



Self Study IAS

Sample Test – Question Paper

Number of questions: 100

Maximum Marks: 200

Time: 2 hours

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1. Which of the following conditions is/are conducive for formation of tropical cyclones?

1. large and continuous supply of warm and moist air.
2. large value of coriolis force.
3. inflow of air at upper level of atmosphere.

Select the correct answer using the codes given below.

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

2. Consider the following statements about towns of Indus Valley Civilization:

1. The dockyard at Lothal is connected through a channel to river Bhogva.
2. Lime mortar was never used at Mohenjodaro for construction.

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

3. A buffer solution is the one which

- a) changes pH with the addition of a strong base.
- b) changes pH with the addition of an acid.
- c) resists changes in pH.
- d) does not change pH at all.

4. Article 16 provides that No citizen can be discriminated against or be ineligible for any employment or office under the State on grounds of only

- 1. descent
- 2. language
- 3. place of birth
- 4. race

Select the correct answer using the codes given below.

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

5. Which of the following best describes the term 'effective radiation'?

- a) the difference between total incoming solar radiation and outgoing terrestrial radiation.
- b) the radiant energy received by the earth and its atmosphere.
- c) the longwave radiation from the earth's surface.
- d) none

6. If RBI lowers the Cash Reserve Ratio (CRR), then

- 1. supply of money in the economy may increase.
- 2. banks will increase the interest rates.
- 3. exports will become cheaper.

Select the correct answer using the codes given below.

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

d) 1, 2 and 3

7. Consider the following statements about ecological succession:

1. The initial stage of secondary succession is different from the initial stage of primary succession.
2. The total time required for the development of climax vegetation in the secondary succession is more than that for primary succession.

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

8. Consider the following statements:

1. Muslim League's performance in the 1937 elections in the Muslim majority provinces such as Sindh and North West Frontier was very good.
2. The election results pushed it towards embracing extreme communalism.

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

9. People drinking water from a shallow hand pump are likely to suffer from which of the following diseases?

1. cholera
2. typhoid
3. jaundice
4. fluorosis

Select the correct answer using the codes given below.

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

d) 1, 2, 3 and 4

10. If both speaker and deputy speaker of Lok Sabha is absent from a joint sitting, then who presides over such a sitting?

- a) Chairman of Rajya Sabha.
- b) Deputy Chairman of Rajya Sabha.
- c) a person as may be determined by the members present.
- d) none of the above.

11. The essential conditions for the development of Karst topography is/are

- 1. The limestone should be porous.
- 2. The limestone should be widely distributed in both area and vertical dimensions.
- 3. The carbonate rocks should be very close to ground surface.

Select the correct answer using the codes given below.

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

12. An employment situation where the marginal productivity of agricultural labour is zero is known as

- a) Structural unemployment.
- b) Frictional unemployment.
- c) Seasonal unemployment
- d) None of the above.

13. With reference to ecosystem pyramid, consider the following statements:

- 1. The energy pyramid is always upright.
- 2. The numbers pyramid is always inverted.

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

14. Which of the following folk dances belong to Rajasthan?

1. Bhavai
2. Dollu Kunita
3. Ghoomar

Select the correct answer using the codes given below.

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

15. Silver halides are used in photographic plates because they are

- a) readily reduced by light.
- b) easily oxidised by light.
- c) easily soluble in hypo solution.
- d) both (b) and (c).

16. With reference to Armed Forces Special powers Act (AFSPA), who among the following can declare an area as 'disturbed area'?

1. Governor
2. Chief Minister
3. Central Government

Select the correct answer using the codes given below.

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

17. With reference to oceans, consider the following statements:

1. The average depth of Atlantic ocean is less than that of Pacific Ocean.
2. Pacific Ocean is deeper as it has extensive continental shelves and marginal

enclosed seas.

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

18. In order to control inflation, the Central Bank should

- 1. sell government securities.
- 2. lower the bank rate.
- 3. purchase government securities.
- 4. raise the bank rate.

Select the correct answer using the codes given below.

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

19. Consider a body at temperature of 100 units kept in a room with room temperature 20 units.

Event A : The temperature of the body decreased from 100 to 60.

Event B : The temperature of the body decreased from 60 to 20.

- a) Time taken for A is more than that for B.
- b) Time taken for A is less than that for B.
- c) Both A and B will take equal time.
- d) Data is insufficient to compare time taken.

20. With reference to Kalinga Style of temple architecture, consider the following statements:

- 1. In this, the temple is built in two parts - tower and hall (jagmohan).
- 2. The main shrine is surrounded by 4 subsidiary shrines.

