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HAMDARD STUDY CIRCLE

UPSC Civil Services Preliminary Examination 2019 Coaching Programme

ENTRANCE TEST BOOKLET

GENERAL STUDIES

PAPER-I

Time Allowed: Two Hours

Maximum Marks: 300

Number of Questions: 100

INSTRUCTIONS

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3. This Test Booklet contains 100 items (questions) printed in English. All items carry equal marks. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case, you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each item.
4. You have to mark all your responses ONLY on the separate OMR Answer Sheet provided.
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7. **THERE WILL BE 1/3rd PENALTY FOR WRONG ANSWERS MARKED BY THE CANDIDATE.**

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HSC ENTRANCE (P) 2019

✓ 1. Which of the following is/are correctly matched?

- 1) Gonds – Kenya
- 2) Ainu – Japan
- 3) Pygmies – Brazil
- 4) Toda – India

Choose the correct answer using the codes below:

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

2. Tripura government has recently decided to withdraw the Armed Forces Special Powers Act (AFSPA), 1958 entirely from the state. Consider the following about AFSPA.

- 1) Only the Governor of a state can declare an area to come under AFSPA.
- 2) The Act makes local civilian administration accountable to the military.
- ✓ 3) It can be withdrawn from an area only after the consent of the Central government and Indian armed forces.
- 4) AFSPA cannot be applicable in a state during emergency.

Choose the correct answer using the codes below:

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

3. The National Sugar Institute (NSI) is located in which city of India?

- ✓ a) Lucknow
- b) Kanpur
- c) Coimbatore
- d) Karnal

4. Who is the first female Hindu lawmaker in Pakistan since 1947?

- a) Krishna Kumari
- b) Chandra Prabha
- c) Pallavi Lachhani
- ✓ d) Shivani Prasad

✓ 5. India's tallest Flag has been unfurled in which city?

- a) Delhi
- ✓ b) Belagavi
- c) Attari
- d) Pune

✓ 6. Recently, on March 13 2018, President Ram Nath Kovind has inaugurated the World Hindi Secretariat building at which place?

- a) Madagascar
- b) Sri Lanka
- ✓ c) Mauritius
- d) South Africa

✓ 7. Some plants are 'carnivorous' due to their adaptation to grow in places where the soil is thin or poor in nutrients, especially nitrogen. In this context, consider the following plants:

- 1) Utricularia
- 2) Nepenthes
- 3) Dionaea

Which of the above plant(s) is/are carnivorous?

- a) 1 and 3
- b) 2 only
- c) 3 only
- ✓ d) All of the above

8/ Bowman's Capsule' works as a part of the functional unit of which among the following human physiological systems?

- a) Circulatory
- b) Respiratory
- c) Excretory
- d) Reproductive

9. Consider the following:

- 1) Waste Products
- 2) Hormones
- 3) Ions

Circulation of blood is responsible for transport of which among the above in our body?

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

10. The Largest solar power plant of India was set up recently in which of the following States?

- a) Tamilnadu
- b) Uttar Pradesh
- c) Karnataka
- d) Rajasthan

11. The famous hill-station 'Kodaikanal' lies in:

- a) Nilgiri hills
- b) Girnar hills
- c) Palani hills
- d) Cardamom hills

12. 'Gir Kesar', given the Geographical Indication (GI) tag, is a famous variety of which among the following?

- a) Saffron
- b) Pepper
- c) Mango
- d) Laddu

13. Which among the following is/are the after-effect(s) of deforestation?

- 1) Increased run-off leading to soil erosion
- 2) Recharging of ground-water table
- 3) Flash floods

Choose the correct answer using the codes below:

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

14. Consider the following statements:

- 1) An Ox-Bow lake is a cut-off river meander.
- 2) Youthful stage of a river is characterised by a flood-plain.
- 3) Rapids are formed in river delta.

Which of the above statements is/are incorrect?

