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TEST BOOKLET  
GENERAL STUDIES  
Paper-I

A

Time Allowed : Two Hours

Maximum Marks : 200

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INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION YOU SHOULD CHECK THAT THE 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. **Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series A, B, C or D carefully and without any omission or discrepancy at the appropriate place in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.**

3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside . *DO NOT* write *anything else* on the Test Booklet.

4. This Test Booklet contains **100** items (questions). Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose *ONLY ONE* response for each item.

5. You have to mark all your responses *ONLY* on the separate Answer Sheet provided.

6. **All** items carry equal marks.

7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.

8. After you have completed filling in all your responses 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.

9. Sheets for rough work are appended in the Test Booklet at the end.

10. **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 a **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 that question.

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Model Test 1

General Studies Paper I

<p>1. Bioasphalt is an asphalt alternative made from non-petroleum based renewable resources.</p> <p>Which of the following are the potential sources of the Bioasphalt?</p> <ol style="list-style-type: none"><li>1. sugar, molasses and rice</li><li>2. corn and potato starches</li><li>3. Natural tree and gum resins</li><li>4. Natural latex rubber and vegetable oils</li><li>5. Lignin, cellulose, palm oil waste</li><li>6. Coconut waste, peanut oil waste</li></ol> <p>(a) 1 and 6</p> <p>(b) 1, 2, 3 and 4</p> <p>(c) 3, 4, 5 and 6</p> <p>(d) 1, 2, 3, 4, 5 and 6</p> <p>2. Fossil fueled power stations are major emitters of CO<sub>2</sub>. Which of the following statements are correct about the fossil fuels?</p> <ol style="list-style-type: none"><li>1. Brown coal emits 3 times as much CO<sub>2</sub> as natural gas.</li><li>2. Black coal emits twice as much CO<sub>2</sub> per unit of electric energy.</li></ol> <p>(a) Only 1 is correct</p> <p>(b) Only 2 is correct</p> <p>(c) Both 1 and 2 are correct</p> <p>(d) Neither 1 nor 2 is correct</p> <p>3. A satellite in a geostationary orbit appears stationary, always at the same point in the sky, to ground observers. A perfect stable geostationary orbit is an ideal that can only be approximated. In practice the satellite drifts out of this orbit because of perturbations such as the</p> <ol style="list-style-type: none"><li>1. Solar wind</li><li>2. Radiation pressure</li><li>3. Variations in the Earth's gravitational field</li><li>4. Gravitational effect of the Moon and Sun</li></ol> <p>(a) 1 and 2</p> <p>(b) 1 and 4</p> <p>(c) 2, 3 and 4</p> <p>(d) 1, 2, 3 and 4</p> <p>4. Which one of the following dramas was written by Sriharsha?</p> <p>(a) Kundamala</p> <p>(b) Priyadarshika</p> <p>(c) Karpuramanjari</p> <p>(d) Malati – Madhava</p>	<p>5. Which of the following syndrome is caused by an extra copy of chromosome 21 (trisomy 21)</p> <p>(a) Down syndrome</p> <p>(b) Cri du chat</p> <p>(c) Edwards syndrome</p> <p>(d) Jacobsen syndrome</p> <p>6. Which of the following statements are correct about the exports by a country?</p> <p>(a) Export is a source of foreign currency</p> <p>(b) Export eases import expenditure</p> <p>(c) Export increases central bank reserves of foreign currency</p> <p>(d) All of the above</p> <p>7. A microbial fuel cell (MFC) or biological fuel cell is a</p> <p>(a) Bio-electro system</p> <p>(b) Bio-chemical system</p> <p>(c) Biological system</p> <p>(d) Bio-electrochemical system</p> <p>8. The fiscal policy of a Government is best described as</p> <p>(a) Government expenditure</p> <p>(b) Revenue collection</p> <p>(c) Government expenditure - Revenue collection</p> <p>(d) The use of government expenditure and revenue collection (taxation) to influence the economy</p> <p>9. There has been a steady decline in the total volume of ozone in Earth's stratosphere (the ozone layer) since 1970s to the tune of</p> <p>(a) 4% per decade</p> <p>(b) 5% per decade</p> <p>(c) 6% per decade</p> <p>(d) 7% per decade</p>
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Model Test 1

