



# All India Civil Services Coaching Centre

(Under the aegis of Government of Tamil Nadu)

## TEST BOOKLET

### Test 6 – GS Paper I

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**Time Allowed: 2 Hours**

**Maximum Marks: 200**

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## INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET
2. You have to enter your Name on the Test Booklet
3. This Test Book contains 100 items (questions). Each it 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 response ONLY on the separate sheet provided along with the Test Booklet.
5. All items Carry equal marks. There will be **penalty (negative marking)** for wrong answers marked by you in the Answer sheet.
6. There are four alternatives for the answers to every question. For each question for which a wrong answer has been given by the candidate, one third ( $\frac{1}{3}$ ) of the marks assigned to that question will be deducted as penalty.
7. If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will same penalty as above for that question.
8. If a question is left blank i.e., no answer is given by the candidate, there will be no penalty for that question.

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE ASKED TO DO SO**



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- With respect to money bill, which of the following statements is/are correct?
  - Rajya Sabha has no power to reject the money bill.
  - Rajya Sabha is given maximum one month time to recommend changes with respect to money bill.Choose the correct answer from the code given below:
  - 1 only
  - 2 only
  - both 1 and 2
  - neither 1 nor 2
- Which among the following is/are the criteria for the identification of wetlands of national importance as per the National Wetland Conservation Program (UWCP)?
  - If it supports vulnerable, endangered, or critically endangered species; or threatened ecological communities.
  - If it supports populations of plant and/or animal species important for maintaining the biological diversity of a particular biogeographic region.
  - If it supports plant and/or animal species at a critical stage in their life cycles, or provides refuge during adverse conditions.Select the correct answer using the code given below:
  - 2 and 3 only
  - 1 and 3 only
  - 1 only
  - 1, 2 and 3
- Which of the following metals are required in large quantities by living organisms?
  - Potassium, manganese, molybdenum and calcium
  - Potassium, molybdenum, copper and calcium
  - Potassium, sodium, magnesium and calcium
  - Sodium, magnesium, copper and Manganese
- Consider the following statements with respect to taxation of local governments in India:
  - Property taxes are the only sources of direct tax revenue at the third tier of government.
  - The tax collections of local governments from potentially buoyant sources of revenue are generally stacked at very low levels.Which of the above statement is/are correct?
  - 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
- In the context of temples in Ancient India the term 'Sutradhara' was used for
  - one who supervised construction of a temple.
  - one who composed eulogy on the diety of the temple.
  - the main axis of the temple.
  - chief patron of the temple.
- Which of the following statements is/are correct regarding troposphere?
  - All changes in climate and weather take place in this layer.
  - This layer contains dust particles and water vapour.
  - This is the most important layer for all biological activity.

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

7. Consider the following statements regarding the Non-governmental organisations (NGOs):

- 1. A non-governmental organization (NGO) is a non-profit group that functions independently of any government.
- 2. Foreign funding of NGOs in India is regulated under FCRA Act and is implemented by Ministry of Home Affairs.
- 3. The constitution provides for the formation of NGOs as a Fundamental Right.

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

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

8. Consider the following statements regarding the Centralized Public Grievance Redress and Monitoring System' (CPGRAMS):

- 1. CPGRAMS is a standardized web based solution and an integrated application to register and to redress the grievances received online, by post and by hand.
- 2. CPGRAMS facilitates forwarding of public grievances received online from the citizens to both the Central Government Ministries/Departments/Organizations only.

Which of the above statement/s is/are incorrect?

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

9. The Arunachal Pradesh government decided to "keep in abeyance" the survey work for a road through the Pakke Tiger Reserve (PTR). In this context, consider the following

statements regarding the Pakke Tiger Reserve (PTR):

- 1. It is known for its amazing sightings of four resident hornbill species.
- 2. It is bounded by Bhareli or Kameng River in the east.
- 3. It falls within the Eastern Himalaya Biodiversity Hotspot.

Which of the above statements are correct?

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

10. Consider the following features of the Red and Yellow soil found in India:

- 1. It develops on crystalline igneous rocks.
- 2. It develops a reddish colour when it is in a hydrated form.
- 3. It is rich in nitrogen only.

Which of the above statements are incorrect?

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

11. With reference to the draft Environment Impact Assessment Notification 2020, consider the following statements:

- 1. As per the draft notification, all projects and activities have been divided into three categories based on the potential social and environmental impacts and spatial extent of these impacts.
- 2. As per the draft, the cases of violation will be appraised by the Appraisal Committee.