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

15. Which of the following substances undergo 'sublimation' on heating?

- 1) Iodine
- 2) Napthalene
- 3) Camphor

Choose the correct answer using the codes below:

- a) 1 and 2
- b) 1 and 3
- c) 2 and 3
- d) All of the above

X 16. Monosodium glutamate (MSG) is added artificially to packaged food to enhance flavour and is also used in the popular Chinese noodles. Consider the following about it.

- 1) It occurs naturally in many agricultural products.
- 2) Large doses of MSG can cause headaches.
- 3) It is a major factor in causing obesity.

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

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

✓ 17. Consider the following about OPCW (Organisation for the Prohibition of Chemical Weapons).

- 1) It is an inter-governmental organization headquartered in Hague.
- 2) One of its mandates is to destroy the global chemical weapons stockpile.
- 3) It operates directly under the aegis of United Nations Security Council (UNSC).
- X 4) India is not a signatory to the Convention on Chemical weapons.

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

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

X 18. A new study has warned that Glaciers in the Everest region of the Himalayas could shrink drastically due to global warming. What consequences can this have?

- 1) It will affect snowfall and rain in the Himalayan region.
- 2) It will greatly affect the farming and hydropower generation downstream of the Himalayan peaks.
- 3) It can lead to avalanches in this region.

4) It will reduce the albedo of the earth.

Choose the correct answer using the codes below:

- a) 1 and 2
- b) 1, 3 and 4
- c) 2 and 4
- d) All of the above

19. Consider the following statements:

- X 1) A double layer Blu-Ray disc can hold upto 50 GB of data.
- 2) Unlike DVDs, which use a red laser to read and write data, Blu-ray uses a blue laser.
- 3) Unlike DVDs, where data is stored between layers of two polycarbonate layers, in Blu-ray data is stored on top of a 1.1-mm-thick polycarbonate layer.
- 4) Blu-ray discs are far thinner than DVDs.

Which of the above statements are incorrect?

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

✓ 20. With reference to Poona Pact, consider the following statements:

- 1) Mahatma Gandhi objected to the provision of separate electorates for the Scheduled (formerly "untouchable") Castes.
- 2) The Pact was the result of the communal award of Aug. 4, 1932, made by the British government.

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

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

21. Consider the following about cabinet committees:

- 1) They are set up by the Prime Minister.
- 2) All committees are ad hoc in nature.
- 3) They cannot take a final decision on matters referred to them by cabinet.
- 4) Cabinet committees are also known as Empowered Group of Ministers (EGoM).

Choose the correct answer using the codes below:

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

22. Triticale, a high yield and rich protein content cereal is a

- a) Wheat and Rye hybrid.
- b) Wheat and Maize hybrid.
- ✓ c) Maize and Rye hybrid.
- d) Rice and Rye hybrid.

23. Consider the following statements:

- 1) The Lion Capital represents four roaring lions back to back facing the four cardinal directions.
- 2) The round abacus in the Lion Capital is decorated with four *dharmachakras* or wheels of law, alternating with an elephant, a bull, a horse and a tiger.

Which of the above statements is/are correct?

- ✓ a) 1 only
b) 2 only
c) Both 1 and 2
d) None

24. Primary sector of the economy includes activities

- ✓ a) that are based on natural resources.
- b) where a good is produced by exploiting natural resources.

- c) that do not require skilled manpower.
- d) that produce only intermediary goods.

25. Game theory concerns itself with the -

- ✓ a) study of conflict and cooperation between intelligent rational decision-makers.
- b) study of irrational behaviour of human beings.
- c) study of computer simulation models of military strategy.
- d) defence strategy of nations in maritime zones.

26. Ministry of Earth Sciences has developed a SMS-based alert system for which of the following disasters?

- 1) Heavy rains
- 2) Cyclones
- 3) Storms
- 4) Earthquakes
- 5) Avalanche

Choose the correct answer using the codes below:

- a) 1, 2 and 3
✓ b) 2, 3 and 4
c) 1 and 4
d) All of the above

27. Consider the following statements:

- 1) Gandhara art was a product of the combination of Hellenistic, West Asiatic and native elements.
- 2) In Gandhara Art, most of the images represent Buddha as seated in the typically Indian Yogic posture.