General Studies Paper I

<p>10. Which of the following are the strategies to reduce the current account deficit?</p> <p>(a) Devalue the currency (b) Decrease demand for imports (c) Sell more of your own exports (d) All of the above</p> <p>11. Consider the following map below and match the mountain peaks</p>  <p>(a) 1-K2, 2-Nanga Parbat, 3- Tirchi Mir (b) 1-Nanga Parbat, 2-K2, 3- Tirchi Mir (c) 1-K2, 2-Nanga Parbat, 3- Tirchi Mir (d) 1-Tirchi Mir, 2-Nanga Parbat, 3- K2</p> <p>12. Which of the following statements are correct about the Chandipur-on-sea?</p> <p>1. It is located Andhra Pradesh 2. It is unique in bio-diversity 3. It is described often as 'the land of hidden treasures' 4. It is the the location of the Indian Army's Integrated Test Range (ITR)</p> <p>(a) 1 and 2 (b) 1, 2 and 4 (c) 2, 3 and 4 (d) 1, 2, 3 and 4</p> <p>13. Which of the following is caused by decisions on the part of the central bank to increase the money supply much more than markets had previously expected?</p> <p>(a) Balance of Payment</p>	<p>(b) Import growth (c) Hyperinflation (d) Stagflation</p> <p>14. Which of the following phenomena are associated with the demographic dividend?</p> <p>1. A rising share of working age people in a population 2. Rise in fertility rate 3. Decline in youth dependency rate</p> <p>(a) 1 only (b) 1 and 2 (c) 1 and 3 (d) 1, 2 and 3</p> <p>15. Carbon credits were one of the outcomes of the</p> <p>(a) Montreal Protocol (b) Copenhagen Summit (c) UNFCCC (d) Kyoto Protocol</p> <p>16. What is Bisphenol A (BPA)?</p> <p>(a) A medical test for detecting cancer (b) A test for testing the use of drugs to improve performance by athletes (c) A chemical used for the development of food-packaging materials (d) A special type of alloy steel</p> <p>17. A closed economy is an economy in which no activity is conducted with outside economies. It is also known as</p> <p>(a) Oligarchy (b) Autarky (c) Zero based economy (d) Independent economy</p>
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Model Test 1

General Studies Paper I

18. Bark is a tree's natural armor and protects from external threats. Which of the following functions are carried out by bark?

1. Ridding the tree of wastes by absorbing and locking them into its dead cells and resins
2. Transporting large quantities of nutrients throughout the tree
3. Preventing loss of water from the tree by evaporation

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

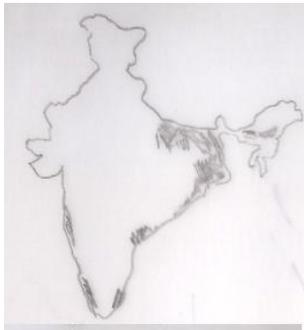
19. In which one of the following Smruti is found the statement: "the royal charters were written on cloth or copper plate"?

- (a) Manusmruti
- (b) Parasharasmruti
- (c) Yagnyavalkyasmruti
- (d) Shankhasmruti

20. The Indian Rhinoceros is one of the 45 species of globally threatened mammals found in the

- (a) Western Ghats
- (b) Western Himalayas
- (c) Eastern Himalayas
- (d) Siwaliks

21. The following map shows the major producing area of



- (a) Oilseeds
- (b) Wheat

- (c) Rice
- (d) Pulses

22. Upwelling is an oceanographic phenomenon that involves motion of dense, cooler, and usually nutrient-rich water towards the ocean surface driven by

- (a) Tides
- (b) Wind
- (c) Volcanic activity
- (d) Earthquake

23. Which of the following statements are correct about the tropical rainforest

1. A tropical rainforest is a place roughly within 28° north or south of the equator
2. Minimum normal annual rainfall between 100 and 150 cm
3. Mean monthly temperatures exceed 10 °C during all months of the year