Which of the above statements is/are correct?

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

12. Consider the following statements:

- 1. Surakshit Matritva Aashwasan Initiative (SUMAN) will provide quality healthcare at zero cost to pregnant women, new mothers and new borns.

2. "LaQshya" (Labour room Quality Improvement Initiative) will benefit every pregnant woman and new born delivering in public as well as private health institutions.
3. Pradhan Mantri Surakshit Matritva Abhiyan provides antenatal care, free of cost, universally to all pregnant women on the 9th of every month.

Which of the above statements regarding the various health initiatives taken for women by government are correct?

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

13. Consider the following statements regarding the Inequality-Adjusted Human Development Index (IHDI):

1. The Inequality-Adjusted Human Development Index (IHDI) indicates percentage increase in HDI due to inequality.
2. It is computed as the geometric mean of dimension indices adjusted for inequality.
3. IHDI does not account for overlapping inequalities i.e. whether the same people are at the lower end of each distribution.

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

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

14. Consider the following statements:

1. Harappan script is regarded as pictographic script.
2. The Harappan script was boustrophedon, written from left to right and right to left in alternate lines.
3. The Harappan script has not been deciphered yet.

Which of the above statements is/are correct?

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

- (d) 3 only

15. With reference to the Tropical Thorn Forests, consider the following statements:

1. Wild Date Palm is one of the plant species found here.
2. Grasses and Shrubs are found in abundant.
3. These forests are found in Punjab, Haryana, and Jharkhand in India.

Which of the above statements is/are incorrect?

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

16. If RBI cuts down the repo rate, it will have the following impact:

1. It may benefit the borrowers as EMIs (equated monthly installments) will decrease.
2. It will increase investment in the economy.
3. It may lead to inflation in the country.

Which of the above statements are correct?

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

17. Which of the following statements with respect to Fundamental Duties is/are correct ?

1. They were included in the constitution by enacting 42<sup>nd</sup> constitutional amendment act.
2. They were non-justiciable in nature.

Choose the correct answer from the code given below :

- (a) 1 only
- (b) 2 only
- (c) both 1 and 2
- (d) neither 1 nor 2

18. Consider the following statements regarding the Mauryan Empire:

1. Chandragupta Maurya was an autocrat who concentrated all power in his hands.

2. The largest expansion of the empire took place under King Ashoka.  
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
19. Which of the following statements is/are correct about the Fiscal Responsibility Management Act (FRBMA), 2003?  
1. States need to take prior permission from the central government for market borrowing.  
2. It aimed to reduce Fiscal deficit and revenue deficit contingent liabilities and total liabilities.  
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
20. Which of the following land reform measure(s) was/were taken by the government in Post - Independence period?  
(a) Abolition of Intermediaries  
(b) Tenancy Reforms  
(c) Re-organisation of Agriculture  
(d) All of the above
21. Debris avalanche and landslides occur very frequently in the Himalayas. Which of the following can be the reasons?  
1. The Himalayas are tectonically stable.  
2. They are mostly made up of sedimentary rocks and unconsolidated rocks.  
3. Slopes are very steep in Himalayas.  
Select the correct answer using the code given below:  
(a) 1 and 2 only  
(b) 2 and 3 only  
(c) 1 and 3 only  
(d) 1, 2 and 3
22. Consider the following description:  
'These forests are well stratified, with layers closer to the ground and are covered with shrubs and creepers, with short structured trees followed by a tall variety of trees.'  
Which of the following forests is best described in the above passage?  
(a) Tropical Evergreen Forests  
(b) Tropical Semi-Evergreen Forests  
(c) Temperate Forests  
(d) Tropical Deciduous Forests
23. Consider the following statement regarding Exfoliated Domes and Exfoliated Torse:  
1. Both are developed from expansion due to unloading and pressure release.  
2. Exfoliated domes are large, smooth rounded domes, while exfoliated tors are smooth, surfaced and rounded small to big boulders.  
Which of the above statements is/are incorrect?  
(a) 1 only  
(b) 2 only  
(c) Both 1 and 2  
(d) Neither 1 nor 2
24. Consider the following statements with regard to 'right to property':  
1. Originally right to property was a fundamental right.  
2. At present, the right to property is a legal right.  
3. The right to property was made a legal right through 42<sup>nd</sup> Amendment Act.  
Which of the above is/are correct ?  
(a) 2 only  
(b) 2 and 3 only  
(c) 1 and 2 only  
(d) 1, 2 and 3
25. Bleeding of gums, falling of teeth, fragile bones and delayed healing would occur due to deficiency of which of the following vitamins:  
(a) Vitamin C  
(b) Vitamin K  
(c) Vitamin D  
(d) Vitamin B
26. With reference to 'Eco-Sensitive Zone', which of the following statements is/are correct?