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

- ✓ a) 1 only
b) 2 only
c) Both 1 and 2
d) None

28. Urban lake pollution has become a major problem in metro cities. Which of the following biological measures can be used to counter urban lake pollution?

- 1) Spraying enzymes.
- 2) Using bacteria that consume the biological load in water.
- 3) Introducing exotic fishes in the lake.

Choose the correct answer using the codes below:

- a) 1 and 2
 b) 2 and 3
 c) 1 and 3
 d) All of the above

29. Periodically, banks have to submit information to the RBI on

- 1) how much they are lending?
- 2) who are they lending to?
- 3) what interest rate are they lending at?
- 4) how much deposits do they have?

Choose the correct answer using the codes below:

- a) 1, 2 and 3
 b) 3 and 4
 c) 2 and 4
 d) All of the above

30. With reference to Jainism and its principles, consider the following statements:

- 1) Samyak Darshana means seeing (hearing, feeling, etc.) things properly, and avoiding preconceptions and superstitions that get in the way of seeing clearly.
- 2) Samyak jnana means having an accurate and sufficient knowledge of the real universe.

Which of the above statements is/are correct?

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

31. Honeybees are critical to food production because

- a) they are responsible for pollinating a large number of crops.
b) they act as bio-pesticides killing harmful bacteria in the fields.
 c) their secretion acts as bio-fertilizer for the crops.
d) beehives can be used to ward off unwanted insects from the fields.

32. Pankhida and Lotia are two song traditions sung by peasants and women respectively in which of the following states?

- a) Maharashtra
 b) Punjab
 c) Rajasthan
 d) Bihar

33. The ozone hole over the Arctic would have been 40 per cent bigger today if ozone-depleting chemicals had not been banned in the 1980s, suggests a new research. Ozone depletion can affect

- 1) Plant development and growth
 2) Amount of phytoplankton in the oceans
 3) The natural balance of greenhouse gases in the atmosphere

Choose the correct answer using the codes below:

- a) 1 and 2
b) 2 and 3
c) 1 and 3
 d) All of the above

✓ 34. 'Urban heat island effect' that increases the effective temperature of cities is caused due to

- 1) paved ground.
- 2) lack of tree cover.
- 3) air pollution..
- 4) tall buildings.

Choose the correct answer using the codes below:

- a) 1, 2 and 3
- b) 3 and 4
- c) 1 and 2
- ✓ d) All of the above

✓ 35. Money is accepted as a medium of exchange for goods and services in India because

- 1) it carries intrinsic value.
- 2) it is used by banks.
- 3) it carries legal authority.
- 4) it is the most abundant resource.

Choose the correct answer using the codes below:

- a) 1, 2 and 3
- ✓ b) 3 only
- c) 2 and 4
- d) All of the above

✓ 36. Consider the following statements:

- 1) She helped to establish the Women's Indian Association (WIA) in 1917.
- 2) In 1925, she presided over the annual session of Indian National Congress at Cawnpore (now Kanpur).
- 3) In 1931, she participated in the Round table conference with Gandhi and Madan Mohan Malaviya.

In the above statements, "She" refers to which of the following freedom fighters?

- a) Annie Besant

- b) Kamala Nehru
- ✓ c) Sarojini Naidu
- d) Vijaya Lakshmi Pandit

✗ 37. In the context of environment conservation, what is "rebound effect"?

- ✓ a) Supposedly environment friendly techniques causing damage to the environment.
- b) Reduction in expected gains from new technologies that increase the efficiency of resource use.
- c) Lack of adaptation of ecological systems to the changes introduced by human beings.
- d) None of the above.

✗ 38. With reference to the Third Battle of Panipat, consider the following statements:

- 1) It was fought between Marathas and force of Ahmad Shah Abdali.
- 2) The outcome of the War resulted in restoration of Mughal Empire to Shah Alam II.

Which of the above statements is/are correct?

