help develop new molecular screening techniques that could hasten field trials of newer varieties.
- Which of the above is/are correct?
- A. 1 only
 - B. 2 only
 - C. Both 1 and 2
 - D. None
- 54** Which of these bodies are not bound by the procedure laid down under the Code of Civil Procedure, but guided by principles of natural justice?
1. Central Administrative Tribunal
 2. National Green Tribunal
 3. National Human Rights Commission
 4. National Commission for Scheduled Castes
- Select the correct answer using the codes below.
- A. 2 and 3 only
 - B. 2, 3 and 4 only
 - C. 1, 2, 3 and 4
 - D. 1 and 4 only
- 55** The 97th Constitutional Amendment Act of 2011 is related to
- A. Empowering the Governor of Karnataka to take steps to develop the Hyderabad-Karnataka Region
 - B. Exchange of certain enclave territories with Bangladesh
 - C. Extension of reservation of seats for SCs and STs in the Lok Sabha and states assemblies
 - D. Governance of co-operative societies
- 56** Which of these Foreign Institutional Investors (FII) are allowed to invest in Indian markets?
1. Merchant bankers
 2. Mutual funds
 3. Pension funds
- Select the correct answer using the codes below.



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

57 Consider the following statements.

1. In Strategic disinvestment, significant proportion of a Public Sector Unit's (PSU) share and the management control goes to a private sector which is as strategic partner.
 2. DIPAM is the nodal agency of Union Finance Ministry mandated to advise the Union Government in the matters of financial restructuring of PSUs and also for attracting investment through capital markets
- Which of the above is/are correct?
 - A. 1 only
 - B. 2 only
 - C. Both 1 and 2
 - D. None

58 The project O-SMART, as recently approved by the Cabinet Committee on Economic Affairs, has a bearing on

1. Sustainable exploitation of marine resources
 2. Disaster management
 3. Welfare of coastal fishing communities
- Select the correct answer using the codes below.
 - A. 1 only
 - B. 2 and 3 only
 - C. 1 and 3 only
 - D. 1, 2 and 3

59 Which of these features have been considered a part of the 'basic structure' of Constitution by the Supreme Court in its various judgments?

1. Free and fair elections
 2. Effective access to Justice
 3. Principle of equality
 4. Supremacy of the Constitution
- Select the correct answer using the codes below.
 - A. 1 and 2 only
 - B. 1, 3 and 4 only
 - C. 2 and 4 only
 - D. 1, 2, 3 and 4

60 The "Full Faith and Credit" clause under the Constitution implies that

1. Public acts, records and judicial proceedings of the Centre and every state will be considered as authentic and credible throughout India.
2. All final judgements and orders of civil and criminal courts in any part of India are capable of execution anywhere within India.



- Which of the above is/are correct?
 - A. 1 only
 - B. 2 only
 - C. Both 1 and 2
 - D. None

61 'Constitutional Emergency', as popularly known, is a situation when

- A. External aggression or armed rebellion has been declared against the State of India
- B. Constitutional machinery in the state(s) of India has failed
- C. Council of Ministers is dissolved without the possibility of formation of another government
- D. Any of the above occurs

62 The direction of wind around a low pressure in northern hemisphere is

- A. Clockwise
- B. Perpendicular to isobars
- C. Anti-clock wise
- D. Parallel to isobars

63 Uruguay round is often related with the founding of which of these international organizations?

- A. World Bank
- B. WTO
- C. International Monetary Fund
- D. World Economic Forum

64 The Indian model of Secularism would stand violated if

1. The state participates in religious reforms.
2. The state supports or facilitates religious activities.

- Which of the above is/are correct?
 - A. 1 only
 - B. 2 only
 - C. Both 1 and 2
 - D. None

65 Consider the following about Gandhian ideas of non-violence or Ahimsa.

1. Non-violence meant not just refraining from causing physical or mental harm to someone but also the thought of harming someone.
2. The practice of non-violence is not a practice of passive spiritualism but that of conscious compassion.

- Which of the above is/are correct?
 - A. 1 only
 - B. 2 only
 - C. Both 1 and 2
 - D. None



66 Which of the following is the major distinguishing characteristic between Foreign Direct Investment (FDI) and Foreign Institutional Investment (FII)?

- A. Extent or quantum of investment in a firm
- B. Source of investment
- C. Registration with SEBI
- D. Institutional vs non-institutional investment

67 Consider the following about the famous “Objectives Resolution” proposed by Jawahar Lal Nehru.

1. It was proposed to the Constituent Assembly of India before the enactment of the Constitution.
2. It contained clear provisions to abolish Privy Purse from India.
3. It became the basis for adding the words “Socialist” and “Secular” to the Constitution in 1950.

◦ Select the correct answer using the codes below.

