

UPSC Geoscientist 2021 Prelims

11.

Which one of the following is NOT the ordinance making power of Governor?

- (a) Governor shall have this power only when the legislature, or both Houses thereof, are not in session
- (b) The scope of ordinance making power is coextensive with the legislative powers of the state legislature
- (c) The Governor himself / herself shall not be competent to withdraw the ordinance at any time
- (d) It is not a discretionary power, but must be exercised with the aid and advice of Ministers

Ans - C

12.

Article 243 (D) of the Constitution of India provides reserved seats in Panchayats for:

- (a) Scheduled Castes, Scheduled Tribes, and women.
- (b) Scheduled Tribes only.
- (c) Scheduled Castes, Scheduled Tribes and Other Backward Castes.
- (d) Other Backward Castes and Women.

Ans - A

13.

Which one of the following is NOT a power of the Lok Sabha?

- (a) Makes laws on matters included in the Union and Concurrent Lists
- (b) Can introduce and enact money and non-money bills
- (c) Can initiate procedure for removal of Vice-President of India
- (d) Amends the Constitution of India

Ans - C

14.

Which one of the following does NOT describe Civil Society suitably?

- (a) It interconnects individuals and families
- (b) It comprises of voluntary associations
- (c) It does not assert autonomy from the State
- (d) It is modern rather than ascriptive and traditional

Ans- C

15.

Which one among the following is NOT the subject matter of channels of inter-governmental relations?

- (a) Legislation and policy making
- (b) Administration
- (c) Fiscal adjustment
- (d) Judicial co-ordination

Ans- D

16.

The Programme of Swachh Bharat Mission (Gramin) is implemented by:

- (a) Ministry of Social Justice and Empowerment
- (b) Ministry of Jal Shakti
- (c) Ministry of Rural Development
- (d) Ministry of Health and Family Welfare

Ans-B

17.

Which of the following is / are the financial power(s) of the Governor?

1. A Money Bill can be introduced in the Legislative Assembly only on the recommendation of the Governor
2. No demand for a grant can be made without the recommendation of the Governor
3. The supplementary, additional or excess grants are laid down with the recommendation of the Governor

Select the correct answer using the code given below:

- (a) 1 only
- (b) 2 and 3 only
- (c) 1, 2 and 3
- (d) 1 and 3 only

Ans- C

18.

Which one of the following statements about the Election Commission of India is NOT correct?

- (a) Election Commission accords recognition to political parties and allots symbols
- (b) Election Commission has the power to take decisions to ensure a free and fair polls
- (c) Election Commission implements the model code of conduct
- (d) The concept of multiple-member Election Commission has been in operation since 1980

Ans- D

19.

Which one of the following is / are the function(s) of NITI Aayog?

1. Design policy & programme framework
2. Foster cooperative federalism
3. Think tank and knowledge & innovation hub

Select the correct answer using the code given below:

- (a) 1 only
- (b) 2 and 3 only
- (c) 1, 2 and 3
- (d) 1 and 3 only

Ans- C

20.

Which committee on Panchayati Raj recommended a two-tier system by removing the block-level bodies?

- (a) Balwantrai Mehta Committee
- (b) Ashok Mehta Committee
- (c) G.V.K. Rao Committee
- (d) L. M. Sanghvi Committee

Ans- B

21.

Who among the following appoints the Advocate-General for a state?

- (a) Chief Justice of the High Court of the state
- (b) Chief Justice of the Supreme Court
- (c) Governor of the state
- (d) Attorney General

Ans- C

22.
Which one among the following functions is NOT assigned to the National Development Council?
- (a) To engage in social and economic policies
 - (b) To review the working of the national plan from time to time
 - (c) To prescribe guidelines for the formulation of the state plans
 - (d) To consider the national plans as formulated by the Planning Commission

Ans- C

23.
The self-respect movement was started by:
- (a) C. H. Annadurai
 - (b) E. V. Ramaswami Naicker
 - (c) Lakshmi Narasu
 - (d) Iyothee Thass

Ans- B

24.
“Forward Block” party was formed in 1940 in the state of:
- (a) West Bengal
 - (b) Kerala
 - (c) Maharashtra
 - (d) Punjab

Ans- A

26.
Which one among the following is a peat-producing wetland?
- (a) Swamps
 - (b) Marshes
 - (c) Bogs
 - (d) Lakes

Ans- C

27.

The decade of 2021 – 2030 is declared by the United Nations as the decade on:

- (a) Biodiversity
- (b) Family Farming
- (c) Ecosystem Restoration
- (d) Water for Sustainable Development

Ans- C

28.

Which one among the following is NOT a reason for low biodiversity?

- (a) Habitat stress
- (b) Abundance of ecological niches
- (c) Geographical isolation
- (d) Dominance by one species

Ans- B

29.

Which one among the following has the highest concentration in the atmosphere?

- (a) Argon
- (b) Carbon dioxide
- (c) Neon
- (d) Methane

Ans- A

30.

Temperature inversion most frequently occurs in:

- (a) Lower Troposphere
- (b) Upper Troposphere
- (c) Lower Stratosphere
- (d) Upper Stratosphere

Ans- A

31.

Which among the following has the maximum albedo?

- (a) Vegetation
- (b) Concrete
- (c) Desert
- (d) Clouds

Ans- D

32.

Which one among the following statements is NOT correct?

- (a) The troposphere is lower at high latitudes than low latitudes
- (b) The north-south temperature gradients are much steeper in winter
- (c) The strongest horizontal temperature gradients are in middle latitudes in both summer and winter
- (d) The north-south temperature gradient are much steeper in summer

Ans- D

33.

Which one among the following has negligible role in evapotranspiration?

- (a) Radiation intensity
- (b) Atmospheric dew point
- (c) Atmospheric pressure
- (d) Length of day

Ans- C

34.

Which among the following are true about hyperthermophile microbes?

1. The preferred temperature for growth of such microbes is around 45 °C
2. They prefer to grow and reproduce at over 80 °C
3. They normally grow in deep sea floors
4. Below 90 °C they find it too cold and stop growing

Select the correct answer using the code given below:

- (a) 1 and 3
- (b) 2 and 3 only
- (c) 2 and 4 only
- (d) 2, 3 and 4

Ans- B

35.

Plants, which survive by withdrawing water from their cells to prevent ice formation during extreme cold up to -40 °C, are known as:

- (a) Frost sensitive
- (b) Frost tolerant
- (c) Frost resistant
- (d) Chilling resistant

Ans- B

36.