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

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21. A fire caused by petrol cannot be extinguished effectively by water because

- 1. water and petrol react chemically.
- 2. water and petrol are immiscible with each other.
- 3. petrol forms the upper layer and continues to burn.
- 4. the flame is too hot for water to cool it.

Select the correct answer using the codes given below.

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

22. Who among the following can be appointed as an acting Chief Justice of India by the President?

- 1. a judge of Supreme Court.
- 2. a judge of any High Court.
- 3. a senior advocate of a Supreme Court.

Select the correct answer using the codes given below.

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

23. Horse latitudes are dynamically induced pressure belts. 'Dynamically induced' means that they are formed due to

- a) low temperature compared to nearby areas.
- b) high temperature compared to nearby areas.

- c) subsidence of air currents.
- d) none of the above

24. Equity market instruments help in financing a firm. Which of these is/are equity market instruments ?

- 1. Bonds
- 2. Shares
- 3. Debentures

Select the correct answer using the codes given below.

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

25. With reference to biostimulation, consider the following statements:

- 1. Biostimulation involves the modification of environment to increase biodiversity.
- 2. Biostimulation allows one to control the nature of biomass.

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

26. Which of the following caves have paintings dated to pre-historic times?

- 1. Barabar caves
- 2. Bhimbetka caves
- 3. Ellora caves

Select the correct answer using the codes given below.

- a) 1 and 2 only
- b) 2 only
- c) 2 and 3 only
- d) none

27. With reference to efflorescence and deliquescence, consider the following statements:

1. In efflorescence, solid substances absorb water vapour from the atmosphere and are slowly transformed into liquids.
2. In the process of deliquescence, the resulting substances are fluffy and rough solids.

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

28. The ordinance making power of Governor is co-extensive with the legislative power of the state legislature. This means

1. ordinance can only be promulgated when Legislative assembly is not in session.
2. ordinance can be promulgated only on those subjects on which state legislature can make laws.
3. Governor can promulgate ordinance only on the advice of Council of Ministers.
4. an ordinance cease to operate on the expiry of six weeks after the reassembly of state legislature.

Select the correct answer using the codes given below.

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

29. Consider the following statements about Brahmaputra river:

1. Due to high gradient, the Brahmaputra is highly braided and has numerous riverine islands.
2. There are a number of isolated hillocks on both banks of the Brahmaputra river.

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

30. It has been seen that farmers prefer to grow cereals over pulses. Which of the following could be a reason for low preference of pulses.

1. pulses require high amount of water and fertilizer.
2. cereals have high MSP compared to pulses.
3. pulses have low yield per hectare of land compared to cereals.

Select the correct answer using the codes given below.

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

31. Perfluorocarbons (PFCs), a Greenhouse gas (GHG) included under the Kyoto Protocol is emitted from

1. aluminium production.
2. semiconductor industry.
3. refrigeration and fire extinguishing systems.

Select the correct answer using the codes given below.

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

32. With reference to Constituent Assembly, consider the following statements:

1. The rulers of Indian states who acceded to the union as provided in the constitution accepted the premise that sovereignty resided in their people and not in themselves.

2. The members of the Constituent assembly were directly elected by the people.

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

33. Consider the following statements about entropy:

1. The total entropy of any isolated thermodynamic system tends to increase over time, approaching a maximum value.
2. The entropy of all system is zero at absolute zero temperature.

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

34. Which of the following is/are a Fundamental Right under part 3 of the Indian Constitution?

1. Right to form trade unions.
2. Right to obtain recognition of the trade union.
3. Right to Strike

Select the correct answer using the codes given below.

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

35. Which of the following is/are beneficial for the growth of cotton?

1. ample sunshine.
2. frost.
3. maritime air
4. moist weather during ball-opening

Select the correct answer using the codes given below.

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

36. In economics, 'forced savings' refers to

- a) taxes on individual income and wealth.

- b) compulsory deposits imposed on income tax payer.
- c) provident fund contribution of private sector.
- d) none of the above.

37. The National Action Plan on Climate Change (NAPCC) focuses attention of which of the following areas?

1. wind energy.
2. sustainable habitat.
3. establishing a strategic knowledge platform for climate change.

Select the correct answer using the codes given below.

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

38. During the Indian National Movement, Dewan Chamanlal, M. M. Joshi and V. V. Giri were associated with

- a) Kisan Sabha Movement
- b) State People's Movement
- c) Communist Movement
- d) Trade Union Movement

39. Which of the following is/are an example of polysaccharide carbohydrate?

1. sucrose.
2. starch.
3. glycogen.