- A. 1 only
- B. 2 and 3 only
- C. 3 only
- D. None of the above

68 With reference to the Swadesh Darshan Scheme, consider the following statements.

1. The scheme is 100% centrally funded for the project components undertaken for public funding.
2. It aims to leverage the voluntary funding available for Corporate Social Responsibility (CSR) initiatives of Central Public Sector Undertakings and corporate sector.

◦ Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

69 Consider the following statements.

1. The passage of extra tropical cyclone related fronts causes abrupt changes in the weather conditions over the area in the middle and high latitudes.
2. Extra tropical cyclones do not form along the polar front due to the stable and low temperature.

◦ Select the correct answer using the codes below.

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

70 Which of these signify the difference between direct and indirect democracy?

- A. The former is representative whereas as the latter is not representative of people.
- B. Rule of law is a key feature of direct but not indirect democracy.
- C. Direct democracy operates through an elected government whereas anarchy and complete decentralization is a core principle of indirect democracy.
- D. Major decisions are taken by elected governments in a direct democracy whereas people



choose their representative in an indirect democracy who take major decisions.

71 Which of the following forest types is common to Andaman and Nicobar Islands, parts of North-Eastern states and a narrow strip of the Western slope of the Western Ghats?

- A. Mangrove forests
- B. Temperate forests
- C. Tropical moist forests
- D. Coral forests

72 Special safeguard mechanism (SSM) of the WTO has an important bearing on which of these sectors of the Indian economy?

- A. Manufacturing
- B. Information Technology
- C. Agriculture
- D. Pharmaceuticals

73 Consider the naming of tropical cyclones in various parts of the world.
#5218

- 1. Willy-willies: Western Australia
- 2. Typhoons: South China Sea
- 3. Hurricanes: Atlantic Ocean

◦ Select the correct answer using the codes below.

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

74 If body weight of a person is given, his Body Mass Index (BMI) value can reveal his

- A. Height
- B. Age
- C. Nutritional Status
- D. Both (a) and (b)

75 Consider the following statements.

- 1. Solar winds are a flow of ionized gases from the sun that streams past Earth at speeds nearly close to that of light.
- 2. Disturbances in the solar wind shake Earth's magnetic field and pump energy into the radiation belts.
- 3. Space weather can change the orbits of satellites and even shorten their lifetimes.

◦ Select the correct answer using the codes below.

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 2 only



76 Consider the following about the Mahatma Gandhi National Rural Employment Guarantee Act, 2005 (MGNREGA).

1. The Village Panchayat issues job cards to every registered individual.
2. The cost of the scheme is shared between the Centre and the States.
3. Rural construction projects are generally handed over to private contractors who are made responsible to the Gram Panchayat.

◦ Select the correct answer using the codes below.

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

77 The classification of Organised and unorganized sector in India is mainly based on

- A. Employment conditions
- B. Working duration of the firm
- C. Gross output of the firm
- D. Net profits of the firm after paying taxes

78 Consider the following about National Initiative on Climate Resilient Agriculture (NICRA).

1. It is a joint project of World Bank and FAO in India.
2. It aims to demonstrate site specific technologies on farmer's fields for adapting to current climate risks.
3. It works towards the capacity building of scientists in climate resilient agricultural research and its application.

◦ Select the correct answer using the codes below.

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

79 Consider the following terminologies used in Medieval India and its depiction.

1. Parwana was an order issued by higher authorities.
2. Siyaha huzur was proceedings of the provincial court.
3. Andarz-o-chihra were documents on personnel and horses.
4. Roznamcha-i-waqai was daily news report.

◦ Select the correct answer using the codes below.

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

80 Consider the following about Earth Summit.

1. It was convened for the first time in 1972 after the publication of the "Limits to Growth Thesis".
2. It is convened each year to address urgent environmental protection and socio-economic



development at the global level.

◦ Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

81 The Mahadayi Water Disputes Tribunal has been hearing the tussle over sharing of the Mahadayi or Mandovi river between

- A. Goa, Karnataka and Maharashtra
- B. Karnataka, Tamil Nadu and Kerala
- C. Kerala, Maharashtra and Andhra Pradesh
- D. Goa, Andhra Pradesh and Kerala

82 Arrange these physical features of Asia from North to South.

- 1. Kunlun Shan Mountains
- 2. Gobi Desert
- 3. Arakan mountains

◦ Select the correct answer using the codes below.

- A. 231
- B. 132
- C. 123
- D. 213

83 Gross Domestic Product of India is

- A. Total capital investment made in the country within an year
- B. Total value of goods and services produced by its nationals
- C. Total consumption expenditure of all residents of India
- D. None of the above

84 Consider the following statements about Aerogels.

- 1. They are some of the densest and lightest aerosols.
- 2. It is often called blue smoke owing to its translucent nature and the way light scatters in the material.
- 3. Carbon nanotubes and Metals can be used in the manufacturing of aerogels.