A growing population cannot increase indefinitely at a geometric rate because a given habitat has a carrying capacity. This type of growth is known as:

- (a) Exponential growth
- (b) Sinusoidal growth
- (c) Logistic growth
- (d) Chaotic growth

Ans- C

37.

Which one of the following is NOT a condition necessary for natural selection to occur?

- (a) More organisms are born than can survive
- (b) Organisms should not vary in their characteristics within a species
- (c) Variation is inherited
- (d) Differences in reproduction and survival are due to variation among organisms

Ans- B

38.

Which one among the following is NOT an attribute of the 'Land Races'?

- (a) Land Races have a 'certain genetic integrity'
- (b) They can be very well recognised morphologically
- (c) They are highly adapted to specific soil types and local environmental variables
- (d) They don't have specific time of seeding and date of maturity

Ans- D

39.

Which one among the following is NOT a characteristic feature of Mangrove?

- (a) They are intertidal forested wetlands
- (b) Mangrove habitat obstructs the growth and establishment of other organisms
- (c) They dominate river deltas, lagoons and estuaries
- (d) They are highly salt tolerant

Ans- B

43.

An ecotone generally refers to the:

- (a) frontier between two ecosystems of different evolutionary levels.
- (b) frontier between two ecosystems of same evolutionary levels.
- (c) integration of two ecosystems of different evolutionary levels.
- (d) integration of two ecosystems of graded evolutionary levels.

Ans- A

44.

Naturally occurring green house gases keeps the Earth warmer nearly by:

- (a) 20 °C
- (b) 23 °C
- (c) 30 °C
- (d) 33 °C

Ans- D

45.

Thermal pollution is:

- (a) discharge of waste heat into the atmosphere or ocean from increasing use of energy.
- (b) atmospheric warming due to emission of green house gasses.
- (c) heat waves during extreme summer.
- (d) heat trapped in the atmosphere due to dust storm.

Ans- A

46.

Cultivable land, which is left uncultivated for more than a year but less than five years, is known as:

- (a) cultivable waste land.
- (b) current fallow land.
- (c) fallow land other than current fallow land.
- (d) barren and waste land.

Ans- C

47.

Which one of the following is a classic example of an Entrepot Port?

- (a) Mumbai
- (b) Singapore
- (c) Maracaibo
- (d) San Francisco

Ans- B

48.

Roughly conical hills, composed of sorted glacio-fluvial deposits, are called:

- (a) Erratics
- (b) Drumlins
- (c) Kames
- (d) Eskers

Ans- C

49.

Which one among the following river basins has the highest level of ground water utilisation?

- (a) Mahanadi
- (b) Godavari
- (c) Krishna
- (d) Kaveri

Ans- B

50.

The Fujita Intensity Scale, developed by late T. Theodore Fujita (University of Chicago) is used for measuring the intensity of:

- (a) Earthquakes
- (b) Rainfall
- (c) Tornadoes
- (d) Volcanic eruptions

Ans- C

51.

Urban sprawl takes place when:

- (a) residential densities increase within an urban area.
- (b) an urban area expands into the countryside.
- (c) population of towns and cities decline due to out-migration.
- (d) a rural area expands into the neighbouring city.

Ans- B

52.

The Headquarters of the East Central Railway of India is located at:

- (a) Kolkata
- (b) Bhubaneswar
- (c) Patna
- (d) Hajipur

Ans- D

53.

Which one of the following countries is NOT a member of SAFTA (South Asian Free Trade Agreement)?

- (a) India
- (b) Bangladesh
- (c) Myanmar
- (d) Pakistan

Ans- C

54.

'Zafran' is cultivated in which type of soil?

- (a) Black soil
- (b) Red soil
- (c) Karewa soil
- (d) Laterite soil

Ans- C

56.

Very strong air currents in the upper air westerlies are known as:

- (a) Jet streams
- (b) Tornados
- (c) Blizzards
- (d) Chinook winds

Ans- A

57.

Which Asian Country is characterised by negative population growth?

- (a) Sri Lanka
- (b) Indonesia
- (c) Japan
- (d) Bangladesh

Ans- C

58.

A 'Spit' can be defined as a:

- (a) beach of sand or shingle linked at one end to the land.
- (b) ridge that links the mainland to an island.
- (c) ridge formed by consolidated dunes on the beach.
- (d) shingle ridge formed along the beach above the high water mark.

Ans- A

59.

Pre-monsoon rainfall in India known as 'mango-showers', occur in the coastal areas of:

- (a) Karnataka
- (b) Odisha
- (c) Tamil Nadu
- (d) Maharashtra

Ans- A

60.

Which one of the following statements about Marajo Island is NOT correct?

- (a) It is world's largest river island
- (b) It is a river island on Amazon river
- (c) It is rich in wildlife and the home of water buffalo
- (d) Capital of Brazil is located on this island

Ans- D

63.

Which one of the following statements, with regard to the properties of X-ray, is correct?

- (a) X-rays can be deflected by an electric field
- (b) X-rays can be deflected by a magnetic field
- (c) X-rays are electromagnetic waves
- (d) X-rays are longitudinal waves

Ans- C

71.

James Prinsep is given credit for deciphering the script used in:

- (a) Ashokan Brahmi
- (b) Kharoshthi
- (c) Tamil Brahmi
- (d) Harappan Seals

Ans- A

72.

Tamilakam, the name of the ancient Tamil country, included besides Tamil Nadu parts of present day:

- (a) Andhra Pradesh and Kerala
- (b) Karnataka and Kerala
- (c) Kerala and Odisha
- (d) Andhra Pradesh and Karnataka

Ans- A

73.

The *malfuzat* literature is:

- (a) discourses by Sufi leaders.
- (b) treatises written by Sufis on the theory and practices of Sufism.
- (c) biographical dictionaries of the Sufi orders.
- (d) letters written by the Sufis.

Ans- A

74.

Which among the following was made responsible for framing of the Constitution of Free India?

- (a) Parliament of India
- (b) Constituent Assembly
- (c) Supreme Court of India
- (d) British Parliament

Ans- B

75.

Which one of the following was NOT the fallout of Gandhiji's Salt Satyagraha?

- (a) Refusal to pay the rural *chaukidari* tax in eastern India
- (b) Defiance of forest laws in Maharashtra
- (c) Picketing of shops selling foreign liquors by women
- (d) Declaration that no Indians should serve in the British-Indian Government

Ans- D

76.