Select the correct answer using the codes given below.

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

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40. The seats are allotted to the states in the Rajya Sabha on the basis of

1. territorial area.
2. population.
3. density of population.

Select the correct answer using the codes given below.

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

41. With reference to the scheme "Housing for All by 2022", consider the following statements:

1. It will be implemented in both urban and rural areas.
2. Under the scheme, subsidy for beneficiary-led individual house construction will be provided.

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

42. Which of the following Greenhouse gas (GHG) also destroys ozone in the stratosphere?

1. Chlorofluoro Carbon (CFC)
2. Nitrous Oxide (N₂O)
3. Methane

Select the correct answer using the codes given below.

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

43. Consider the following statements about Todar Mal's Bandobast:

1. The state was to advance loans to the cultivators which could be paid in easy annual installment.

2. Remissions of revenue were granted in bad season.

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

44. Antibiotics are a type of antimicrobial used in the treatment and prevention of bacterial infection. Antibiotics can be obtained from

- 1. bacteria
- 2. fungi
- 3. molds

Select the correct answer using the codes given below.

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

45. The legislative council has equal power and status with respect to legislative assembly in which of the following matters?

- 1. ratification of constitutional amendment bill.
- 2. enlargement of jurisdiction of State Public Service Commission.
- 3. election of President.

Select the correct answer using the codes given below.

- a) 1 and 2 only
- b) 2 and 3 only
- c) 2 only
- d) None

46. Which of the following have been pointed out as negative effect of FDI in India by those who are opposed to it?

1. inappropriate technology
2. skewed income distribution.
3. transfer pricing.

Select the correct answer using the codes given below.

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

47. Which of the following is/are an example of man-made wetland?

1. Chandertal in Himachal Pradesh.
2. Harike in Punjab.
3. Pong Dam in Himachal Pradesh.

Select the correct answer using the codes given below.

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

48. There was a great rebellion in Doab against Muhammad Bin Tughlaq. What was the reason for it?

- a) enslavement of rural population.
- b) issue of token currency.
- c) transfer of capital from Delhi.
- d) increase in rural taxation.

49. DDT, which was earlier used to control malaria has been banned in many countries because it

1. persists in the environment and bioaccumulates.
2. brings about a change in sex chromosomes.
3. prevents the coupling of oxygen with haemoglobin.

Select the correct answer using the codes given below.

- a) 1 only
- b) 1 and 2 only

- c) 1 and 3 only
- d) 1, 2 and 3

- 50.** The Public Accounts Committee (PAC) performs which of the following function?
1. examination of appropriation and finance accounts of the Union Government.
 2. suggesting alternative policies in order to bring about efficiency in administration.
 3. examination of the accounts of state corporations.

Select the correct answer using the codes given below.

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

- 51.** The Indian constitution provides which of the following rights with respect to religion?

1. right to profess.
2. right to practice.
3. right to propagate.

Select the correct answer using the codes given below.

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

- 52.** Assertion (A) - Most satellite TV antenna in India face south, south east or south-west.

Reason (R) - TV transmission satellite mostly uses a geostationary orbit.

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true but R is not a correct explanation of A
- c) A is true but R is false
- d) A is false but R is true

53. Which of the following is/are an example of Hindu architecture showing Islamic influence?

1. Lotus Mahal, Vijaynagar
2. Pillared corridor, Rameshwaram
3. Thousand pillared Mandapa, Mafurai

Select the correct answer using the codes given below.

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

54. The ripening of fruits can be accelerated by

1. spraying urea during maturation of fruits
2. decreasing oxygen concentration of the surroundings.
3. increasing ethylene concentration of the surroundings.

Select the correct answer using the codes given below.

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

55. Indian constitution is a combination of federal and non-federal features. Point out the non-federal features from these:

1. All India Services
2. Flexibility of the constitution
3. Supremacy of constitution
4. Bicameralism

Select the correct answer using the codes given below.

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

56. What is "Surface Computing"?

- a) It is computing without storing any data in the computer so as to improve security.

- b) It is a computer network in which users can access a shared pool of resources.
- c) It is the use of specialised Graphical User Interface like touchscreen to interact.
- d) None of the above is a correct description of Surface Computing.

57. The 'evil quartet' refers to the four major cause of biodiversity loss. Which of the following is/are part of the 'evil quartet'?

- 1. habitat loss.
- 2. climate change
- 3. pollution.
- 4. co-extinction.

