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# SRI CHAITANYA IAS ACADEMY

TEST BOOKLET SERIES

TEST BOOKLET  
GENERAL STUDIES

A

PAPER - I

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*Time Allowed : Two 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. ENCODE CLEARLY THE TEST BOOKLET SERIES. AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE ANSWER SHEET.
3. You have to enter your Roll Number on the Test Booklet in the Box provide alongside.

**DO NOT** write *anything else* on the Test Booklet.

4. This Test Booklet contains **100** items (questions). Each item comprises four responses (answer). 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.
5. You have to mark all your response **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
6. All items carry equal marks.
7. After You have completed filling in all your response on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator **only the Answer Sheet**. You are permitted to take away with you the Test Booklet.
8. Sheet for rough work are appended in the Test Booklet at the end.

### 9. Penalty for Wrong answers:

THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.

- (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one-third of the marks assigned to that question will be deducted as penalty.
- (ii) If a candidate gives more than one answer, it will be treated as wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to that question.
- (iii) If a question is left blank. i.e, no answer is given by the candidate, there will be no penalty for the question.

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| 1. Which of the following Gandhian Principles were incorporated in the Indian Constitution?<br><br>(1) Organisation of village Panchayats<br><br>(2) Establishment of cottage and small scale industries in rural areas<br><br>(3) Prohibition on use of intoxicating liquor except for medicinal purposes<br><br>(4) Efforts to be made for the development of weaker or backward sections of the society<br><br>Select the correct answer from the codes given below:<br><br>(a) 1 and 2                      (b) 1, 3 and 4<br><br>(c) 2 and 3                      (d) 1, 2, 3 and 4 |   |   |   |   |   |   |   |   |
| 2. The direction of a horizontal line on an inclined rock strata is known as<br><br>(a) Anticline                      (b) Dip<br><br>(c) Syncline                      (d) Strike                                                                                                                                                                                                                                                                                                                                                                                                       |   |   |   |   |   |   |   |   |
| 3. Match List – I with List – II and select the correct answer from the codes given below:<br><br>List – I                                      List - II<br><br>(A) Persian Gulf                      (1) Separates Arabian peninsula from plateau of Iran<br><br>(B) Gulf of Oman                      (2) between Iranian plateau and Oman<br><br>(C) Gulf of Aden                      (3) between Somalia and Yemen<br><br>(D) Gulf of Aqaba                      (4) between Jordan and Egypt                                                                                      |   |   |   |   |   |   |   |   |
| 4. The premise that ‘the present-day processes have been operating throughout geological time’ is the principle of:<br><br>(a) Isostasy                      (b) Diastrophism<br><br>(c) Uniformitarianism      (d) Catastrophism                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |   |   |   |   |
| 5. Chemical mark is put at the base of the nail of index finger while exercising your franchise. This mark is not seen after two months or so because<br><br>(a) it is worn out by constant washing with soap and water.<br><br>(b) constant contact of the hands with hard water corrodes the mark<br><br>(c) the formation of new nail, forcibly removes the old one.<br><br>(d) it is gradually oxidised by tannin and caffeine that we ingest through tea and coffee respectively.                                                                                                   |   |   |   |   |   |   |   |   |
| 6. Consider the following statements:<br><br>(1) A vast majority of the world’s volcanoes are associated with the convergent plate margins<br><br>(2) There is close relationship between volcanic activities and plate margins<br><br>(a) 1 only                      (b) 2 only<br><br>(c) Both 1 and 2                      (d) Neither 1 nor 2                                                                                                                                                                                                                                       |   |   |   |   |   |   |   |   |
| 7. Which of the following conditions must be satisfied by floating ships?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |   |   |   |   |   |   |   |