- ✓ a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None

✓ 39. The incidence of cancer has grown over the last decade in India. The following regions lead in a particular type of cancer. Match these regions with the possible major causes of cancer in them.

- 1) Punjab – Pollution and use of pesticides
- 2) West Bengal – High use of tobacco products
- 3) North-eastern region – Household burning of firewood
- 4) Coastal India – diet rich in spice and salt

Choose the correct answer using the codes below:

- a) 1 and 2
- b) 1, 3 and 4
- c) 2 and 4
- d) All of the above

40. "Hatha Yoga" is a popular system in Indian Yogic practices. In this Hatha refers to

- a) the two symmetrical sides of the human body.
- b) concentration of the mind in the kundalini.
- c) the two opposite currents that regulate all processes in our body.
- d) the essence of all physical postures that lead to greater human health.

41. Car provides protection during a thunderstorm and lightning because of

- a) the elevation of the car from the ground soil.
- b) its rubber tyres that insulate the car from ground.
- c) the metallic body of car.
- d) the insulating material present in seats, handles and window.

42. Which of the following are examples of a physical process of "denaturation"?

- 1) Boiling of egg
- 2) Curdling of milk
- 3) Formation of tea

Choose the correct answer using the codes below:

- a) 1 and 3
- b) 2 and 3
- c) 1 and 2
- d) All of the above

43. Consider the following about the role and powers of the Speaker, Lok Sabha.

- 1) He is the head and representative of the Lok Sabha.

- 2) His decision in all Parliamentary matters is final.
- 3) He is the final interpreter of the provisions of the Constitution of India within the House.
- 4) He appoints the chairman of all the parliamentary committees of the Lok Sabha and supervises their functioning.

Choose the correct answer using the codes below:

- a) 2 only
- b) 2, 3 and 4
- c) 1 and 3
- d) All of the above

44. If too much of organic matter is added to a water body, it may lead to

- ~~1) reduction of dissolved oxygen.~~
- ~~2) algal boom.~~
- 3) greenhouse emission from the water body.
- 4) loss of aquatic life in the water body.

Choose the correct answer using the codes below:

- a) 1, 2 and 4
- b) 2 and 3
- c) 1 and 4
- d) All of the above

45. Which of the following is/are forms of dance-drama or folk theatre performed in various parts of India?

- 1) Yakshagana of Karnataka
- 2) Theyyam of Kerala
- ~~3) Tamasha of Maharashtra~~
- ~~4) The Bengali Jatra~~

Choose the answer using the codes below:

- a) 1, 2 and 3
- b) 2, 3 and 4
- c) 1, 3 and 4
- d) All of the above

46. The new way of calculating headline GDP growth rate in India is based on

- a) GDP at factor price at market prices.
- b) GDP at market prices.
- c) GDP at constant prices.
- d) GDP at factor price at constant prices.

47. You are suffering with acidity in the stomach. Which of the following is/are most likely to cure your acidity?

- 1) Antacid
- 2) Amla
- 3) Curd
- 4) Spinach

Choose the correct answer using the codes below:

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

48. Consider the following statements:

- 1) He is widely regarded as a key figure in literary renaissance of Bengal as well as India.
- 2) From 1858, until his retirement in 1891, he served as a deputy magistrate and deputy collector in the Government of British India.

To whom do the above descriptions refer to?

- a) Ishwar Chandra Vidyasagar
- b) Rabindranath Tagore
- c) Bankim Chandra Chattopadhyay
- d) Ram Mohan Roy

49. With reference to Non-Cooperation movement, consider the following statements:

- 1) The movement was successful in attaining its main objective

- 2) The main trigger for the launch of this movement was the massacre at Amritsar in April 1919
- 3) The movement marked the transition of Indian nationalism from a middle-class to a mass basis

Which of the above statements are correct?

- a) 1 and 2
- b) 1 and 3
- c) 2 and 3
- d) All of the above

50. The Comptroller and Auditor General of India is appointed by the President of India based on the advice of

- 1) Council of Ministers.
- 2) Committee consisting of the PM, Lok Sabha speaker and Leader of Opposition.
- 3) Former CAG of India.