The Lahore session of Congress, held in 1929, was famous for:

- (a) boycott of Simon Commission.
- (b) demanding commutation of Bhagat Singh's death sentence.
- (c) adoption of *Poorna Swaraj* as objective of Congress.
- (d) starting 'no rent-no tax' campaign by Congress.

Ans- C

77.

Tuhfatul Hind, written by Mirza Muhammad ibn Fakruddin Muhammad, is a text on:

- (a) Political theory
- (b) Architectural theory
- (c) Musical theory
- (d) Military techniques

Ans- C

78.

Pulakeshin II belonged to which dynasty of rulers?

- (a) Eastern Chalukyas
- (b) Pallavas
- (c) Eastern Gangas
- (d) Western Chalukyas

Ans- D

79.

Who among the following foreign travellers was appointed *Qazi* of Delhi by Muhammad Tughlaq?

- (a) Al-Masudi
- (b) Abu Zaid
- (c) Ibn Battuta
- (d) Ibn Haukal

Ans- C

80.

Which one of the following pairs of author and literary work is correctly matched?

- (a) Banabhatta : *Ramacharita*
- (b) Kalhan a : *Rajatarangini*
- (c) Chand Bardai : *Prithvirajavijaya*
- (d) Padmagupta : *Harshacharita*

Ans- B

81.

Which one of the following inscriptions records the history of a guild of silk weavers?

- (a) Allahabad Pillar Inscription
- (b) Junagadh Inscription of Rudradaman
- (c) Mandasor Inscription
- (d) Dhauli Rock Inscription

Ans- C

82.

The first coins to bear the names and images of rulers were issued by the:

- (a) Guptas
- (b) Mauryas
- (c) Indo-Greeks
- (d) Satavahanas

Ans- C

83.

Which one of the following pairs of term and meaning is correctly matched?

- (a) Gahapati : Slaves
- (b) Adimai : Master of a household
- (c) Vellalar : Land-less labour
- (d) Uzhavar : Ploughmen

Ans- D

84.

Which one of the following statements about Government of India Act, 1935 is NOT correct?

- (a) The federal part of the Act was quickly implemented
- (b) The Congress decided to participate in the elections under the new Act
- (c) Only Bengal and Punjab had non-Congress ministries
- (d) Congress formed coalition Governments in two provinces

Ans- A

85.

The ancient Sanskrit texts use the term *kula* to designate:

- (a) Network of kinfolk
- (b) Families
- (c) Lineage
- (d) Caste

Ans- B

86.

Which one of the following statements about immunisation is correct?

- (a) In immunisation, infectious agent is killed directly by component of vaccine
- (b) In immunisation, infectious agent is killed through immune system
- (c) Immunisation has no role in preventing infectious diseases
- (d) Immunisation against one infectious disease is sufficient for all infectious diseases

Ans- B

96.

“Sustainable Development is defined as the development that meets the need of the present generation without compromising the ability of the future generation to meet their own needs.” This well accepted definition of sustainable development was put forth in:

- (a) Rotterdam Convention
- (b) Stockholm Convention
- (c) Brundtland Commission
- (d) Kyoto Conference

Ans- C

97.

G-20 is a forum of countries that intends to promote global economic stability and sustainable growth. Which among the following group of countries DOES NOT form a part of the forum?

- (a) Argentina, South Africa, Turkey
- (b) Australia, Brazil, India
- (c) Italy, United Kingdom, Indonesia
- (d) Ireland, New Zealand, Sweden

Ans- D

98.

Ayushman Bharat – the centrally sponsored scheme takes care of which of the following?

1. Includes almost all secondary care and most of tertiary care procedures
2. Includes all pre and post-hospitalisation expenses
3. Increased access to quality health and medication

Select the correct answer using the code given below:

- (a) 1, 2 and 3
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1 and 3 only

Ans- A

99.

Certain geographical regions in a country may have economic laws different from the country's typical economic laws. Which one of the following could be the reason for allowing the differences in economic laws for particular geographical regions?

- (a) Increasing trade in the country
- (b) Discretionary allocation of natural resources
- (c) Increasing foreign investment
- (d) Leverage connections to extract a larger share of existing wealth

Ans- C

100.

Micro, Small & Medium Enterprises (MSMEs) contribute significantly in the economic and social development of the country. Which of the following measures is / are taken by the Government with respect to MSMEs?

1. Ensure better credit flow
2. Technology upgradation
3. Ease of doing business and market access

Select the correct answer using the code given below:

- (a) 1 only
- (b) 2 and 3 only
- (c) 1 and 2 only
- (d) 1, 2 and 3

Ans- D

101.

The second five year plan of India is regarded as a landmark contribution to development planning. What could be the reasons for the same?

1. Laid emphasis on industrialisation
2. Aimed at increasing the rate of investment
3. Aimed at establishment of socialistic pattern of society

Select the correct answer using the code given below:

- (a) 1 and 2 only
- (b) 1 and 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

Ans- D

102.

India is a destination for global outsourcing. Which of the following is/are the more appropriate reason(s) for making the multinational corporations choose India for outsourcing their services?

1. Lower wage rate
2. Higher rate of unemployment
3. Availability of skilled human power
4. Cordial relationship with government

Select the correct answer using the code given below:

- (a) 1 only
- (b) 1 and 3
- (c) 2 and 4
- (d) 3 and 4

Ans- B

103.

Which one of the following statements with regard to poverty is correct?

- (a) Poverty line is determined by the monetary value of the minimum calorie intake
- (b) The existing mechanism for determining poverty line takes into consideration social factors such as illiteracy, ill health etc.
- (c) Income and assets are the only factors associated with poverty
- (d) The items included in consumption basket are adequate to estimate the poverty line and the number of poor

Ans- A

104.

The group which regularly moves in and out of poverty is called as:

- (a) Chronic poor
- (b) Churning poor
- (c) Transient poor
- (d) Persistent poor

Ans- B

105.

Which one of the following is NOT correct with regard to *Pradhan Mantri Shram Yogi Maan-Dhan Yojana* (PM-SYM)?

- (a) It is a pension scheme for organized workers
- (b) It has started enrolment since 2019
- (c) It is a voluntary and contributory pension scheme
- (d) It is meant for entry age group of 18-40 years

Ans- A

106.

Which one of the following is NOT a member country of the Five Eyes Intelligence Oversight and Review Council (FIORC)?

- (a) India
- (b) Australia
- (c) United Kingdom
- (d) United States

Ans- A

107.