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| <p>(1) Ships should be hollow from within and have fairly large volume.</p> <p>(2) They should be able to displace more weight of water than their own weight.</p> <p>Select the correct answer from the codes given below.</p> <p>(a) 1 only                      (b) 2 only</p> <p>(c) Both 1 and 2              (d) Neither 1 nor 2</p> <p>8. Which one of the following passes connects Arunachal Pradesh with Tibet?</p> <p>(a) Banihal Pass              (b) Chang La Pass</p> <p>(c) Bomdila Pass              (d) Aghil Pass</p> <p>9. Consider the following statements about Fundamental Rights:</p> <p>(1) They are meant for promoting the idea of political democracy.</p> <p>(2) They are justiciable in nature.</p> <p>(3) They are absolute rights.</p> <p>Which of the above statements is/are <b>incorrect</b>?</p> <p>(a) 1 and 2                      (b) 1 and 3</p> <p>(c) 3 only                        (d) 1, 2 and 3</p> <p>10. The junction of North-South and East-West corridor highways is at:</p> <p>(a) Bhopal                        (b) Nagpur</p> <p>(c) Jhansi                         (d) Gwalior</p> <p>11. Which one of the following is not a fertiliser?</p> <p>(a) Ammonium sulphate</p> <p>(b) Calcium ammonium nitrate</p> <p>(c) Urea</p> | <p>(d) Calcium sulphate</p> <p>12. What is Chicken's Neck of India?</p> <p>(a) Narrow strip of land between Ladakh and Tibet</p> <p>(b) Narrow corridor which links West Bengal with North – East</p> <p>(c) Narrow mountain pass which links Sikkim with Tibet</p> <p>(d) Poultry breed of India</p> <p>13. Which of the following statements is correct regarding Kepler mission of NASA?</p> <p>(a) It is to discover Earth-size planets orbiting other stars</p> <p>(b) It is to discover earth-size planets orbiting the Sun</p> <p>(c) It is to study the impact of solar flare on earth's communication</p> <p>(d) It is to study space phenomena between Mars and Jupiter</p> <p>14. Consider the following statements about Judicial Review :</p> <p>(1) It flows from Article 13 of the Indian Constitution.</p> <p>(2) It is exercised by Constitutional Courts in India.</p> <p>(3) It can be used to declare as unconstitutional those laws that contravene fundamental rights.</p> <p>Choose the correct answer from the codes given below:</p> <p>(a) 1 and 3                      (b) 3 only</p> <p>(c) 1, 2 and 3                  (d) 2 and 3</p> |
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| <p>15. Consider the following statements:</p> <p>(1) In Osmosis, the solvent moves from concentrated to dilute solution.</p> <p>(2) In reverse Osmosis, external force is exerted in the dilute solution.</p> <p>Which of the above statements is/are <b>incorrect</b>?</p> <p>(a) 1 only                      (b) 2 only</p> <p>(c) Both 1 and 2              (d) Neither 1 nor 2</p> <p>16. Which one of the following storms is land based?</p> <p>(a) Hurricane                  (b) Tornado</p> <p>(c) Willy - Willy              (d) Typhoon</p> <p>17. Gas leakage in LPG gas cylinder is identified by adding</p> <p>(1) Thioalcohol              (2) Ethyl mercaptan</p> <p>Which of the above statements is/are correct?</p> <p>(a) 1 only                      (b) 2 only</p> <p>(c) Both 1 and 2              (d) Neither 1 nor 2</p> <p>18. Apart from Iron and Nickel, which of the following is an important constituent of inner core of earth?</p> <p>(a) Calcium                    (b) Silicon</p> <p>(c) Cobalt                      (d) Magnesium</p> <p>19. Consider the following statements:</p> <p>(1) If a piece of bar magnet is broken into two equally long pieces, the pieces will not lose the magnetic properties.</p> <p>(2) Magnetic properties of a substance lie in the atomic level</p> | <p>Which of the above statements is/are correct?</p> <p>(a) 1 only                      (b) 2 only</p> <p>(c) Both 1 and 2              (d) Neither 1 nor 2</p> <p>20. In a cyclone in northern hemisphere, air circulates swiftly inward in</p> <p>(a) Clockwise direction</p> <p>(b) Air remains still</p> <p>(c) Random direction</p> <p>(d) Anti-Clockwise direction</p> <p>21. Consider the following statements about Right to Property:</p> <p>(1) It was deleted from the list of Fundamental Rights by the 42nd Constitutional Amendment Act, 1976.</p> <p>(2) It is made a legal right under Article 300-A of the Indian Constitution.</p> <p>Which of the above statements is/are correct?</p> <p>(a) 1 only                      (b) 2 only</p> <p>(c) Both 1 and 2              (d) Neither 1 nor 2</p> <p>22. Which of the following is attracted to the North Pole of a permanent magnet?</p> <p>(a) North Pole of another permanent magnet</p> <p>(b) A piece of iron that is not a permanent magnet</p> <p>(c) A negatively charged rubber rod</p> <p>(d) A positively charged glass rod</p> <p>23. Consider the following statements regarding GST Council:</p> <p>(1) It is set up under Article 279A of the Indian Constitution</p> |
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| <p>(2) Union finance minister is the chairperson of the council</p>                                                                                                                           | <p>28. The phenomenon whereby the moon in total eclipse is illuminated by sunlight filtered and refracted by the earth's atmosphere is known as:</p>                               |
| <p>Which of the above statements is/are correct?</p>                                                                                                                                          |                                                                                                                                                                                    |
| <p>(a) 1 only                      (b) 2 only</p>                                                                                                                                             | <p>(a) Blue moon                      (b) Super moon</p>                                                                                                                           |
| <p>(c) Both 1 and 2              (d) Neither 1 nor 2</p>                                                                                                                                      | <p>(c) Blood moon</p>                                                                                                                                                              |
| <p>24. The Pole Star does not appear to move because</p>                                                                                                                                      | <p>(d) None of the above</p>                                                                                                                                                       |
| <p>(a) it is almost at the centre of the Universe</p>                                                                                                                                         | <p>29. Freedom of Speech and Expression is restricted in the Constitution on grounds of</p>                                                                                        |
| <p>(b) it has the same velocity of movement as the Earth</p>                                                                                                                                  | <p>(1) defamation.</p>                                                                                                                                                             |
| <p>(c) it is at a very long distance from the poles</p>                                                                                                                                       | <p>(2) contempt of court.</p>                                                                                                                                                      |
| <p>(d) it is in the direction of axis of rotation of the Earth</p>                                                                                                                            | <p>(3) protecting a scheduled tribe.</p>                                                                                                                                           |
| <p>25. 'Mihir' is a / an :</p>                                                                                                                                                                | <p>(4) friendly relations with foreign States.</p>                                                                                                                                 |
| <p>(a) Combat Aircraft      (b) Super Computer</p>                                                                                                                                            | <p>(a) 1, 2 and 3                      (b) 1, 2, 3 and 4</p>                                                                                                                       |
| <p>(c) Missile System      (d) Space Satellite</p>                                                                                                                                            | <p>(c) 1 and 4                      (d) 1, 2 and 4</p>                                                                                                                             |
| <p>26. What is the last major tributary that joins Godavari before the rivers flows into the Sea?</p>                                                                                         | <p>30. Consider the following statements :</p>                                                                                                                                     |
| <p>(a) Pranahita                      (b) Penganga</p>                                                                                                                                        | <p>(1) Under the Indian Constitution, the right to life and personal liberty can be restricted by following the due process of law.</p>                                            |
| <p>(c) Indravati                      (d) Sabari</p>                                                                                                                                          | <p>(2) Article 21A has been inserted in our Constitution through the 91st Constitutional Amendment Act, 2003.</p>                                                                  |
| <p>27. In Cricket, while catching a fast-moving ball, a fielder in the ground gradually pulls his hands backwards with the moving ball to reduce the velocity to zero. The act represents</p> | <p>(3) The Concept of 'Due Process of Law' has been made part of constitutional jurisprudence by the Supreme Court of India in the Maneka Gandhi Vs Union of India Case, 1978.</p> |
| <p>(a) Newton's first law of motion</p>                                                                                                                                                       | <p>Choose the correct answer from the codes given below:</p>                                                                                                                       |
| <p>(b) Newton's second law of motion</p>                                                                                                                                                      | <p>(a) 1 and 3                      (b) 3 only</p>                                                                                                                                 |
| <p>(c) Newton's third law of motion</p>                                                                                                                                                       | <p>(c) 1, 2 and 3                      (d) 2 and 3</p>                                                                                                                             |
| <p>(d) Law of conservation of energy</p>                                                                                                                                                      |                                                                                                                                                                                    |