Choose the correct answer using the codes below:

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

51. The Central Information Commission of India performs which of the following tasks?

- 1) Quasi-judicial
- 2) Delegated legislation
- 3) Administrative

Choose the correct answer using the codes below:

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

52. Resignation or dissolution of which of the following may bring a collapse of the Council of Ministers at the state level?

- 1) Governor
- 2) Chief Minister
- 3) State Legislative Assembly
- 4) State Legislative Council

Choose the correct answer using the codes below:

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

53. With reference to Satyagraha as preached and practised by Gandhiji, consider the following statements:

- 1) The satyagrahi asserts the truth by refusing to submit to the wrong or to cooperate with it in any way.
- 2) Satyagraha forbids any tactic suggesting the use of secrecy to one's advantage.

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

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

54. Fundamental rights in the constitution are available against the arbitrary action of

- 1) the state.
- 2) private individuals in some cases.
- 3) societies and associations.
- 4) international agencies.

Choose the correct answer using the codes below:

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

55. If the Rajya Sabha declares that it is necessary in the national interest that Parliament should make laws on a matter in the State List, then the Parliament becomes competent to make laws on that matter. Such a resolution must be supported by

- a) two-third of members present and voting.
- b) two-third of members present and voting, and majority of the membership of the House.
- c) simple majority of the House.
- d) majority of the membership of the House.

56. Average income in a country can be a good measure of economic progress but not economic development. Why?

- 1) It does not capture income disparities.
- 2) It does not capture situation of unemployment in the country.
- 3) It cannot capture the efficiency of resource use of the country.

Choose the correct answer using the codes below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) All of the above

57. One way to find out if adults are undernourished is to calculate what nutrition scientists call Body Mass Index (BMI). It is the

- a) ratio of body weight and body height.
- b) ratio of square of body weight and body height.
- c) ratio of body height and square of body weight.
- d) ratio of body height and body weight.

130

$\frac{90 \times 90}{175}$

$\frac{4}{17}$

58. With reference to Round Table Conferences that were held in London during India's struggle for its independence from the British, consider the following statements:

- 1) The first session had 73 representatives, from all Indian states and all parties except the Indian National Congress.
- 2) The second session was attended by Mahatma Gandhi as the Congress representative.
- 3) The Government of India Act -1935 was the result of deliberations held at these Round Table Conferences.

Which of the above statements is/are correct?

- a) 1 and 3
- b) 2 and 3
- c) 1 and 2
- d) All of the above

59. In India, the growth of the Service Sector can be attributed to

- 1) rising income of people.
- 2) urbanization.
- 3) developments in science and technology.
- 4) development of agriculture and industry sectors.

Choose the correct answer using the codes below:

- a) 1, 2 and 3
- b) 2 and 3
- c) 1 and 4
- d) All of the above

60. Disguised unemployment is caused essentially by

- a) Under-employment
- b) Unemployment
- c) Casual employment
- d) Over-Employment

61. A constitutional amendment bill may need the consent of

- 1) Lok Sabha
- 2) Rajya Sabha
- 3) President of India
- 4) State Legislative Assemblies
- 5) State Legislative Councils

Choose the correct answer using the codes below:

- a) 1, 2 and 3
- b) 1, 2, 3 and 4
- c) 4 and 5
- d) All of the above

62. The rivers - Indravati, Manjira, Bindusara and Sabari are the tributaries of which one of the following Rivers?

- a) Krishna
- b) Godavari
- c) Narmada
- d) Damodar

63. For rural households, arrange the following sources of credit in descending order with respect to their credit volume.