KAYAKALP awards are given annually by the Ministry of:

- (a) Education
- (b) Home Affairs
- (c) Health and Family Welfare
- (d) Information and Broadcasting

Ans- C

108.

Which one of the following was the theme of the One Planet Summit, 2021?

- (a) One Planet One Health
- (b) Innovative Solutions for Environmental Challenges and Sustainable Consumption and Production
- (c) Towards a Better Planet
- (d) Let's Act Together for Nature

Ans- D

115.

Which one of the following statements on Climate of India is NOT correct?

- (a) Year 2020 was the eighth warmest year on record since 1901
- (b) 12 out of 15 warmest years were during the recent fifteen years (2006-2020)
- (c) During the year 2020, the monsoon season rainfall over the country as a whole was below normal
- (d) Past decade (2001-2010/ 2010-2020) was the warmest decade on record

Ans- C

118.

Recently DRDO developed and handed over a bike-based casualty transport emergency vehicle to CRPF. What is the name of the vehicle?

- (a) Pratiksha
- (b) Rakshita
- (c) Nirbhaya
- (d) Devdut

Ans- B

119.

According to a recent report by the Ministry of Environment, Forest and Climate Change, how much of India's total geographic area is covered as protected areas?

- (a) About 5%
- (b) About 7%
- (c) About 10%
- (d) About 15%

Ans- A

120.

Which one of the following statements with regard to the World Immigration Report, 2020 prepared by the United Nations is NOT correct?

- (a) India had the largest number of migrants living abroad
- (b) United States was the top destination country
- (c) United States was the top remittance-sending country
- (d) China was the top remittance recipient country

Ans- D

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16. You are located at 40° N latitude and 90° W longitude. You travel due North 40° , then due East 60° . What are your new coordinates?

- (a) 30° N and 80° E
- (b) 80° S and 30° E
- (c) 80° N and 30° W
- (d) 80° N and 30° E

Ans- C

19. The process through which groundwater is brought up to the surface is called

- (a) eluviation
- (b) illuviation
- (c) capillary action
- (d) desilication

Ans- C

20. Which one of the following deserts is **not** located around 20°–30° latitude North or South of the Equator?

- (a) Atacama
- (b) Kalahari
- (c) Great Victoria
- (d) Gobi

Ans- D

21. Which one of the following is correct?

- (a) In humid tropical region, humus content is high in soil
- (b) Glacial till exhibits deep horizon
- (c) Humus accumulates in cold climate
- (d) In equatorial climates, humus content is high in soil

Ans- C

22. Which of the following are called 'benthos' ?

- (a) Microscopic plants which float on the ocean water
- (b) Animals which swim in the water
- (c) Plants and animals which live on the ocean floor
- (d) Plants and animals which float on the ocean water

Ans- C

23. Natural population change is calculated by

- (a) adding the death rate and the birthrate
- (b) subtracting the death rate from the birthrate
- (c) multiplying the death rate with the birthrate
- (d) dividing the death rate by the birthrate

Ans- B

24. Volga River drains into which one of the following seas?

(a) Adriatic Sea

(b) Black Sea

(c) North Sea

(d) Caspian Sea

Ans- D

25. Chabahar Port is located in which one of the following countries?

(a) Iraq

(b) Uzbekistan

(c) Iran

(d) Qatar

Ans- C

26. Which one of the following is **not** inhabited by corals?

(a) Gulf of Kutch

(b) Lakshadweep

(c) Sundarbans

(d) Andaman and Nicobar Islands

Ans- C

28. Which of the following plants is located near Bababudan Hills?

- (a) Bhilai Steel Plant
- (b) Visvesvaraya Iron and Steel Plant
- (c) Rourkela Steel Plant
- (d) Durgapur Steel Plant

Ans- B

29. Namchik-Namphuk areas are known for the production of which one of the following resources?

- (a) Petroleum
- (b) Coal
- (c) Iron ore
- (d) Limestone

Ans- B

30. Which one of the following cities is situated to the East of Great Dividing Range?

- (a) Adelaide
- (b) Sydney
- (c) Forrest
- (d) Broken Hill

Ans- B

32. As per the safe drinking water guidelines issued by the Bureau of Indian Standards, Government of India, what is the acceptable pH value of drinking water?

(a) Between 7.5 and 9.5

(b) Between 6.5 and 8.5

(c) Between 5.5 and 7.5

(d) Between 4.5 and 6.5

Ans- B

33. Which one of the following statements is correct about a virus?

(a) It is a free-living organism.

(b) It contains nucleic acid and protein.

(c) It can synthesize proteins.

(d) It can generate its own energy.

Ans- B

35. Foods like margarine, fried foods, cookies, chips, snack foods are considered as unhealthy foods for humans. Which one of the following varieties of fats found in all of these foods is most harmful?

- (a) Trans fat
- (b) Monounsaturated fat
- (c) Polyunsaturated fat
- (d) Saturated fat

Ans- A

37. Which of the following are the parts of the Government of India's AYUSH initiative?

- (a) Allopathy, Unani and Yoga only
- (b) Homeopathy, Unani and Yoga only
- (c) Allopathy and Homeopathy only
- (d) Allopathy, Homeopathy, Unani and Yoga

Ans- B

38. Which of the following major parameters are considered while deriving the Air Quality Index (AQI) of an area in India?

- (a) Nitrogen oxide and particulate matter only
- (b) Carbon dioxide and nitrogen oxide only
- (c) Particulate matter and sulphur dioxide only
- (d) Carbon dioxide, nitrogen oxide, particulate matter and sulphur dioxide

Ans- C

39. Covaxin, a COVID-19 vaccine manufactured in India, is

- (a) a live attenuated virus vaccine
- (b) an inactivated whole virus vaccine
- (c) a messenger RNA vaccine
- (d) a protein subunit vaccine

Ans- B

40. Which of the following diagnostic tests carry the health risks associated with ionizing radiations?

- (a) CT scans and X-rays only
- (b) MRI scans and X-rays only
- (c) CT scans, MRI scans and Ultrasonography only
- (d) CT scans, MRI scans, Ultrasonography and X-rays

Ans- A

41. *A Bunch of Old Letters*, originally published in 1958, is a collection of letters written to and by

- (a) Acharya Narendra Dev
- (b) N. G. Ranga
- (c) Jawaharlal Nehru
- (d) Sarojini Naidu

Ans- C

42. Local bodies, first formed in British India between 1864–1868, were presided by

- (a) the elected presiding officers
- (b) the eldest member of the local body
- (c) the District Magistrates
- (d) the nominee of the Viceroy

Ans- C

43. Raja Gulab Singh acquired Kashmir by

- (a) the Treaty of Amritsar
- (b) the Treaty of Lahore
- (c) the Treaty of Bhyroval
- (d) the Treaty of Sugauli

Ans- A

44. The practice of *Sati* was outlawed in 1829 by which one of the following promulgated Regulations?

- (a) Regulation XVI
- (b) Regulation XVII
- (c) Regulation XVIII
- (d) Regulation XIX

Ans- B

45. Which one of the following was one of the major currencies in circulation in India when the East India Company first considered the introduction of a uniform currency?