31. Consider the following statements :
- (1) Objects that emit heat and light are called luminous
- (2) If we cannot see through an object it is opaque
- (3) Objects through which we can see but not clearly are called translucent
- Choose the correct answer from the codes given below:
- (a) 1 and 2                      (b) 2 only
- (c) 2 and 3                      (d) 1, 2 and 3
32. Why the western coastal plains receive more rainfall compared to the interior plateau region lying east of the Western Ghats ?
- (a) Both sides get equal rainfall
- (b) The temperature of the plateau is high leading to evaporation of the clouds
- (c) The Coastal plains lie on the windward side of the South West monsoon
- (d) The Coastal plains are steep
33. Which of the following is not a World Heritage site recognised by UNESCO?
- (a) Kaziranga Wildlife Sanctuary
- (b) Mahabodhi Temple
- (c) Humayun Tomb
- (d) Hemis National Park
34. Which of the following processes in plants acts as nature's air conditioner?
- (a) Evaporation              (b) Respiration
- (c) Heat absorption      (d) Transpiration
35. Real GDP yields a better reading of the economy's overall health than nominal GDP because Real GDP:
- (1) does not include disposable income and transfer payments.
- (2) accounts for changes in price level.
- (3) includes capital goods and consumer goods.
- (4) is measured in current prices.
- Choose the correct answer from the codes given below:
- (a) 1 and 2                      (b) 2 only
- (c) 1 and 4                      (d) 4 only
36. Which gas makes up most of the earth's atmosphere?
- (a) Oxygen                      (b) Nitrogen
- (c) Hydrogen                      (d) Carbon dioxide
37. Which of the following will most likely result in stagflation?
- (a) Increase in aggregate demand
- (b) Increase in aggregate supply
- (c) Decrease in aggregate demand
- (d) Decrease in aggregate supply
38. The main reason for monsoon in India is
- (a) temperature differential between North and South India
- (b) temperature differential between the land and Indian Ocean
- (c) because equator is nearby
- (d) temperature differential between summer and winter