1. It acts as a buffer for further protection around Protected Areas (PAs) such as National Parks and Wildlife sanctuaries.
2. It is notified under Environment (Protection) Act, 1986.
3. The purpose of the declaration of eco-sensitive zones is to prohibit all kinds of human activities, in those zones except agriculture.

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

27. Some animals are physiologically and behaviorally adapted to desert conditions. Which of the following features of animals describe the same?

1. They are fast runners.
2. They are nocturnal inhabit.
3. Animals and birds usually have short legs.
4. Animals excrete concentrated urine.

Select the correct answer using the code given below:

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

28. Consider the following statements regarding the ancient Indian Mahajanapadas that came into existence during the sixth-century B.C. :

1. No Mahajanapada was located in Gangetic delta.
2. All Mahajanapadas were monarchical where power was exercised by a king.
3. The term Janapada is known from the days of the vedic literature.

Which of the above statements is/are correct?

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

29. Select the correct statement regarding Tantric worship:

- (a) Tantric practices were open to both men and women.
- (b) Tantric practitioners recognized caste and class differences within ritual context.
- (c) Tantric worship was confined to Eastern India.
- (d) Tantric worshippers recognized the authority of vedas.

30. Which of the following statements is/are correct regarding Make in India Programme?

1. It promotes manufacturing sector only.
2. It is being led by Ministry of Commerce and Industry.
3. New Infrastructure is one of the core pillars of this programme.

Select the correct answer using the codes given below:

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

31. With reference to the Law of Demand, consider the following statements:

1. There is a direct relationship between demand for a commodity and its price.
2. As the marginal utility of the commodity diminishes, its demand decreases.

Which of the above statements is/are incorrect?

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

32. Consider the following statements regarding the tools of monetary policy used by RBI:

1. Liquidity Adjustment Facility (LAF) helps the RBI to transmit interest rate signals to the market.
2. In Open market Operations, central bank purchases or sells bonds in the open market in order to regulate money supply in the economy.

Which of the above statements is/are incorrect?

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

- (c) Both 1 and 2  
(d) Neither 1 nor 2
33. The Parliament has powers with respect to
1. formation of new states
  2. alteration of boundaries of states
  3. changing the name of states
- Select the correct answer using the code given below :
- (a) 1 only  
(b) 2 only  
(c) 1 and 2 only  
(d) 1, 2 and 3
34. Article 15 prohibits discrimination on grounds of
1. race
  2. religion
  3. caste
  4. wealth
- Which of the above are correct ?
- (a) 1 and 2 only  
(b) 1, 2 and 3 only  
(c) 1, 2 and 4 only  
(d) All of the above
35. Which of the following statements is/are correct regarding Matterhorn Mountain, where more than 1000 meters in size Indian Tricolour was projected recently?
1. It is a part of Apennine Mountains.
  2. It separates the main watershed and border between Switzerland and Italy.
  3. It is the highest summit in the Europe.
- Select the correct answer using the code given below:
- (a) 2 only  
(b) 1 and 2 only  
(c) 2 only  
(d) 1 and 3 only
36. Which of the following statement is correct about Operation Sanjeevani?
- (a) An all-out offensive by India's paramilitary forces against the Naxalites  
(b) An operation against insurgents in North East India  
(c) Operation by the Indian Navy to evacuate Indian citizens from Yemen  
(d) Essential medicines supplied to the Maldives by Indian Air Force
37. "Sarajevo Haggadah" a valuable manuscript written on parchment was originated in which country?
- (a) Spain  
(b) Portugal  
(c) Germany  
(d) France
38. Consider the following statements regarding Drake Passage:
1. The Passage is located between Cape Horn at the tip of South America and the Antarctic Peninsula.
  2. Last year, an all-woman Indian Navy team on Indian Naval Sailing Vessel (INSV) Tarini had failed to cross the Passage.
- Which of the above statements is/are correct?
- (a) 1 only  
(b) 2 only  
(c) Both 1 and 2  
(d) Neither 1 nor 2
39. The earliest Bhakti movements were led by Alvars and Nayanars. In this context, consider the following statements:
1. Alvars were the devotees of Shiva while Nayanars were the devotees of Vishnu.
  2. Both Alvars and Nayanars initiated a movement of protest against the caste system.
  3. Women devotees were present among Alvars while they were absent in Nayanars.
  4. Opposition to Buddhism and Jainism is particularly marked in the compositions of Nayanars.
- Which of the above statements are correct?
- (a) 1 and 2 only  
(b) 1 and 4 only  
(c) 2 and 4 only  
(d) 3 and 4 only
40. Consider the following statements regarding Chola kingdom:

1. They put greater stress on dana(gift) than on yajna (sacrifice).
2. During Cholas, 'Ur' referred to the settlements of peasants.