- (a) Awadh Silver Rupee
- (b) Arcot Silver Rupee
- (c) The Madras Silver Rupee
- (d) Sindh Rupee

Ans- B

46. Who among the following established the Public Works Department (PWD) in India?

(a) Lord Dalhousie

(b) Lord Bentinck

(c) Lord Cornwallis

(d) Warren Hastings

Ans- A

47. Which one of the following statements about the *Tufan Dals* of 1943 is **not** correct?

(a) They blew up railway bridges.

(b) They ran people's court.

(c) They organized constructive work.

(d) They were part of the *Prati Sarkar*.

Ans- A

48. Who were Paharias?

- (a) The cultivators of Deccan
- (b) The forest dwellers of Rajmahal Hills
- (c) The landless labours working under Zamindars
- (d) The stonecutters employed with the East India Company

Ans- B

49. Which one of the following caused the ruin of the rural artisan industries in India in the 19th Century?

- (a) Flooding of Indian markets with machine-produced goods on a mass scale
- (b) Promotion of urban craftsmen
- (c) Promotion of expensive silk and woolen goods
- (d) Import of raw materials from Britain at high prices

Ans- A

50. Which one of the following was a nationalist newspaper published from Bombay?

(a) *Som Prakash*

(b) *Rast Goftar*

(c) *Advocate*

(d) *Akhbar-e-Am*

Ans- B

51. As compared to natural greenhouse effect, the enhanced greenhouse effect refers to increase in average surface temperature of the Earth due to

(a) volcanic activity

(b) warm ocean currents

(c) sunspot activity

(d) anthropogenic activities

Ans- D

52. The terms 'oligotrophic', 'mesotrophic' and 'eutrophic' are associated with the evolution of

(a) scrubland

(b) bogs

(c) forest

(d) lakes

Ans- D

54. The term 'biotope' refers to

(a) a set of general physical conditions excluding chemical and biological conditions in a given geographic area

(b) a homogeneous set of physical and chemical conditions in a given geographic area at a particular time

(c) a homogeneous set of both biological and chemical conditions in a given geographic area

(d) a particular type of biological assemblage in a given geographic area

Ans- B

56. A juvenile ecosystem is characterized by energy usage which is primarily directed towards

- (a) multiplication and growth of organisms
- (b) maintenance of biocenose
- (c) conservation of biocenose
- (d) reduced growth of plants

Ans- A

57. Which one of the following results due to the 'edge effect' between cold and warm ocean waters?

- (a) Development of dense phytoplanktons rich in diatoms
- (b) Decrease in fish population in the area
- (c) Decrease in mussel population in the area
- (d) Decrease in primary productivity of the area

Ans- A

58. Soils which reflect the composition of underlying rocks are always

- (a) young
- (b) highly evolved
- (c) mature
- (d) moderately old

Ans- A

59. Eagle fern, horsetail, chrysanthemum grow well in

- (a) acidic soil
- (b) extremely alkaline soil
- (c) neutral soil
- (d) highly alkaline soil

Ans- A

60. The term 'lotic facies' is used to denote water of

- (a) rivers and streams
- (b) sag ponds
- (c) ponds
- (d) deep ocean floor

Ans- A

61. Azotobacter and Clostridium convert

- (a) gaseous molecular nitrogen into ammonia
- (b) ammonia present in soil to gaseous nitrogen
- (c) humus present in soil to mineralized constituents
- (d) normal healthy soil to toxic soil

Ans- A

64. The ultraviolet solar radiations are largely absorbed by

- (a) carbon dioxide and nitrogen
- (b) oxygen and carbon dioxide
- (c) oxygen and ozone
- (d) nitrogen and ozone

Ans- C

65. In a juvenile ecosystem, the zoocenoses are often

- (a) monophagous
- (b) polyphagous
- (c) oligophagous
- (d) carnivorous

Ans- A

66. Which one of the following is **not** an essential factor for the development of peat bog?

- (a) Presence of stagnant water
- (b) Presence of permeable soil
- (c) Presence of low temperature
- (d) Presence of acidic pH environment

Ans- B

67. Which one of the following is **not** correct about marshes?

- (a) These transform mineral matter into organic matter
- (b) These function as physico-chemical sinks
- (c) These contribute to the beauty of the countryside
- (d) These are least productive natural environments

Ans- D

68. The incident solar radiation is trapped by constituents of the atmosphere and reflect it partly towards the Earth as

- (a) microwaves
- (b) thermal infrared rays
- (c) ultraviolet rays
- (d) shortwave radiation

Ans- B

69. The most significant 'variable gases' in the atmosphere are

- (a) oxygen and carbon dioxide
- (b) carbon dioxide and nitrogen
- (c) water vapour and carbon dioxide
- (d) water vapour and oxygen

Ans- C

70. Which one of the following is **not** correct in the context of greenhouse effect?

- (a) Nitrogen and oxygen are poor absorbers of shortwave solar radiation
- (b) Clouds are poor absorbers of the Earth radiation
- (c) The most Earth radiation that escapes to space is in a narrow band from 8–13 micrometres
- (d) More than 70% of the atmospheric radiant energy is directed back to the surface

Ans- B

71. Which one of the following is **not** correct in the context of daytime heating experienced on the Earth?

- (a) The highest daytime temperatures usually occur several hours after the time of maximum solar input
- (b) Equilibrium between incoming and outgoing radiation occurs about an hour and a half after sunset
- (c) The extent of daily lag in maximum temperature varies
- (d) Presence of vegetation cover reduces the maximum temperature

Ans- B

72. Which one of the following statements about North-facing slopes and South-facing slopes in the Northern Hemisphere is **not** correct?

- (a) North-facing slopes are snow covered while South-facing slopes are bare.
- (b) North-facing slopes get less intense radiation as compared to South-facing slopes.
- (c) Snow on North-facing slopes is found at a lower altitude than South-facing slopes.
- (d) Tree line characteristics on North-facing slopes and South-facing slopes are similar.