39. Which of the following matters are not affected in case of dissolution of the Lok Sabha?
- (1) A bill originating and pending in the Rajya Sabha.
- (2) Pending notices, motions and resolutions in the Lok Sabha.
- (3) A joint sitting of Parliament if notification of such a sitting has been given before the dissolution.
- (4) Bills passed by both Houses and sent to the President for his assent.
- (5) Bills returned by President for reconsideration.
- (a) 1 and 3                      (b) 1, 3, 4 and 5
- (c) 2, 3 and 4                  (d) 1 and 5
40. A lunar eclipse occurs only
- (a) at the night of a full moon
- (b) on any afternoon
- (c) at the night of any moon
- (d) on any day
41. Consider the following statements :
- (1) Storage Batteries are store houses of electrical energy
- (2) The energy is stored in the form of chemical charge.
- (3) Most common storage battery is lead acid.
- Choose the correct answer from the codes given below:
- (a) 1 and 2                      (b) 1 and 3
- (c) 1, 2 and 3                  (d) None of the above
42. When cool air flows from high mountain region to a lower elevation
- (a) air will condense to form large amount of dew
- (b) moisture content of the air remains unchanged.
- (c) it undergoes adiabatic warming
- (d) it undergoes adiabatic cooling
43. Consider the following statements:
- (1) Colombia's Congress has given its approval to a Peace Accord with Revolutionary Armed Forces of Colombia (FARC).
- (2) The Peace Accord aims to end the 52-year-old armed conflict in that country.
- Which of the following statements is/are correct ?
- (a) 1 only                      (b) 2 only
- (c) Both 1 and 2              (d) Neither 1 nor 2
44. Which waves are the fastest travelling waves during an earth quake?
- (a) Rayleigh waves      (b) S – Waves
- (c) Love Waves              (d) P - Waves
45. Which one of the following is responsible for the greatest movements of all the tides?
- (a) Size of the ocean
- (b) Shape of the continents
- (c) Gravitational attraction
- (d) Salinity of the Ocean

46. The main element in the ore pitchblende is:
- (a) Molybdenum      (b) Uranium  
(c) Thorium          (d) Manganese
47. Consider the following statements:
- (1) Argon and Neon are filled in electric bulbs.  
(2) Helium is filled in balloons.
- Which of the above statements is/are correct?
- (a) 1 only              (b) 2 only  
(c) Both 1 and 2      (d) Neither 1 nor 2
48. Consider the following statements:
- (1) Above 1000 metre altitude, most winds follow a geostrophic or near geostrophic course.  
(2) The friction layer of the atmosphere extends to only about 1000 metres above the ground.
- 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 are objectives of the International Monetary Fund (IMF)?
- (1) Promoting international monetary co-operation  
(2) Expanding international trade  
(3) Lessening the disequilibrium in balance of trade  
(4) Avoiding competitive exchange depreciations
- (a) 1, 2 and 3          (b) 1, 3 and 4  
(c) 2 and 4              (d) 1, 2, 3 and 4
50. Consider the following statements:
- (1) The moon produces greater percentage of Earth's tides than the Sun.  
(2) The Sun is closer to the Earth than the Moon.
- Which of the above statements is/are correct?
- (a) 1 only              (b) 2 only  
(c) Both 1 and 2      (d) Neither 1 nor 2
51. Which one of the following is/are responsible for avalanches in snowclad mountains?
- (1) Its own weight which has accumulated to such an extent that sliding takes place  
(2) Melting of ice due to larger amount of solar energy absorbed at higher altitudes  
(3) Melting of ice due to high velocity wind in the upper reaches of mountains
- Choose the correct answer from the codes given below:
- (a) 1 only              (b) 1 and 2  
(c) 2 and 3              (d) 1, 2 and 3
52. Which one of the following regions does not constitute the Damodar Valley Region?
- (a) Deltaic Plain of West Bengal  
(b) Deltaic Plain of Padma River  
(c) Chotanagpur Plateau  
(d) Palamau Plateau
53. Asia-Africa Growth Corridor is an economic cooperation agreement between which of the following countries?
- (a) India and South Africa  
(b) India and Democratic Republic of Congo