◦ Select the correct answer using the codes below.

- A. 1 only
- B. 1 and 2 only
- C. 2 and 3 only
- D. 3 only

85 Which of the following neighbouring countries performs better in terms of Human Development Index (HDI) than India?

- 1. Bangladesh



2. Sri Lanka
3. Nepal
4. Pakistan

◦ Select the correct answer using the codes below.

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

86 Despite India being the largest producer of Pulses in the World, India imports Pulses to meet domestic demand. Why India can't produce enough to meet domestic demand?

1. Pulses are one-season crop and thus can be grown only in Rabi season which severely reduces availability in other seasons.
2. Pulses require intensive irrigation facilities and heavy rainfall, which are not fulfilled due to shortage of Monsoon rainfall and irrigation bottlenecks.

◦ Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

87 Consider the following statements.

1. Water and oil molecules are not attracted to each other because water is polar and oil is nonpolar in nature.
2. The lower are the Total Polar Compounds (TPC) in cooking oil higher is the risk of health issues like hypertension and liver diseases upon consuming them.
3. FSSAI has recently launched RUCO (Repurpose Used Cooking Oil) to enable collection and conversion of used cooking oil to bio-diesel.

◦ Select the correct answer using the codes below.

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 3 only

88 Which of the following countries are member(s) of G-20?

1. Australia
2. Saudi Arabia
3. Canada
4. China
5. Japan

◦ Select the correct answer using the codes below.

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



D. 1, 2, 3, 4 and 5

89 South Korea lies between

- A. Yellow Sea and Sea of Japan
- B. Sea of Japan and Pacific Ocean
- C. Korean Strait and Bungo channel
- D. South China Sea and Pacific Ocean

90 Which of the following is NOT an example of a trade barrier?

- A. Allowing only a fixed amount of commodities to be exported or imported irrespective of supply-demand situations
- B. Capping foreign direct investment in sensitive sectors
- C. Imposing unreasonable standards on quality of imports
- D. Tax on imports

91 Kutiyattam is a traditional performing artform in the state of

- A. Tamil Nadu
- B. Andhra Pradesh
- C. Kerala
- D. Telangana

92 Lack of "Internal democracy" within political parties implies

- 1. Concentration of power at the top in the party
- 2. Provincial decentralization of the party

◦ Which of the above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. None

93 The following were in news for some time. Consider their matches with what they are associated with.

- 1. Tiangong-2 : World's fastest Supercomputer
- 2. Cassini-Huygens : NASA's Spacecraft to study Saturn
- 3. NASA's New Horizons : Interplanetary space probe
- 4. NASA's Odyssey : Exploration of Jupiter

◦ Select the correct answer using the codes below.

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

94 The Roaring Forties are



- A. Strong westerly winds found in the Southern Hemisphere
- B. Feeble easterly winds found in the Northern Hemisphere
- C. Thunderstorms often found near the equator
- D. Equatorial counter-currents that move near the eastern coastal shores in lower latitudes

95 In order to promote 'millets', India has recently notified these climate resilient crops as "Nutri-Cereals" and allowed its inclusion in the Public Distribution System (PDS) for improving nutritional support. This category of "Nutri-Cereals" include

- 1. Bajra
- 2. Ragi
- 3. Kakun
- 4. Kuttu

◦ Select the correct answer using the codes below.

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

96 In India, the largest contributor to energy generation is

- A. Coal-based power plants
- B. Nuclear plants
- C. Natural gas based plants
- D. Hydel power plants

97 The objective of the Rotterdam Convention is to promote shared responsibility and cooperative efforts among Parties in the international trade of

- A. Hazardous chemicals
- B. Rare species
- C. Environmental antiques
- D. Carbon credit

98 What do you understand by the Dual nature of light?

- A. Light is both a wave and a particle.
- B. Light cannot travel on two paths at the same time.
- C. Light travels without being refracted through a transparent medium.
- D. Light can exhibit wavelengths from both ends of the electromagnetic spectrum.

99 The Namami Gange Scheme builds over the older Ganga Action Plan. The stated objective(s) of the Ganga Action Plan was to

- A. Restore the river water quality to the 'Bathing Class' standard
- B. Restoring the river water quality to the 'Drinking Class' standard
- C. Bring the major distributaries to 'Industrial Class' Standard
- D. Bring the major tributaries to 'Near Source' standard



100 Which of the following is/are the key features of Federalism?

1. Different tiers of government govern the same citizens, but each tier has its own jurisdiction.
2. Each tier of government must draw all its financial resources independent of the other tier.
3. The existence and authority of each tier of government generally is constitutionally guaranteed.
4. Division of powers between State units cannot be arbitrarily manipulated by any one tier of government alone.

◦ Select the correct answer using the codes below.

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