- 1) Moneylenders
- 2) Cooperative banks
- 3) Government

Choose the correct order from the codes below:

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

64. As per the 73rd Constitutional amendment, the power to expand the responsibilities of the Panchayati Raj Bodies rests with

- a) State legislatures
- b) Governor
- c) President of India
- d) Parliament

65. Consider the following about the areas under the Sixth schedule of the Constitution.

- 1) The governor is empowered to organise and re-organise the autonomous districts under these areas.
- 2) The district and regional councils can make laws on certain specified matters.
- 3) The acts of Parliament or the state legislature necessarily do not apply to autonomous districts.
- 4) The village councils can do trial of suits and cases between the tribes.

Choose the correct answer using the codes below:

- a) 1 and 2
- b) 2, 3 and 4
- c) 1 and 3
- d) All of the above

66. Consumers in India have the legal right to information about the goods being sold to them. For a medical commodity, displaying which of the following information is mandatory for the producers?

- 1) Ingredients used
- 2) Information relating to side effects and risks
- 3) Address of the manufacturer
- 4) Directions for proper use

Choose the correct answer using the codes below:

- a) 1, 2 and 4
- b) 3 and 4
- c) 1 and 2
- d) All of the above

67. With reference to the World Food Prize, consider the following statements:

- 1) It was created by Norman E Borlaug.
- 2) It was created to honour individuals who have contributed to improving the availability and quality of food worldwide.

3) It is given by the United Nations World Food Programme.

Which of the above statements is/are correct?

- a) 1 and 3
- b) 1 and 2
- c) 2 and 3
- d) All of the above

68. Which of the following are included in the non-tax revenue receipts of the government of India?

- 1) Profits and dividends which the government gets from its public sector undertakings.
- 2) External grants received by the government.
- 3) Interests received by the government out of all loans forwarded by it.

Choose the correct answer using the codes below:

- a) 1 and 2
- b) 1 and 3
- c) 2 and 3
- d) All of the above

69. "To secure for all citizens a uniform civil code throughout the country" is one of the Directive Principles of state policy in our constitution. If this is implemented, it will lead to

- 1) common laws for all religious communities in India.
- 2) common laws for both men and women.
- 3) centralization of justice delivery system in courts rather than local bodies.

Choose the correct answer using the codes below:

- a) 1 and 2
- b) 2 and 3
- c) 1 only
- d) All of the above

70. With reference to a National Park located in Jammu and Kashmir, consider the following statements:

- 1) It is located 22 kilometers from Srinagar.
- 2) This National park is located in the Zabarwan Range of the western Himalayas.
- 3) The main animal species that this National Park is most famous for, is the Hangul.

To which National Parks given below do the above descriptions refer?

- a) Hemis National Park
- b) Salim Ali National Park
- c) Kishtwar National Park
- d) Dachigam National Park

71. Which of the following processes lead to loss of vitamins/nutrients from vegetables?

- 1) mixing with other vegetables.
- 2) if excess water used in the cooking is thrown away.
- 3) continuous heating.

Choose the correct answer using the codes below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) All of the above

72. Consider the following statements:

Assertion (A): Farmers do not need to add nitrogen fertiliser to the soil in which leguminous plants are grown.

Reason (R): Rhizobium bacteria that can take atmospheric nitrogen and convert it into a soluble form lives in the roots of leguminous plants.

In the context of the statements above, which of these is true?

- a) A and R both are true, and R is the correct explanation for A.
- b) A and R both are true, and R is the not the correct explanation for A.
- c) A is correct, R is incorrect.
- d) A and R both are incorrect.

73. Which of the following are the same for both the Supreme Court and High Courts?

- 1) Appointment procedure of Judges
- 2) Extent of writ issuing authority
- 3) Power to interpret the Constitution
- 4) Power of Judicial review of Central laws

Choose the correct answer using the codes below:

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

74. With reference to the Khilafat Movement, consider the following statements:

- 1) One of the causes of this movement was the Treaty of Sèvres (August 1920), which gave parts of the Turkish homeland to Greece and other non-Muslim powers.
- 2) The movement collapsed when Mustafa Kemal Atatürk abolished the caliphate altogether in 1924.

Which of the above statements is/are correct?