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| <p>(c) India and Japan</p> <p>(d) China and South Africa</p> <p>54. Consider the following statements:</p> <p>(1) The shift of Inter Tropical Convergence Zone (ITCZ) is greater over sea than over land.</p> <p>(2) The land surface gets more heated than water bodies.</p> <p>Which of the above statements is/are correct?</p> <p>(a) 1 only                      (b) 2 only</p> <p>(c) Both 1 and 2              (d) Neither 1 nor 2</p> | <p>(1) it would be difficult to use a kerosene lamp</p> <p>(2) one would not be able to use a straw to consume a soft drink</p> <p>(3) the blotting paper would fail to function</p> <p>(4) the big trees that we see around would not have grown on the Earth</p> <p>Which of the above statements is/are correct?</p> <p>(a) 1, 2 and 3                  (b) 1, 3 and 4</p> <p>(c) 2 and 4                      (d) 1, 2, 3 and 4</p>                                                                              |
| <p>55. Why is ammonium phosphate added in the production of alcohol in fermentation process?</p> <p>(a) To increase the quality of alcohol</p> <p>(b) For the supply of nitrogen to the yeast, Saccharomyces</p> <p>(c) For the production of energy in Sacharimyces</p> <p>(d) To remove the wastes in mollases</p>                                                                                                                          | <p>58. What is the name of the instrument used to record and measure ionizing radiation in human beings?</p> <p>(a) Ionization chamber      (b) Radiometer</p> <p>(c) Geiger Counter          (d) Dosimeter</p>                                                                                                                                                                                                                                                                                                      |
| <p>56. Consider the following statements:</p> <p>(1) The western sides of oceans are always warmer than the eastern margins.</p> <p>(2) The movement of major ocean currents is in the western sides.</p> <p>Which of the above statements is/are correct?</p> <p>(a) 1 only                      (b) 2 only</p> <p>(c) Both 1 and 2              (d) Neither 1 nor 2</p>                                                                     | <p>59. Under which of the following circumstances may 'capital gains' arise ?</p> <p>(1) When there is an increase in the sales of a product</p> <p>(2) When there is a natural increase in the value of the property owned</p> <p>(3) When you purchase a painting and there is a growth in its value due to increase in its popularity</p> <p>Select the correct answer using the codes given below :</p> <p>(a) 1 only                      (b) 2 and 3</p> <p>(c) 2 only                      (d) 1, 2 and 3</p> |
| <p>57. Consider the following statements:</p> <p>If there were no phenomenon of capillarity</p>                                                                                                                                                                                                                                                                                                                                               | <p>60. Equator will NOT pass through which one of the following countries?</p> <p>(a) Colombia                  (b) Ecuador</p> <p>(c) Venezuela                (d) Brazil</p>                                                                                                                                                                                                                                                                                                                                       |