Which of the above statements is/are correct?

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

41. Consider the following statements with respect to the Chisti Order:

1. It was the most influential of the groups of Sufis who migrated to India.
2. Both Amir Khusrau and Ziyauddin Barani were associated with Chisti order.
3. Sama or performance of mystical music was integral to the Chishtis.
4. Alauddin Khalji was the first sultan to visit the dargah of Khwaja Muinuddin.

Which of the above statements are correct?

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

42. It is one of the highest ecosystems in the world. It includes a range of ecotones, varying from sub-tropic to Arctic, as well as natural forests in different biomes. Recently it has been included in the UNESCO designated World Network of Biosphere Reserves (WNBR). Identify the National Park mentioned in the above passage?

- (a) Namdapha
- (b) Nokrek
- (c) Nanda Devi
- (d) Khangchendzonga

43. Which of the following statements regarding speciation is/are correct?

1. Speciation is a process within evolution that leads to the formation of new, distinct species that are reproductively isolated from one another.
2. Sympatric speciation occurs when a population of organisms becomes isolated from their main group due to geographical barriers.

3. The main mechanisms resulting in allopatric speciation involve changes in the chromosomes of the organism.

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

44. With reference to the 'Special Officer for Linguistic Minorities', consider the following statements:

1. The Constitution originally included the provision for the office of the Special Officer for Linguistic Minorities.
2. The Constitution specifies the procedure for removal of the Special Officer for Linguistic Minorities.

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

45. Which of the following provisions require special majority in both houses of the Parliament and ratification by at least half of the State Legislatures?

1. Election to State Legislature
2. Supreme Court
3. Fifth and Sixth Schedule
4. Lists in the Seventh Schedule
5. Power of Parliament to amend Article 368

Select the correct answer using the code given below:

- (a) 1, 2 and 4 only
- (b) 2, 4 and 5 only
- (c) 1, 4 and 5 only
- (d) 1, 2, 3, 4 and 5

46. With reference to the 'Charter Act of 1853', consider the following statements:

1. The act for the first time treated 'legislation' as a special function of the British Government.

2. The Governor-General of India was given exclusive legislation rights for entire British India.
3. It introduced local representation in Indian (Central) Legislative Council.
- Which of the statements given above is/are correct?
- (a) 1 and 2 only  
(b) 2 and 3 only  
(c) 1 and 3 only  
(d) 1, 2 and 3
47. In the context of solar radiation, consider the following statements:
1. The earth's surface receives most of its energy in short wavelengths.
  2. During earth's revolution around the sun, position of earth on 4th July is called perihelion.
  3. During earth's revolution around the sun, the position of the earth on 3rd January is called aphelion.
- Which of the above statements is/are correct?
- (a) 1 and 2 only  
(b) 1 only  
(c) 3 only  
(d) 1 and 3 only
48. Consider the following statements regarding Coriolis force:
1. It decreases in moving towards the poles.
  2. It acts parallel to the pressure gradient force and strengthens the wind speed.
- Which of the above statements is/are correct?
- (a) 1 only  
(b) 2 only  
(c) Both 1 and 2  
(d) Neither 1 nor 2
49. Which of the following statements is/are correct regarding Igneous Rocks?
1. The process of cooling and solidification of magma happens either in the earth's crust or on the surface of the earth.
  2. Sudden cooling of magma at the surface of the earth results in small and smooth grains.
3. Gabbro, breccia, and tuff are some of the examples of the igneous rocks.
- Select the correct answer using the code given below:
- (a) 3 only  
(b) 1 and 2 only  
(c) 1 and 3 only  
(d) 1, 2 and 3
50. "Cloud is a mass of minute water droplets or tiny crystals of ice formed by the condensation of the water vapour in free air at considerable elevations". In this context, consider the following statements:
1. Cirrus clouds are always white in colour.
  2. Cumulus clouds look like cotton wool and they have a circular base.
  3. Nimbus clouds are black or dark grey in colour.
- Which of the above statements is/are correct?
- (a) 1 only  
(b) 1 and 3 only  
(c) 2 and 3 only  
(d) 1, 2 and 3
51. Which of the following statements regarding ExoMars is/are correct?
1. It is a joint mission to Mars by the American space agency (NASA) and the Indian Space Agency (ISRO).
  2. It is an astrobiology project to investigate whether life has ever existed on Mars.
- 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
52. Recently, 'Poona Citizen Doctors' forum dispelled beliefs on commercial cord blood banking. In this context, consider the following statements regarding cord blood:
1. It is the blood that remains in the umbilical cord and placenta post-delivery.
  2. It contains special cells called hematopoietic stem cells.