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

75. Due to temperature differences, warm air at equator rises up and cold wind from the Northern and Southern Polar Regions rush in, to take its place. But, the wind movement is not exactly in the North-South Direction because of

- a) rotation of Earth.
- b) revolution of Earth around the Sun.
- c) direction change by ocean currents and obstruction by clouds.
- d) obstruction by landscapes.

76. Design of the Vermi-processing toilets has been tested in India. Consider the following about it.

- 1) Excreta are treated by earthworms.
- 2) It is a totally dry technology.
- 3) Processed material is suitable for use as herbicide in farms.
- 4) Pilot projects in trains have been implemented with this toilet.

Choose the correct answer using the codes below:

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

77. Turning and loosening of soil is very important for cultivation of crops. Why?

- 1) Brings the nutrient-rich soil to the top.
- 2) Helps in the growth of earthworms and microbes present in the soil.
- 3) Reduces the harm caused by pesticides.

Choose the correct answer using the codes below:

- a) 1 and 3
- b) 2 and 3
- c) 1 and 2
- d) All of the above

78. Which of the following affects the propagation of electromagnetic waves?

- 1) Composition of the earth's atmosphere
- 2) Shape of earth
- 3) Amount of humidity present in the surrounding environment

Choose the correct answer using the codes below:

- a) 1 and 3
- b) 2 and 3
- c) 1 and 2
- d) All of the above

79. Gross primary productivity of an ecosystem is

- a) rate of production of organic matter during photosynthesis.
- b) rate of diversification of the species base every year.
- c) rate of gathering of organic matter by all possible natural processes.
- d) rate of nutrient cycling to and fro from soil.

80. With reference to the Parliamentary seats, the Constitution ensures that there is uniformity of representation

- 1) between the states.
- 2) between the different constituencies of the state.

Which of the above correctly complete the above statement?

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

81. Which of the following species found in India has been kept in the "critically endangered" in the IUCN red list?

- 1) Himalayan Quail
- 2) Indian Vulture
- 3) Siberian Crane
- 4) Namdapha Flying Squirrel

Choose the correct answer using the codes below:

- a) 1 and 4
- b) 2 and 3
- c) 1 and 2
- d) All of the above

82. Consider the following statements:

- 1) A given species may occupy more than one trophic level in the same ecosystem at the same time.
- 2) In most ecosystems, pyramids of energy and biomass are upright.

Which of these is/are true?

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

83. Panch Mahal, located in Agra, Uttar Pradesh is an example of

- a) Indo-Islamic Architecture.
- b) Indo-Roman Architecture.
- c) Indo-Saracenic Architecture.
- d) None of the above.

84. In ecological terminology, what is "sere"?

- a) Edge species that show greater diversity in the centre of an ecosystem.
- b) Entire sequence of communities that successively change in a given area.
- c) A sequence of communities that remains constant despite the change in the type of ecosystem in surrounding areas.
- d) None of the above.

85. Which are the major differences between carbon and phosphorus cycles in the atmosphere?

- 1) Atmospheric inputs of phosphorus through rainfall are much smaller than carbon inputs.
- 2) Gaseous exchanges of phosphorus between organism and environment are negligible.

Which of these is/are true?

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

86. Which of the following are ecosystem services that are hard and exorbitantly costly to replicate technologically?

- 1) Mitigating droughts
- 2) Pollinating crops
- 3) Providing carbon sinks
- 4) Nutrient cycling

Choose the correct answer using the codes below:

- a) 1 and 4
- b) 2, 3 and 4
- c) 1 and 2
- d) All of the above

87. Bio-magnification occurs when

- 1) the substance cannot be broken down by environmental processes.
- 2) the substance concentration increases progressively as it moves up a food chain.
- 3) low or non-existent rate of internal degradation or excretion of the substance by the living organisms.

Choose the correct answer using the codes below:

- a) 1 and 3
- b) 2 and 3
- c) 1 and 2
- d) All of the above

88. Purchasing power parity between two currencies means that

- a) both currencies have equal exchange rate.
- b) same goods in both currencies will effectively cost the same.
- c) both currencies can be replaced without buying and selling in the Forex market.
- d) All of the above.