Ans- D

73. Dew point temperature represents that

- (a) thin layer of air near the ground surface has become cold enough to condensate
- (b) there is thorough mixing of air
- (c) evaporation has exceeded condensation
- (d) the night temperature is warm

Ans- A

81. Which one of the following statements is true for nuclear fission processes?

- (a) Light initial nuclides have lesser number of neutrons than protons.
- (b) Heavy initial nuclides have lesser number of neutrons than protons.
- (c) All initial nuclides have larger number of neutrons than protons.
- (d) All initial nuclides have equal number of protons and neutrons.

Ans- C

84. Which two competing effects determine the size of a star?

- (a) Nuclear fusion and electrostatic effects
- (b) Nuclear fusion and magnetic effects
- (c) Nuclear fusion and gravitational effects
- (d) Gravitational and electromagnetic effects

Ans- C

85. The characteristics of gravitational waves that make them difficult to detect are

- (a) long wavelength and high energy
- (b) long wavelength and low energy
- (c) short wavelength and high energy
- (d) short wavelength and low energy

Ans- B

96. Which of the following statements is/are correct about 'eSanjeevani' ?

1. It is a platform of the Ministry of Health and Family Welfare that provides physical presence of the doctors to the doorstep of the patients.
2. One of its components is facilitating 'doctor-to-doctor teleconsultation'.

Select the correct answer using the code given below.

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

Ans - B

97. The President of India may resign from his post by writing under his hand addressed to

- (a) the Chief Justice of the Supreme Court of India
- (b) the Speaker of the Lok Sabha
- (c) the Vice President of India
- (d) the Prime Minister of India

Ans - C

98. Which of the following statements is/are correct?

1. The Fundamental Duties are enlisted in Part IV-A of the Constitution of India.
2. The 44th Amendment to the Constitution of India added the word 'Secular' to the Preamble of the Constitution of India.

Select the correct answer using the code given below.

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

Ans- A

99. Article 324 of the Constitution of India provides for the establishment of which one of the following institutions in India?

- (a) The National Human Rights Commission
- (b) The Central Vigilance Commission
- (c) The Central Information Commission
- (d) The Election Commission of India

Ans - D

100. Which one of the following provisions of the Constitution of India was **not** adopted from the British Constitution?

- (a) First past the post system
- (b) Directive Principles of State Policy
- (c) Law-making procedure
- (d) Parliamentary form of government

Ans - B

101. Which among the following Supreme Court Judgements established the principle that the 'basic structure' of the Constitution of India was unamendable?

- (a) *Golaknath vs State of Punjab*
- (b) *Kesavananda Bharati vs State of Kerala*
- (c) *Sankari Prasad vs Union of India*
- (d) *Sajjan Singh vs State of Rajasthan*

Ans - B

102. Who among the following was the Chairman of the National Commission for Review of the Working of the Constitution (NCRWC)?

- (a) Justice Ranganath Misra
- (b) Justice J. S. Verma
- (c) Justice A. M. Ahmadi
- (d) Justice M. N. Venkatachaliah

Ans - D

103. The *S. R. Bommai and Others vs Union of India* case relates to which one of the following issues?

- (a) Sexual harassment at workplace
- (b) Proclamation of Emergency in States
- (c) Issuing of Ordinances by the President of India
- (d) Power to amend the Constitution by the Parliament

Ans - B

104. Which one of the following programmes is **not** a part of poverty alleviation programmes in India?

- (a) Integrated Rural Development Programme
- (b) Deendayal Antyodaya Yojana
- (c) Ayushman Bharat Yojana
- (d) National Family Benefit Scheme

Ans - C

105. Which one of the following is **not** applicable to a writ of *Habeas Corpus* ?

- (a) It is a powerful safeguard to citizens against arbitrary acts of the State
- (b) It can be invoked for the enforcement of Fundamental Rights
- (c) The writ may be addressed to any person, private or official, who has another person in his custody
- (d) It secures the release of a person who has been imprisoned by a court of law on a criminal charge

Ans- D

106. Through which one of the following amendment acts were Fundamental Duties introduced to the Constitution of India?

- (a) The 44th Amendment Act
- (b) The 42nd Amendment Act
- (c) The 43rd Amendment Act
- (d) The 25th Amendment Act

Ans - B

108. Which one of the following is referred to in the Constitution of India as the 'Date of its Commencement' ?

(a) 14th November, 1949

(b) 17th October, 1949

(c) 26th January, 1950

(d) 26th November, 1949

Ans- C

110. 'Van Panchayats or Village Forest Councils' are unique to which one among the following States?

(a) Himachal Pradesh

(b) Chhattisgarh

(c) Uttarakhand

(d) Sikkim

Ans- C

112. Consider the following statements :

1. The Regional Comprehensive Economic Partnership (RCEP) is the world's biggest free trade deal.
2. India is a member of the RCEP.

Which of the statements given above is/are correct?

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

Ans- A

113. Among the following, which one has been accorded the status of UNESCO World Heritage Site recently?

- (a) Chausath Yogini Temple, near Morena
- (b) Sri Kalahastheeswara Temple, near Tirupati
- (c) Ramappa Temple, near Warangal
- (d) Manjunatha Temple, near Dharmasthala

Ans- C

118. The e-AMRIT web portal on electric vehicles, launched at COP26 Summit in Glasgow recently, has been developed by NITI Aayog in collaboration with the Government of

- (a) USA
- (b) UK
- (c) Russia
- (d) Canada

Ans- B

119. What is common to the places called 'Aliyar, Idukki, Mettur, Parambikulam'?

- (a) Buddhist archaeological sites
- (b) Underground cave systems
- (c) Pre-historic cave paintings
- (d) Water reservoirs

Ans- D

UPSC Geoscientist 2023 Prelims

3. Which one of the following is the most important stage in the process of ecological succession?

- (a) Claim
- (b) Acceptance by community members
- (c) Reaction
- (d) Settlement

Ans- C

5. The uplift mechanism that takes place when lighter warm moist air mass rises after encountering a colder and denser air mass causes

- (a) conventional precipitation
- (b) frontal precipitation
- (c) cyclonic precipitation
- (d) orogenic precipitation

Ans- B

6. Which one of the following managed ecosystems has the highest amount of standing crop?

- (a) Agricultural land
- (b) Grazing land
- (c) Human habitation
- (d) Forest plantation

Ans- D

7. Who among the following was the Viceroy of India in 1905, when the Partition of Bengal was announced?

- (a) Lord Ripon
- (b) Lord Canning
- (c) Lord Curzon
- (d) Lord Minto

Ans- C

8. *Nil Darpan*, which deals with the condition of indigo planters, was written by

- (a) Michael Madhusudan Dutta
- (b) Bankim Chandra Chatterjee
- (c) Lal Behari Dey
- (d) Dinabandhu Mitra

Ans- D

9. Who among the following revolutionaries founded the Hindustan Socialist Republican Army?

- (a) Ashfaqullah
- (b) Batukeshwar Dutta
- (c) Ram Prasad Bismil
- (d) Chandra Shekhar Azad

Ans- D

10. Chronologically arrange the following events :

1. Invasion of Alexander
2. Indo-Greek Rule in the North-West
3. Accession of Kanishka
4. Accession of Chandragupta Maurya

Select the correct answer using the code given below.