3. Hematopoietic stem cells are also found in blood and bone marrow in adults and children.

Which of the above statements is/are correct?

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

53. Consider the following statements regarding the Central Adoption Resource Authority (CARA):

- 1. It is an autonomous body of the Union Ministry of Human Resource Development.
- 2. It regulates in-country and inter-country adoptions following the provisions of The Hague Convention on Inter-Country Adoption, 1993 ratified by the Government of India.

Which of the above statements is/are correct?

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

54. Archimedes' principle and law of floatation explains which of the phenomena?

- 1. When the ice melts in water the level of water remains unchanged.
- 2. It is easier to swim in the sea.
- 3. A solid chunk of iron will sink in the water but float in mercury.

**Codes:**

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

55. Consider the following statements with respect to the Sugar Charcoal:

- 1. It is purified by boiling with acids to remove any mineral matter.
- 2. It can be solidified even at the room temperature but under lower pressure.
- 3. It can be converted into solid state, known as dry ice which can be used as a coolant in nuclear reactors.

Which of the above given statements are incorrect?

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

56. What are the components of Revenue Expenditure of Central Government?

- 1. Interest paid to the states
- 2. Grants given
- 3. Pension
- 4. Loan given to the states by the centre

Select the correct answer using the code given below:

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

57. With reference to the Gini Coefficient, consider the following statements:

- 1. Rise in the Gini Coefficient indicates that income inequality is decreasing in an economy.
- 2. Its value varies anywhere from zero to 1, where zero indicates perfect equality and one indicates the perfect inequality.

Which of the above statements is/are correct?

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

58. With reference to Buddhism, consider the following statements:

- 1. It does not recognize the existence of soul.
- 2. In comparison with Brahmanism, Buddhism was more liberal and democratic.
- 3. The use of Prakrit language helped in the spread of Buddhism.

Which of the above statements is/are correct?

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

59. Consider the following statements regarding the Mansabdari system:

1. It was a bureaucratic-cum-military system.
2. Mansabdars received their salaries as revenue assignments called jagirs.
3. Mansabdars used to reside in their own Jagirs for its effective administration.

Which of the statements given above is/are correct?

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

60. With reference to the Mughal dynasty, which of the following statements is/are correct?

1. They were Chaghtai Turks.
2. Turkish was their mother language.
3. The Mughal court chronicles were written in Persian language.

Select the correct answer using the code given below:

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

61. Consider the following statements regarding Avangard missile system:

1. It is Russia's new intercontinental subsonic missile system.
2. Its manoeuvring capability makes it difficult to predict its trajectory and gives it the ability to protect itself from the air and ballistic missile defences.

Which of the above statements is/are correct?

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

62. Consider the following statements regarding Swap Ratios:

1. It is an exchange ratio which is often used in instances of merger and acquisitions.

2. To calculate the swap ratio, companies analyzes only two financial ratios such as book value, earnings per share.

3. The current market prices of the target and acquiring company's stock are compared along with their respective financial situations.

Which of the above statements are correct?

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

63. Which of the following statements regarding the differences between payment aggregators and payment gateways is/are correct?

1. Payment aggregators in India allow the merchants to deal in a specific payment option put on the portal, whereas Payment gateways offer multiple options for payment, from bank transfers, credit/debit cards, e-wallet transactions, etc.

2. Payment Gateways play the role of an intermediary with merchants and customers who want to pay for any goods or services they are purchasing from the site. A payment aggregator is more an interface through which said intermediaries accept payments and make settlements.

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

64. Consider the following statements related to Biological Oxygen Demand :

1. It is the amount of dissolved oxygen needed by bacteria to decompose the organic wastes present in water

2. Higher BOD implies lower Dissolved Oxygen content of water

3. BOD is a better indicator of water pollution than Chemical Oxygen Demand

Which of the statements given above is/are correct?