Select the correct answer using the codes given below.

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

58. Which of the following Muslim Leader/s joined the Home Rule League formed by Annie Besant?

- 1. Abul Kalam azad
- 2. M. A. Jinnah
- 3. Muhammad Iqbal

Select the correct answer using the codes given below.

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

59. With reference to mycorrhiza, consider the following statements:

- 1. It is a symbiotic association between plant roots and algae.
- 2. In mycorrhiza, the plants benefit from the efficient uptake of mineral nutrients.

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

60. The Zoological Survey of India (ZSI) has published a book containing a consolidated documentation of mammals found in India. Which of the following mammals is/are now extinct from India?

1. Banteng
2. Malabar Civet
3. Chinese Pangolin

Select the correct answer using the codes given below.

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

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61. Alberuni's Kitab-ul-Hind is

1. mainly a political history of India.
2. a sympathetic study of Indian civilization.
3. critical of Mahmud Ghaznavi's plundering raids.

Select the correct answer using the codes given below.

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

62. With the attainment of climax vegetation

1. biomass increases to maximum.
2. net community production increases.
3. food chain becomes highly complex and it changes to food web.

Select the correct answer using the codes given below.

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

63. Transfusion of which of the following component of blood is done during high risk dengue fever?

- a) RBCs
- b) WBCs
- c) Platelets
- d) Both (a) and (b)

64. Consider the following statements about seed dispersal:

1. Smaller and lighter seeds are more efficiently transported to greater distances and have low rate of mortality.
2. Larger seeds are difficult to be dispersed and have high rate of 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

65. In which of the following embroidery type, stitching of cut out fabric designs to a background fabric is done to create a decorative effect?

- a) Applique
- b) Zardoshi
- c) Kashida
- d) Phulkari

66. The item/s which will be included in the calculation of national income among the following is/are

1. Rs 1 lakh won in a lottery.
2. Rented residence.
3. Rent-free house given to an employee by the employer.

Select the correct answer using the codes given below.

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

67. Primary productivity in Tundra biome is exceedingly low because of

1. low sunlight and insolation.
2. permanently frozen grounds.
3. scarcity of moisture in soils.

Select the correct answer using the codes given below.

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

68. Consider the following statements about ecotone:

1. Ecotone is a zone of junction between two or more ecosystem.
2. A well developed ecotones contain some organisms which are entirely different from that of the adjoining communities.

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

69. Which of the following is/are true about the rule of Indo-Greeks in north western India?

1. They carried long distance trade.
2. There was proliferation of artisanal and craft production.
3. There was extensive land grants.

Select the correct answer using the codes given below.

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

70. With reference to borrowing powers of government, consider the following statements:

1. The Central government can borrow either within India or outside upon the security of the Consolidated Fund of India.
2. A state government can borrow within India or outside upon the security of the Consolidated Fund of the State.

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

71. The availability of plant nutrients is greatly affected by soil pH. In this respect, soil acidification can cause a deficiency of

1. phosphorous.
2. manganese.
3. cadmium.

Select the correct answer using the codes given below.

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

72. With reference to post-Gupta period, consider the following statements:

1. The post-Gupta agrarian structure is marked by growing feudal set up.
2. It saw the emergence of landed intermediaries and subjected peasantry.

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

73. The LASER light is monochromatic. This means it

- a) contains one specific wavelength of light.
- b) all the photons have wave fronts that launch in unison.
- c) has a very tight beam.
- d) all of the above

74. Consider the following statements about President's rule:

1. The presidential proclamation imposing President's rule is not subject to judicial review.
2. The courts cannot go into the correctness of the material on the basis of which president's rule was declared.

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

75. With reference to volcanic dusts and their role in climate change, consider the following statements:

1. They reduce the amount of solar radiation reaching the earth's surface.
2. They do not block the outgoing long wave radiation waves from the earth's surface.

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

76. Consider the following statements about health benefits of Tulsi (holy basil):

1. Chewing of Tulsi leaves have been found to beneficial for teeth.
2. Drinks made from Tulsi leaves provide relief in sore throats.

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

77. Ocean seeding refers to

- a) growing plants inside ocean.
- b) quick germination of seeds inside ocean water.
- c) encouraging growth of phytoplankton to remove carbon.
- d) none of the above

78. Which of the following is/are an example of active remote sensing?

1. camera with its flash turned on.
2. spectrometer.
3. LIDAR

Select the correct answer using the codes given below.