✓ 89. Which of the following can be the uses of DNA fingerprinting?

- ✓ 1) To determine paternity of an individual.
- ✓ 2) To identify the dead bodies in any accident by comparing the DNA's of parents or children
- ✓ 3) To identify racial groups to rewrite biological evolution

Choose the correct answer using the codes below:

- a) 1 and 3
- b) 2 and 3
- c) 1 and 2
- ✓ d) All of the above

✓ 90. Atmospheric pollution is generally studied at

- 1) Stratospheric level.
- 2) Tropospheric level.
- 3) Ionospheric level.

Choose the correct answer using the codes below:

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

91. In a greenhouse, visible light passes through the transparent glass and heats up the soil and the plants. Apart from the sun's rays, greenhouse is also heated by

- ✓ a) infrared emissions from warm soil.
- b) infrared emissions from warm plants.
- c) infrared emissions from both warm soil and plants.
- d) infrared emissions from humidity present in the greenhouse.

✓ 92. Acid rain can be controlled by

- 1) using low sulphur content diesel in vehicles.

- 2) switching over to natural gas as fuels instead of coal or oil.
- 3) encouraging use of firewood rather than kerosene.

Choose the correct answer using the codes below:

- a) 1 and 3
- b) 2 and 3
- ✓ c) 1 and 2
- d) All of the above

✓ 93. Photochemical smog, a growing problem in urban areas, is most likely to happen in

- ✓ a) warm, sunny and dry climates.
- b) hot and humid climates.
- c) cold and dry climates.
- d) cold and humid climates.

94. Certain plants can metabolize nitrogen oxide and help control urban pollution. These plants are

- 1) Pinus
- 2) Quercus (Oak)
- 3) Vitis (Grapevines)
- 4) Juniparus

Choose the correct answer using the codes below:

- a) 1, 3 and 4
- b) 2 and 3
- c) 1 and 2
- d) All of the above

✗ 95. A patent is a set of exclusive rights granted by a sovereign state to an inventor or assignee for a limited period of time in exchange for

- a) detailed public disclosure of an invention.
- b) royalty from the state.
- ✓ c) monetary incentives from the users.
- d) commercial availability of the invention.

96. The Indian constitution is said to have a 'Federal System with Unitary Bias'. It means that

- 1) State governments are subservient to the Union government.
- 2) State governments derive their power from the Union government.
- 3) Union government is primarily responsible for the administration in the states.
- 4) All major decisions concerning states are taken by the Union government.

Choose the correct answer using the codes below:

- a) 1, 2 and 3
- b) 2 and 4
- c) 1 and 3
- d) None of the above

97. In the process of transpiration, the evaporation of water from leaves also helps in

- 1) transportation of water to great heights in the plant.
- 2) regulating the temperature of the plant.
- 3) absorbing more nutrients from the roots.

Choose the correct answer using the codes below:

- a) 1 and 3
- b) 2 and 3
- c) 1 and 2
- d) All of the above

98. The apex court of India, Supreme Court, was established under the

- a) Regulating Act of 1773
- b) Pitt's India Act 1784
- c) Charter Act 1833
- d) Queen's Durbar Proclamation 1911

99. The Dhamekh stupa is an imposing cylindrical structure of the Gupta age, partly built of stone and partly of brick. This site is looked upon with the greatest sanctity and became a flourishing Buddhist establishment with numerous temples, stupas and monasteries.

Where is this stupa located?

- a) Bodh Gaya
- b) Sarnath
- c) Kushinagar
- d) Rajgir

100. Choose the incorrect statement given below about 21st Commonwealth Games:

- a) With 26 Gold medals and a total of 66 medals, India finished 3rd in the tournament.
- b) 21st Commonwealth Games were held in Gold Coast (Ghana).
- c) Saikhom Mirabai Chanu won the first gold medal in weightlifting for India on first day.
- d) In Shooting, maximum number of medals has been won.

***** END *****