61. Which one of the following changes occur when salt is added to water?
- (a) Boiling point is decreased and freezing point is increased.
- (b) Boiling point is increased and freezing point is decreased.
- (c) Both boiling point and freezing point are decreased.
- (d) Both boiling point and freezing point are increased.
62. Which of the following countries doesn't border Black Sea?
- (a) Ukraine                      (b) Romania
- (c) Hungary                      (d) Bulgaria
63. Which of the following countries participate in the Malabar exercise?
- (1) India                      (2) USA
- (3) Australia                      (4) Japan
- Choose the correct answer from the codes given below:
- (a) 1 and 2                      (b) 2 and 3
- (c) 1 and 2 and 4                      (d) 1, 2, 3 and 4
64. Which one of the following is more common than other disasters?
- (a) Epidemics                      (b) Earthquakes
- (c) Drought                      (d) Floods
65. Astronauts in a Capsule which is in a stable orbit around the earth are in weightless condition. The reason for this is
- (a) the capsule and its contents are falling freely at the same time.
- (b) there is no gravitational force acting on them.
- (c) the gravitational force of the earth balances that of the sun.
- (d) there is no atmosphere at the height at which they are orbiting.
66. Which one of the following emits higher quantity of carbon dioxide in terms of kg CO<sub>2</sub> per kWh?
- (a) LPG                      (b) House Coal
- (c) Anthracite                      (d) Wood Logs
67. Aqua Regia, which is able to dissolve both gold and platinum, is made up of
- (a) Dilute HCl and concentrated H<sub>2</sub>SO<sub>4</sub>
- (b) Dilute HCl and dilute HNO<sub>3</sub>
- (c) Concentrated HCl and dilute HNO<sub>3</sub>
- (d) Concentrated H<sub>2</sub>SO<sub>4</sub> and concentrated HNO<sub>3</sub>
68. Under what category in Disaster terminology sudden onset of contagious diseases that affect health, disrupt economic services and bring high economic and social cost is categorized?
- (a) Environmental emergencies
- (b) Pandemic emergencies
- (c) National disasters
- (d) Complex emergencies
69. Which of the following is/are included in 'Deficit Financing' in India?
- (1) Borrowing from the Reserve Bank of India
- (2) Issue of new currency notes

(3) Withdrawal of past balances / surpluses etc

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

70. Consider the following statements:

(1) The power to issue writs under Article 32 and Articles 226 and 227 belongs to all Courts in India.

(2) Directive Principles of State Policy are enshrined in Part III of the Indian Constitution.

(3) The Preamble to the Indian Constitution helps in judicial interpretation.

(4) Right to religious freedom in India is absolute

Choose the **incorrect** answer(s) from the codes given below:

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

71. Match List I with List II and select the correct answer from the codes given below:

|                    |                              |
|--------------------|------------------------------|
| List – I           | List - II                    |
| (A) Carbon Dioxide | (1) Reducing Agent           |
| (B) Chlorine       | (2) Anaesthetic in dentistry |
| (C) Hydrogen       | (3) Bleaching powder         |
| (D) Nitrous Oxide  | (4) Refrigerant              |

|     |   |   |   |   |     |   |   |   |   |
|-----|---|---|---|---|-----|---|---|---|---|
| A   | B | C | D | A | B   | C | D |   |   |
| (a) | 1 | 2 | 3 | 4 | (b) | 4 | 3 | 2 | 1 |
| (c) | 4 | 3 | 1 | 2 | (d) | 2 | 1 | 3 | 4 |

72. Which one of the following regions has high ocean water salinity?

(a) Equatorial                      (b) Polar  
(c) Subtropical                      (d) Subpolar

73. Consider the following statements regarding Government e-marketplace:

(1) Its aim is to become one stop to facilitate online procurement of common use Goods and Services required by various Government Departments

(2) It will provide transparency and ease of buying

Which of the above statements is/are correct?

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

74. San Andean fault is a :

(a) Transform fault                      (b) Converging fault  
(c) Spreading fault                      (d) Divergent fault

75. Consider the following statements regarding the uses of graphene:

(1) It is a two-dimensional material and has good electrical conductivity.

(2) It is one of the thinnest but strongest materials tested so far.

(3) It is entirely made of silicon and has high optical transparency.

(4) It can be used as ‘conducting electrodes’ required for touch screens, LCDs and organic LEDs.

Which of the above statements is/are correct?