- (a) 4-3-1-2
- (b) 2-3-4-1
- (c) 3-4-1-2
- (d) 1-4-2-3

Ans - D

11. Consider the following statements :

1. Ajanta paintings depict stories from the *Jatakas*.
2. Ajanta paintings depict scenes of court-life, processions, men and women at work, festivals, etc.

Which of the statements given above is/are correct?

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

Ans- C

22. Which of the following statements regarding the Panchayat system is/are correct?

1. The Constitution of India envisages a three-tier system of Panchayat.
2. Intermediate Panchayat stands between the village and district Panchayats in the State where the population is above 20 lakhs.
3. All the seats in a Panchayat shall be filled by direct election from territorial constituencies in the Panchayat area.

Select the correct answer using the code given below.

- (a) 1 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Ans- D

23. Which one of the following is *not* a Fundamental Duty enshrined in the Constitution of India?

(a) To abide by the Constitution and respect its ideals and institutions

(b) To protect the national animal and national bird

(c) To value and preserve the rich heritage of India's composite culture

(d) To safeguard public property and abjure violence

Ans- B

24. Which of the following statements regarding the President of India is/are correct?

1. The President of India is elected by an electoral college in accordance with the system of proportional representation by means of the single transferable vote.
2. The elected members of the Legislative Assemblies of Union Territories of Delhi and Puducherry take part in the election of the President of India.

Select the correct answer using the code given below.

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

Ans- C

25. Which one of the following is **not** an objective of One Stop Centre scheme?

- (a) To stop gender-based violence
- (b) To support women affected by violence
- (c) To provide cheaper credit to self-help groups
- (d) To provide specialized services to aggrieved women including victims of acid attack

Ans- C

28. Microscopic, branched and thread-like structures, which can grow and absorb nutrition from organic matter, are found in

- (a) bacteria
- (b) viruses
- (c) fungi
- (d) algae

Ans- C

32. In deep ponds and lakes, which one of the following vertical zones receives least light penetration?

(a) Surface

(b) Littoral zone

(c) Limnetic zone

(d) Profundal zone

Ans- D

33. What is ecological amplitude?

(a) The range of demands and consequent range of tolerance of a species to the fluctuations in environmental conditions

(b) The range of tolerance of a species in constant environmental conditions

(c) The range of demands of a species in constant environmental conditions

(d) The range of ecological conditions found in a biome

Ans- A

36. Which one of the following is a gravity transported soil?

(a) Alluvial

(b) Eolian

(c) Colluvial

(d) Glacial

Ans- C

37. What is 'pyrophilous organism'?

(a) Fresh grass growing after ground fire

(b) Fungi growing in soils of burnt terrains

(c) Seeds germinating after clear felling of forest

(d) Organisms with capacity to regenerate the tail after it was lost due to damage

Ans- B

38. Which one among the following States of India experienced the highest fall in population growth rate during 2001-2011 in relation to the previous decade?

- (a) Andhra Pradesh
- (b) Maharashtra
- (c) Tamil Nadu
- (d) Madhya Pradesh

Ans - B

40. Which of the following statements about farming in India is/are correct?

1. Dryland farming is confined to the regions having annual rainfall less than 100 cm.
2. Wetland farming regions are often susceptible to flood and soil erosion hazards.

Select the correct answer using the code given below.

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

Ans- B

50. What is 'bioenergetic approach' in modern ecology?

- (a) Study of similarities and differences in food relationships among living organisms and various forms of energy supporting their life
- (b) Study of energy retention by ecosystems under threat
- (c) Study of energy loss by ecosystems under threat
- (d) Study of energy in deep oceans during cyclone buildup

Ans- A

53. The typical Nagara style Shikhara is visible in which one of the following temples?

- (a) Brihadeshwara Temple, Thanjavur
- (b) Dashavatara Temple, Deogarh
- (c) Kailasanatha Temple, Ellora
- (d) Meenakshi Temple, Madurai

Ans- B

54. Which one of the following Harappan centres specialized in making shell objects?

(a) Balakot

(b) Kalibangan

(c) Mohenjo-daro

(d) Banawali

Ans- A

55. Who among the following was the first to decipher the Ashokan inscriptions?

(a) William Jones

(b) John Marshall

(c) James Prinsep

(d) Alexander Cunningham

Ans- C

56. The structure of Mahanavami Dibba is situated in which one of the following places?

(a) Ujjain

(b) Gaur

(c) Hampi

(d) Mandu

Ans - C

57. Chronologically arrange the following events :

1. Third Battle of Panipat
2. Invasion of Nadir Shah
3. Impeachment of Warren Hastings
4. The Diwani of Bengal transferred to the East India Company

Select the correct answer using the code given below.

(a) 2-1-4-3

(b) 3-4-2-1

(c) 1-3-4-2

(d) 4-3-2-1

Ans- A

64. Consider the following statements regarding Janani Suraksha Yojana (JSY) :

1. JSY is a safe motherhood intervention under the National Health Mission.
2. The objective of JSY is to reduce maternal and neonatal mortality.

Which of the statements given above is/are correct?

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

Ans- C

65. Which one of the following statements regarding Jan Shikshan Sansthan (JSS) is **not** correct?

- (a) JSS aims to provide vocational skills to non-literate, neo-literate and person with rudimentary level of education.
- (b) JSS is meant for vocational education of women only.
- (c) JSS works at the doorstep of the beneficiaries.
- (d) JSS receives grants from the government for skill development.

Ans- B

66. According to the National Multi-dimensional Poverty Index (MPI) constructed by the NITI Aayog, the education dimension is represented by parameters pertaining to

1. school attendance
2. years of schooling
3. literacy rate in the region

Select the correct answer using the code given below.