- (a) 2 only

- (b) 1 and 2 only  
 (c) 1 and 3 only  
 (d) All the above
65. Consider the following statements with reference to Black Carbon:
1. It's affected is limited as it stays in atmosphere for only several days to weeks.
  2. They move up in the stratosphere and deplete the ozone layer.
  3. It accelerates the melting of glaciers.
- Which of the statements given above is/are correct?
- (a) 1 and 2 only  
 (b) 2 and 3 only  
 (c) 1 and 3 only  
 (d) 1, 2 and 3
66. Consider the following statements about smog:
1. Smog is unhealthy to humans and animals, and it can kill plants.
  2. Photochemical smog is produced when sunlight reacts with nitrogen oxides and at least one volatile organic compound (VOC) in the atmosphere.
- 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
67. Which of the following statements is/are correct?
1. Carbon monoxide (CO) is an odourless and colourless gas.
  2. The most common symptoms of CO poisoning are upset stomach, vomiting and confusion.
  3. Like flu, carbon monoxide poisoning causes a high temperature.
- Select the correct answer using the code given below:
- (a) 1 and 2 only  
 (b) 2 only  
 (c) 1 and 3 only  
 (d) 1, 2 and 3
68. Consider the following statements regarding the State Public Service Commission (SPSC)?
1. The members of the SPSC can be removed by the Governor.
  2. An enquiry by Supreme Court is mandatory in case of removal of SPSC member on grounds of misbehaviour.
  3. Supreme Court's advice for removal of the chairman or member is binding on the President.
- Which of the statements given above is/are correct?
- (a) 1 only  
 (b) 1 and 2 only  
 (c) 2 and 3 only  
 (d) 1, 2 and 3
69. Consider the following statements about the writ jurisdiction:
1. The writ of habeas corpus can be issued against public authorities only.
  2. The writ of certiorari is not available against legislative bodies.
  3. The writ of prohibition can be issued only against the Judicial and Quasi-Judicial bodies.
- Which of the statements given above is/are correct?
- (a) 1 and 2 only  
 (b) 2 and 3 only  
 (c) 1 and 3 only  
 (d) 1, 2 and 3
70. Consider the following statements, with reference to the election and impeachment of the President:
1. During election of the President only elected members of the Parliament take part whereas during impeachment both the elected and nominated members take part.
  2. The sum of the value of votes of all MLAs is equal to the sum of value of votes of all MPs.
  3. The process of impeachment is a purely executive process done by the legislators.
- Which of the statements given above is/are correct?
- (a) 1 and 2 only  
 (b) 2 and 3 only

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

71. As per the provisions of the Constitution the phrase 'Collective Responsibility' means:
- (a) Each member of Union Council of Ministers is individually responsible to the President.
  - (b) Each member of Union Council of Ministers is individually responsible to the Prime Minister.
  - (c) A member of Union Cabinet is not bound by the Cabinet decision.
  - (d) Union council of ministers as a body is responsible to the Lok Sabha.

72. Consider the following statements regarding Drainage Patterns:
1. When the rivers originate from a hill and flow in all directions, the drainage pattern is known as 'centripetal'
  2. The drainage pattern resembling the branches of a tree is known as "dendritic"

Which of the above statements is/are incorrect?

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

73. Match the following:

Term	Definition
A. Lithification	1. Arrangement of minerals into thin to thick layers appearing in light and dark shades
B. Foliation	2. Turning of fragments into rocks through compaction
C. Banding	3. Arrangement of minerals in layers in metamorphic rocks

Select the correct answer using the code given below:

- |     | A | B | C |
|-----|---|---|---|
| (a) | 2 | 3 | 1 |
| (b) | 3 | 2 | 1 |
| (c) | 2 | 1 | 3 |
| (d) | 1 | 2 | 3 |

74. Consider the following statements regarding Atmospheric Pressure:

1. It is the force per unit area exerted against a surface by the weight of the air below that surface down to the Sea Level.
2. As we go vertically upwards, we feel lower pressure.

Which of the above statements is/are correct?

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

75. With reference to 'Sagarvani', recently seen in news, which among the following is/are correct?

1. It is an integrated information dissemination system launched by Ministry of Earth Science.
2. It will serve the coastal community, especially the fishermen community with advisories and alerts towards their safety at Sea.
3. Television and cable network mediums are also used for dissemination services.