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

- |                                                                                                                                                                                  |                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 76. The process in which one plate slides beneath another is known as :                                                                                                          | (c) 1, 3 and 4      (d) 1, 2, 3 and 4                                                                                                                                                                   |
| (a) Advection      (b) Subduction<br>(c) Convergence      (d) Convection                                                                                                         | 80. Which of the following Ocean routes is the most important and busiest route in the world?                                                                                                           |
| 77. Which of the following statements is true regarding the types of unemployment?                                                                                               | (a) The Cape Route<br>(b) North Pacific Route<br>(c) South Atlantic Route<br>(d) North Atlantic Route                                                                                                   |
| (a) When people lose their jobs due to a recession, then cyclical unemployment exists.                                                                                           | 81. Radar is used mainly for                                                                                                                                                                            |
| (b) When fresh college graduates look for jobs, they are structurally unemployed.                                                                                                | (a) detecting objects by using light waves<br>(b) reflecting sound waves to detect objects<br>(c) determining the presence and location of objects with radio waves<br>(d) tracking rain bearing clouds |
| (c) The natural rate of unemployment includes frictional and cyclical unemployment.                                                                                              | 82. Which activity contributes to water pollution more than any other throughout the world?                                                                                                             |
| (d) People that are institutionalized and trying to find work are considered to be frictionally unemployed                                                                       | (a) Agriculture<br>(b) Hydro-electricity power generation<br>(c) Manufacturing industries<br>(d) Urbanization                                                                                           |
| 78. Which one of the following phenomenal relationships is depicted by an ergograph?                                                                                             | 83. Which of the following states, eco-bridges are created in Tadoba-Andhari Tiger Reserve?                                                                                                             |
| (a) Temperature and absolute humidity<br>(b) Rainfall and runoff<br>(c) Crop production and rainfall<br>(d) Crop season and weather conditions                                   | (a) Andhra Pradesh      (b) Tamil Nadu<br>(c) Maharashtra      (d) Kerala                                                                                                                               |
| 79. Consider the following statements:<br>Chlorofluorocarbons, known as ozone-depleting substances, are used                                                                     | 84. Match List – I (Zoogeographic regions) with List – II (Country) and select the correct answer from the codes given below:                                                                           |
| (1) in the production of plastic foams<br>(2) in the production of tubeless tyres<br>(3) in cleaning certain electronic components<br>(4) as pressurizing agents in aerosol cans | List – I      List - II<br>(A) Oriental      (1) Brazil<br>(B) Nearctic      (2) Sumatra                                                                                                                |
| Which of the above statements is/are correct?                                                                                                                                    |                                                                                                                                                                                                         |
| (a) 1, 2 and 3      (b) 4 only                                                                                                                                                   |                                                                                                                                                                                                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>(C) Neotropical      (3) The Netherlands</p>                                                                                                                                                                                                                                                                                                                                                                     | <p>A B C D      A B C D</p>                                                                                                                                                                                                                                                      |
| <p>(D) Palearctic      (4) USA</p>                                                                                                                                                                                                                                                                                                                                                                                  | <p>(a) 2 3 1 4 (b) 1 2 3 4</p>                                                                                                                                                                                                                                                   |
| <p>A B C D      A B C D</p>                                                                                                                                                                                                                                                                                                                                                                                         | <p>(c) 4 1 3 2 (d) 2 4 1 3</p>                                                                                                                                                                                                                                                   |
| <p>(a) 3 1 4 2 (b) 3 4 2 1<br/>(c) 2 4 1 3 (d) 4 2 1 3</p>                                                                                                                                                                                                                                                                                                                                                          | <p>88. Match List – I with List – II and select the correct answer from the codes given below:</p>                                                                                                                                                                               |
| <p>85. Consider the following:<br/><br/>Liquid Nitrogen is used<br/><br/>(1) as a refrigerant for freezing foods.<br/>(2) to store living cells and important tissues.<br/>(3) during skin grafting in burn victims and for in vitro fertilization (test tube babies).<br/><br/>Choose the correct answer from the codes given below:<br/><br/>(a) 1 and 2      (b) 1 and 3<br/>(c) 2 and 3      (d) 1, 2 and 3</p> | <p>List – I      List - II</p> <p>(A) Indo – Australian Plate      (1) East<br/>(B) Cocos Plate      (2) West<br/>(C) Pacific Plate      (3) North<br/>(D) Nazca Plate      (4) North-West</p> <p>A B C D</p> <p>(a) 3 4 1 2<br/>(b) 3 4 3 1<br/>(c) 3 2 1 4<br/>(d) 1 2 3 4</p> |
| <p>86. Which one of the following terms is appropriate for plants that endure seasonal climatic fluctuations from year to year?<br/><br/>(a) Perennials      (b) Annuals<br/>(c) Seasonal      (d) Bi-annuals</p>                                                                                                                                                                                                   | <p>89. Which of the following are major sources of capital inflow:<br/><br/>(1) FDI<br/>(2) Short term credit<br/>(3) Portfolio investment<br/>(4) External commercial borrowings</p>                                                                                            |
| <p>87. Match List – I with List – II and select the correct answer from the codes given below the lists:<br/><br/>List - I      List - II</p> <p>(A) Vinegar      (1) Citric acid<br/>(B) Orange      (2) Tartaric acid<br/>(C) Tomato      (3) Oxalic acid<br/>(D) Tamarind      (4) Acetic acid</p>                                                                                                               | <p>Choose the correct answer from the codes given below:<br/><br/>(a) 1, 2 and 3<br/>(b) 2, 3 and 4<br/>(c) 1, 3 and 4<br/>(d) 1, 2, 3 and 4</p>                                                                                                                                 |