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

79. Who was the lady representative of India at the second Round Table Conference (RTC)?

- a) Vijayalakshi Pandit.
- b) Sucheta Kripalani.
- c) Aruna Asaf Ali.
- d) Sarojini Naidu

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80. With reference to carbon sequestration, consider the following statements:

1. Coastal vegetation sequesters carbon more effectively than terrestrial forests.
2. In coastal vegetation, organic carbon is broken down and released by microbes.

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

81. QR codes are being increasingly used everywhere. Which of the following is/are true about QR codes?

1. QR code is a three dimensional matrix code.
2. They are free from security issues.
3. They contain more information than conventional barcodes.

Select the correct answer using the codes given below.

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

82. If there is an expectation of a rise in the price level, investment will be encouraged because

1. there will be an increase in the production of capital goods.
2. there will be a rise in the prospective return from capital.
3. people will save more and the interest rate will fall.

Select the correct answer using the codes given below.

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

83. Subsurface environment is largely affected by human activities. Man changes subsurface conditions by

1. construction of big dams.
2. supply of water through irrigation in the agricultural farms.
3. underground mining.

Select the correct answer using the codes given below.

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

84. 'Ghatikas' during the early medieval India refers to

- a) association of traders.
- b) colleges and centres providing Brahmanical learning in South India.
- c) Jaina cave monasteries and centre of learning in Kalinga areas.
- d) none

85. Which of the following is/are an example of live vaccine?

1. BCG
2. Oral Polio Vaccine (OPV)
3. Varicella Vaccine

Select the correct answer using the codes given below.

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

86. With reference to oil spills, consider the following statements :

1. They make the water deficient in oxygen.
2. They can cause algal blooms.

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

87. Although the Constitution came into force on 26 January 1950, some provisions of the constitution came into force on November 26, 1949 itself. These included

1. Fundamental Rights
2. Citizenship
3. Elections

Select the correct answer using the codes given below.

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

88. Consider the following statements about scattering of solar radiation waves:

1. Scattering happens when the diameter of dust particles in the air is shorter than the wavelengths of the solar radiation waves.
2. A major portion of the scattered solar energy is sent back to the space.

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

89. At which of the following places do Ashoka's rock edicts occur?

1. Dhauri
2. Girnar
3. Ahraura

Select the correct answer using the codes given below.

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

90. Which of the following genetic disorders in human beings is/are sex-linked

1. Down syndrome.
2. Thalassemia
3. Haemophilia

Select the correct answer using the codes given below.

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

91. With reference to Charter Act of 1833, consider the following statements:

1. It introduced a system of open competition for selection of civil servants.
2. It ended the activities of the East India Company as a commercial body.

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

92. Water in a wetland can be:

1. Fresh
2. Brackish
3. Static

Select the correct answer using the codes given below.

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

93. The Fundamental Rights in the Indian Constitution is/are

1. positive rights
2. negative rights

3. available against private individuals.

Select the correct answer using the codes given below.

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

94. Both soil and vegetation influences each other. Vegetation influences soils through

- 1. uptake of nutrients by plants through their root.
- 2. interception of raindrops.
- 3. making changes in slope profile.
- 4. release of organic matter to the soil horizons.

Select the correct answer using the codes given below.

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

95. Which of the following statement regarding the Stupa is/are correct?

- 1. It has a circumambulatory path.
- 2. They are often surrounded by a fence.
- 3. There is an umbrella at the top.

Select the correct answer using the codes given below.

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

96. The RBI has been intervening in the foreign exchange market of India and buying dollars to

- 1. prevent weakening of rupee further thereby acting as disincentive to export growth.

2. check enhanced liquidity in the monetary system.
3. build-up foreign exchange reserves for debt servicing.

Select the correct answer using the codes given below.

- a) 1 only
- b) 1 and 2 only
- c) 1 and 3 only
- d) none

97. When cold front passes over an area then

1. temperature decreases.
2. relative humidity increases.
3. sky becomes clear.

Select the correct answer using the codes given below.

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

98. Overcooking of food is undesirable. While cooking of food, the compounds lost to the maximum extent are

- a) carbohydrate
- b) proteins
- c) fats
- d) vitamins

99. According to the provisions of the Indian Independence Act, 1947 the princely states had the freedom to

1. join India.
2. join Pakistan.
3. remain independent.

Select the correct answer using the codes given below.

- a) 1 and 2 only
- b) 1 and 3 only

- c) 2 and 3 only
- d) 1, 2 and 3

100. Which of the following can be used as water softeners?

1. gypsum
2. zeolites
3. quartz

Select the correct answer using the codes given below.

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

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