Select the correct code:

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

76. Consider the following statements:

1. Air Independent Propulsion System is an aircraft propulsion technology which operates without using oxygen for combustion
2. Scramjet is air-breathing propulsion system that can operate at supersonic speeds.

Which of the above statement is/are correct?

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

77. What is / are the advantage / advantages of setting up of cold storage facility in Food Processing Industry?

1. It increases the respiration level of fresh foods.
2. It increases resistance to ethyleneaction.
3. It increases transpiration level.
4. It decreases activity of microorganisms.

Select the correct code:

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

78. Which of the following statements regarding DNA Technology (Uses and Application) Regulation Bill, 2019 is/are correct?

1. The bill aims at strengthening the criminal justice delivery system of the country.
2. The bill provides for the establishment of a DNA Regulatory Board chaired by Minister of Science & Technology.
3. The bill provides for consent based collection of DNA for DNA Profiling in all categories of cases.

Select the correct answer using the code given below:

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

79. Consider the following statements regarding Atmospheric Waves Experiment (AWE):

1. This experiment will be launched by Indian Space Research Organization (ISRO).
2. It will forecast the vast space weather system around our planet.
3. It will be attached to Cartosat-3 satellite.

Which of the above statements is/are correct?

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

80. Which of the following parts of the Constitution has provisions explicitly related to environment?

1. Fundamental Duties
2. Fundamental Rights

3. Directive Principles of State Policy
4. Seventh Schedule
5. First Schedule

Select the correct answer using the code given below:

- (a) 1, 3 and 4 only
- (b) 1, 2 and 5 only
- (c) 3 and 4 only
- (d) 1, 2, 3, 4 and 5

81. Which of the following statements is incorrect about the Bioremediation technology?

- (a) Bioremediation is the use of living micro-organisms to degrade the environmental contaminants into less toxic forms.
- (b) It uses naturally occurring bacteria and fungi only to degrade or detoxify substances hazardous to human health and/or the environment.
- (c) It can be effective only where environmental conditions permit microbial growth and activity.
- (d) Biodegradation of a compound is often a result of the actions of multiple organisms.

82. Consider the following statements with reference to Genetic Engineering Advisory Committee(GEAC):

1. It works under Dept. of Biotechnology, Ministry of Science and Technology.
2. It regulates manufacturing, use, import, export and storage of hazardous micro-organisms or genetically engineered organisms (GMOs) and cells in the country.

Select the correct answer using the codes given below:

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

83. With reference to the Inflation, what does the term Stagflation refer to?

- (a) It refers to the reduction of rate of inflation.
- (b) It refers to combination of inflation and rising employment.

- (c) It refers to rise in price of one or small group of commodities over a sustain period of time, along with decreasing prices in others.
- (d) It refers to combination of inflation and rising unemployment due to recession.
84. Which of the following are the components of Fiscal deficit?
1. Government's net borrowing at home.
  2. Government's borrowing from abroad
  3. External Commercial Borrowings of private sector
  4. Government's borrowing from RBI
- Select the correct code:
- (a) 1 and 2 only  
 (b) 1, 2 and 4 only  
 (c) 1, 3 and 4 only  
 (d) 2 and 4 only
85. With reference to the India Brand Equity Foundation, consider the following statements:
1. It is established by the Ministry of External Affairs.
  2. It is established as an Investment Promotion Agency for creating 'brand India'.
  3. It is fully funded, owned and controlled by the Union Government.
- Which of the above statements is/are correct?
- (a) 1, 2 and 3  
 (b) 1 only  
 (c) 1 and 2 only  
 (d) 2 and 3 only
86. Which of the following was/were the chief features of the Indian feudal economy and polity?
1. Slump in crafts, commerce, and urban decay resulted in stagnant rural economy
  2. Excessive legal levies such as vishti or forced labor on the peasantry community.
  3. Strong central and provincial political authority.
- Select the correct answer using the code given below:
- (a) 1 only
- (b) 1 and 2 only  
 (c) 2 and 3 only  
 (d) 1 and 3 only
87. Consider the following statements regarding the Government of India Act 1858:
1. It created a new office of Viceroy of India, vested with complete authority and control over Indian administration.
  2. It was also known as the Act for the Good Government of India.
- 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
88. With reference to Ryotwari settlement, consider the following statements:
1. It was introduced in Madras and Bombay Presidencies in the late 1890s.
  2. It led to the establishment of a system of peasant ownership.
  3. The Ryotwari system was planned by John Shore.
- Which of the above statements is/are incorrect?
- (a) 1 and 2 only  
 (b) 2 only  
 (c) 2 and 3 only  
 (d) 1, 2 and 3
89. Consider the following statements regarding the role of the Press in the growth of nationalism during 1858-1905:
1. It acted as an instrument through which Indians spread the message of patriotism.
  2. It led to the popularization of idea of democracy and industrialization among the people.
- Which of the above statements is/are correct?
- (a) 1 only  
 (b) 2 only  
 (c) Both 1 and 2  
 (d) Neither 1 nor 2