90. Which one of the following is the correct sequence of surface components of pressure and wind from the equator to the poles?
- (a) Polar easterlies, Westerlies, Subtropical highs, Trade winds  
 (b) Subtropical highs, Westerlies, Trade winds, Polar easterlies  
 (c) Trade winds, Polar easterlies, Westerlies, Subtropical highs  
 (d) Trade winds, Subtropical highs, Westerlies, Polar easterlies
91. Which of the following is a reason for a satellite to remain in orbit around the earth?
- (a) the earth's gravitation must be less than the centripetal force needed to keep it in circular orbit  
 (b) the gravitation of earth and moon must exert equal forces on the satellite  
 (c) the earth's gravitation must be equal to the centrifugal force needed to keep it in circular orbit  
 (d) the earth's gravitation must be equal to the centripetal force needed to keep it in orbit
92. In which one of the following atmospheric layers temperature remains constant?
- (a) Stratosphere (b) Tropopause  
 (c) Mesosphere (d) Troposphere
93. Which of the following genetically-modified seeds are allowed in India?
- (1) Bt cotton (2) Bt Brinjal  
 (3) Bt Mustard
- Select the correct answer from the codes given below:
- (a) 1 and 3 (b) 1 and 2  
 (c) 2 and 3 (d) 1 only
94. Match List – I (Tropography) with List – II (Landforms) and select the correct answer from the codes given below:
- |             |                  |
|-------------|------------------|
| List – I    | List – II        |
| (A) Glacial | (1) Alluvian fan |
| (B) Marine  | (2) Yardangs     |
| (C) Fluvial | (3) Arate        |
| (D) Aeolian | (4) Tombola      |
- |     |   |   |   |   |
|-----|---|---|---|---|
|     | A | B | C | D |
| (a) | 2 | 1 | 3 | 4 |
| (b) | 4 | 2 | 1 | 3 |
| (c) | 3 | 4 | 2 | 1 |
| (d) | 3 | 4 | 1 | 2 |
95. Consider the following statements :
- (1) The 2014 edition of winter olympics were held at Sochi, Russia.  
 (2) The 2018 edition of winter olympics would be held at Vancouver, Canada  
 (3) North Korea and South Korea are divided along the 38th Parallel.  
 (4) Democratic People's Republic of Korea (DPR) is South Korea.
- Choose the correct answer from the codes given below:
- (a) 1, 2 and 3 (b) 1 and 3  
 (c) 3 and 4 (d) 1, 3 and 4

96. Who among the following can be removed by the President without Parliament's resolution?
- (a) Judges of High Court  
(b) Governor of a State  
(c) Chief Election Commissioner  
(d) Comptroller and Auditor - General
97. Consider the following statements:
- (1) India is a member of Asia Pacific Economic Cooperation (APEC)  
(2) India has recently gained membership of Nuclear Suppliers Group (NSG)  
(3) India is a signatory to Non-Proliferation Treaty (NPT)
- Which of the above statement(s) is/are correct?
- (a) 1 only                      (b) 1 and 2  
(c) 1, 2 and 3                (d) Neither 1, 2 nor 3
98. Consider the following statements:
- (1) India signed the Civil Nuclear Agreement with the United States.  
(2) India has inked a Broad - based Trade and Investment Treaty (BTIA) with European Union.  
(3) India is a signatory of the 1951 International Convention on Refugees.  
(4) India has a Free Trade Agreement in services and investments with Association of Southeast Asian Nations (ASEAN)
- Choose the correct answer from the codes given below:
- (a) 1, 2 and 3                (b) 1, 2 and 4  
(c) 1 and 4                    (d) 1, 2, 3 and 4
99. Consider the following statements:
- (1) The Annual Financial Statement, i.e., the Budget, is laid only before the House of the People.  
(2) Demands for Grants are presented before both the House of the People and the Council of States.
- Which of the above statements is/are correct?
- (a) 1 only                      (b) 2 only  
(c) Both 1 and 2              (d) Neither 1 nor 2
100. Arrange the following cities from South to North:
- (1) Riyadh                      (2) Sana  
(3) Baghdad                    (4) Kuwait
- (a) Baghdad – Riyadh – Kuwait – Sana  
(b) Sana – Kuwait – Riyadh – Baghdad  
(c) Kuwait – Baghdad – Riyadh – Sana  
(d) Sana – Riyadh – Kuwait – Baghdad