- (a) 1 only
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

Ans- B

67. What is Academic Bank of Credit (ABC) as per the National Education Policy (NEP), 2020?

- (a) ABC enables credits awarded to students for one programme from a recognized higher education institution to be transferred or redeemed by another higher education institution
- (b) ABC is the bank account of the students for direct transfer of scholarship
- (c) ABC is the newly created institution for providing credits to academic institutions for building infrastructure
- (d) ABC is an autonomous banking system dealing with the financial management of higher education institutions under NEP, 2020

Ans- A

78. Which of the following statements about river valleys is/are correct?

1. Kullu Valley is an example of strike valley.
2. Kangra Valley is a transverse valley.
3. Narmada flows in a rift valley.

Select the correct answer using the code given below.

- (a) 1 and 2
- (b) 2 and 3
- (c) 2 only
- (d) 3 only

Ans- D

79. The Kumaon Himalayas lie between

- (a) Indus River and Satluj River
- (b) Satluj River and Kali River
- (c) Chenab River and Satluj River
- (d) Bhagirathi River and Alaknanda River

Ans- B

80. Which one of the following glaciers is **not** part of Pir Panjal Range?

- (a) Urdok
- (b) Sonapani
- (c) Bara Shigri
- (d) Gangri

Ans- A

81. Little Andaman is separated from Great Andaman by

- (a) Ten Degree Channel
- (b) Homfray's Strait
- (c) Duncan Passage
- (d) Austen Strait

Ans- C

82. Which one of the following is the international convention agreement specifying the commitments of different countries to mitigate climate change?

- (a) Montreal Protocol
- (b) Kyoto Protocol
- (c) Paris Agreement
- (d) Bali Agreement

Ans- B

83. Which one of the following is a known metallophyte for Fe?

- (a) *Eichhornia crassipes*
- (b) *Miconia lutescens*
- (c) *Astragalus acemosus*
- (d) *Mentha arvensis*

Ans- A

86. Which one of the following 'algae' is **not** known identified partner to form lichen?

- (a) *Nostoc*
- (b) *Stigonema*
- (c) *Trentepohlia*
- (d) *Vaucheria*

Ans- D

92. Which of the following statements relating to SWIFT is/are correct?

1. It is a messaging network used by banks and financial institutions globally for quick and faultless exchange of information pertaining to financial transactions.
2. It stands for Society for Worldwide Interbank Financial Telecommunications.

Select the correct answer using the code given below.

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

Ans- C

93. Which of the following statements relating to the State Election Commissioner is/are correct?

1. The State Election Commissioner is appointed by the Election Commission of India.
2. The State Election Commissioner can be removed only in the same manner as a Judge of a High Court.

Select the correct answer using the code given below.

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

Ans- B

94. Which one of the following statements relating to the duration of Panchayat is **not** correct?

- (a) Every Panchayat shall continue for six years from the date of its first meeting.
- (b) A Panchayat can be dissolved before the expiry of its term in accordance with the procedure prescribed by State Law.
- (c) Election to Panchayat must take place within six months of its dissolution.
- (d) A Panchayat reconstituted after premature dissolution shall continue only for a remainder of the period.

Ans- A

95. Which of the following words/phrases was **not** incorporated into the Preamble to the Constitution of India by the Forty-second Amendment?

(a) Socialist

(b) Secular

(c) Unity and integrity of the nation

(d) Dignity of the individual

Ans- D

96. Which one of the following statements with regard to the Attorney-General of India as per Article 76 of the Constitution of India is **not** correct?

- (a) The Attorney-General of India is appointed by the Chief Justice of India.
- (b) A person who is qualified to be appointed a Judge of the Supreme Court of India is appointed as the Attorney-General of India.
- (c) In the performance of his/her duties, the Attorney-General shall have right of audience in all courts in the territory of India.
- (d) The Attorney-General shall hold office during the pleasure of the President of India.

Ans- A

97. Which part of independent India had held the first election based on universal adult franchise?

- (a) Hyderabad
- (b) Manipur
- (c) West Bengal
- (d) Nagaland

Ans- B

98. According to the NITI Aayog SDG India Index, 2020–21, which one among the following States is a Front Runner in its performance on SDG-14?

(a) Tripura

(b) Maharashtra

(c) Punjab

(d) Odisha

Ans- D

106. Which one of the following is a tributary of Krishna River?

(a) Harangi

(b) Hiran

(c) Purna

(d) Munneru

Ans- D

107. Which of the following statements about breaks in the South-West Monsoon is/are correct?

1. In Northern India, rains are likely to fail if the rain-bearing storms are not very frequent along the monsoon trough.
2. In the West Coast, the dry spells occur when winds blow parallel to the coast.

Select the correct answer using the code given below.

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

Ans- C

108. According to the Solid Waste Management Rules, 2016, the responsibility of waste generators has been fixed for segregation of waste in which of the following streams?

- (a) Biodegradable and non-biodegradable wastes
- (b) Metallic and non-metallic wastes
- (c) Wet, dry and domestic hazardous wastes
- (d) Recyclable and non-recyclable wastes

Ans- C

109. Which one of the following countries is landlocked?

- (a) Paraguay
- (b) Uruguay
- (c) Suriname
- (d) Colombia

Ans- A

110. Which one of the following States of India has the largest area under ravines?

- (a) Uttar Pradesh
- (b) Himachal Pradesh
- (c) Punjab
- (d) Gujarat

Ans- A

111. According to the Climate Change Performance Index (CCPI), 2023, India climbed two spots to rank

- (a) seventh
- (b) eighth
- (c) ninth
- (d) tenth

Ans- B

112. Freddie, Elton, Oban, Siyaya, Aasha, Tbilisi, Sasha and Savannah are names of

- (a) nuclear reactors of Ukraine
- (b) cheetahs brought to India from Namibia
- (c) National Parks of Tanzania
- (d) tropical and sub-tropical grasslands

Ans- B

114. Thundi Beach and Kadmat Beach, which recently entered the coveted list of Blue Beaches, an eco-label given to the cleanest beaches in the world, are located in

- (a) Puducherry
- (b) Lakshadweep
- (c) Kerala
- (d) Andaman and Nicobar Islands

Ans- B

116. According to the United Nations Environment Programme (UNEP), one of the recent large-scale accidental releases of methane gas into the ocean occurred in

- (a) Exxon Valdez
- (b) Nord Stream
- (c) Deepwater Horizon
- (d) Atlantic Empress

Ans- B