90. As per the Indian Constitution, the Gram Sabha is a body consisting of:
- The whole population of the village under the Panchayat.
  - The adult population of the village under the Panchayat.
  - The registered voters of the village under the Panchayat.
  - All the Village committees constituted by the Panchayat.

91. With reference to constitutional safeguards provided to SCs and STs under the Indian Constitution, consider the following statements:

- The Constitution does not specify the castes or tribes which are to be called Scheduled.
- In the matters of promotion to the public services (centre), the standard of evaluation can be lowered in favour of SCs/STs.
- The Centre should pay grants-in-aid to the states for meeting the costs of schemes for welfare of SCs and STs.

Which of the statements given above is/are correct?

- 1 and 2 only
- 2 and 3 only
- 1 and 3 only
- 1, 2 and 3

92. Consider the following statements regarding the office of Whip in the Indian parliamentary system:

- It is mentioned in the constitution.
- Only National Political parties are authorized to have a Whip in the house.
- A Whip's job is to serve as an assistant floor leader for the political party.

Which of the statements given above is/are correct?

- 1 and 2 only
- 3 only
- 2 and 3 only
- 1 and 3

93. Which of the following statements is/are incorrect regarding recommendations of Cabinet Mission Plan?

- It accepted the demand of Pakistan.
- It provided for three-tier government at union and two tier at provincial level.

Select the correct answer using the code given below:

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

94. Which of the following statements are incorrect regarding Civil Disobedience Movement?

- It was started with Dandi March by Mahatma Gandhi on 12th March, 1930.
- North-East India remained unaffected by this movement.
- In the north-west the most famous leader was Abdul Gaffar Khan, nicknamed as "Frontier Gandhi".
- During it, the Maratha soldiers refused to fire on the unarmed crowd at Peshawar.

Select the correct answer using the code given below:

- 1 and 3 only
- 2 and 3 only
- 2 and 4 only
- 3 and 4 only

95. Consider the following statements about the Arunachal Himalayas:

- Prominent tribal community from east to west are the Monpa, Abor, Mishmi, and Nyishi.
- Due to rugged topography, the inter valley transportation linkages are nominal.
- Most of the inter-valley transportation is carried through the duar region.

Which of the above statements is/are correct?

- 1 only
- 3 only
- 2 and 3 only
- none of the above

96. Consider the following statements regarding the dew formation in the atmosphere:

1. The ideal conditions for its formation are a clear sky, calm air, high relative humidity, and cold and long nights.
2. For the formation of dew, it is necessary that the dew point is below the freezing point.

Which of the above statements is/are correct?

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

97. "The Himalayas along with other Peninsular mountains are young, weak and flexible in their geological structure unlike the rigid and stable Peninsular Block". The Phrase is justified by:

1. They are still subjected to the interplay of exogenic and endogenic forces, resulting in the development of faults, folds and thrust plains.
2. These mountains are tectonic in origin, dissected by fast-flowing rivers.

Which of the above statements is/are correct?

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

98. Consider the following passage about Bio Fortified Carrots:

1. It has been developed by The Indian Agricultural Research Institute (IARI).
2. The bio-fortified carrot has been developed through selection method.
3. It is rich in  $\beta$ -carotene and iron.

Which of the statements given above are correct?

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

99. Consider the following statements regarding the Chaitra Jatra festival:

1. It is celebrated at Tara Tarini hill shrine in the state of Odisha.
2. The shrine is located on the banks of river Baitarani.
3. The shrine is a major centre of Shakti worship in Odisha.

Which of the above statements are correct?

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

100. With reference to Kurzarbeit scheme seen recently in news, consider the following statements:

1. Payment under Kurzarbeit is calculated on the basis of net loss of earnings.
2. The policy provides for a short-time work allowance, called kurzarbeitgeld, which partially compensates for lost earnings during uncertain economic situations.

Which of the above statements is/are correct?

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