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

24. The largest family of flowering plants with 750 species in the Himalaya hotspot is the

- (a) Rhododendron
- (b) Primula
- (c) Orchidacea
- (d) Pedicularis

25. India is divided into how many biogeographic regions

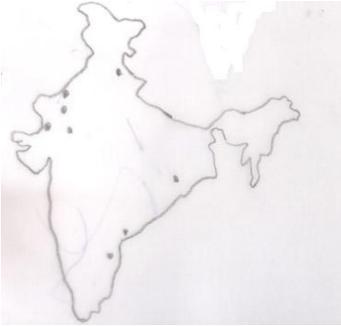
- (a) 8
- (b) 9
- (c) 10
- (d) 15

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Model Test 1

General Studies Paper I

<p>26. In Karl Marx's ideology Membership in a class is defined by one's relationship to the</p> <p>(a) Land (b) Money (c) Social position (d) Means of production</p> <p>27. Which one of the following animals breathe through the skin?</p> <p>(a) Fish (b) Snake (c) Frog (d) Cockroach</p> <p>28. Which of the following statements are correct about the FDI and FII?</p> <p>1. Foreign direct investment is involved in direct production activities and is a short-term investment 2. Foreign institutional investment is a long term investment in the financial market</p> <p>(a) Only 1 is correct (b) Only 2 is correct (c) Both 1 and 2 are correct (d) Neither 1 nor 2 is correct</p> <p>29. Bacillus Thuringiensis Brinjal, popularly known as Bt brinjal has been developed by</p> <p>(a) Mahyco in collaboration with American multinational Monsanto (b) Advanta India Ltd. (c) National Agro Industries (d) DuPont India</p> <p>30. With reference to "Aam Admi Bima Yojana", consider the following statements:</p> <p>1. Aam Admi Bima Yojana is a prestigious scheme of the Central and State / Union Territory Governments and administered by LIC 2. It is a scheme for the rural landless households, wherein the head of rural landless families or one earning member in each such family will be insured 3. In the event of death of a member prior to the terminal date, the Sum Assured of Rs.30,000/- will become payable to the nominee</p>	<p>4. In the event of death by accident or Total Permanent Disability due to accident, Rs.75,000/- is payable</p> <p>(a) 1 and 2 (b) 1 and 3 (c) 1, 2 and 4 (d) 1, 2, 3 and 4</p> <p>31. The following map shows the mineral distribution of</p>  <p>(a) Lead (b) Zinc (c) Iron (d) Manganese</p> <p>32. Which of the following statements are correct about India's position in Heavy Water production?</p> <p>1. India is the world's largest producer of heavy water through its Heavy Water Board 2. India also exports to countries like Republic of Korea and the United States</p> <p>(a) Only 1 is correct (b) Only 2 is correct (c) Both 1 and 2 are correct (d) Neither 1 nor 2 is correct</p>
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Model Test 1

General Studies Paper I

<p>33. The National Commission for Minorities has been observing which day as a Minorities Rights Day every year</p> <p>(a) 16th December (b) 17th December (c) 18th December (d) 19th December</p> <p>34. THE PERSONS WITH DISABILITIES (Equal Opportunities, Protection Of Rights And Full Participation) ACT, 1995 extends to</p> <p>(a) Whole of India (b) Whole of India except the State of Assam (c) Whole of India except the State of Jammu and Kashmir (d) Whole of India except the seven north eastern sister States</p> <p>35. As per India's national Population Policy, 2000, by which one of the following years is it our long-term objective to achieve population stabilization?</p> <p>(a) 2025 (b) 2035 (c) 2045 (d) 2055</p> <p>36. Which of the following is in the nature of an imprest and is kept at the disposal of the President of India to enable the Government to meet unforeseen expenditure pending its authorisation by the Parliament?</p> <p>(a) Consolidated Fund of India (b) Contingency Fund of India (c) Public Account of India (d) National Calamities Fund of India</p> <p>37. Receipts from the sale of Savings Certificates, contributions into General Provident Fund and Public Provident Fund, Security Deposits and Earnest Money Deposits received by the Government are accounted for under</p>	<p>(a) Consolidated Fund of India (b) Contingency Fund of India (c) Public Account of India (d) Consolidated Fund of the respective States</p> <p>38. The modern use of the expression "microfinancing" has roots in the 1970s when organizations such as Grameen Bank of Bangladesh was set up. It was pioneered by</p> <p>(a) Akhtar Hameed Khan (b) Muhammad Yunus (c) Shekh Hasina (d) Mujibur Rehman</p> <p>39. Southeast Asia is a subregion of Asia, consisting of the countries that are geographically</p> <ol style="list-style-type: none"><li>1. South of China</li><li>2. East of India</li><li>3. West of New Guinea</li><li>4. North of Australia</li></ol> <p>Which of the above are correct</p> <p>(a) 1 and 2 (b) 2 and 3 (c) 1, 2 and 3 (d) 1, 2, 3 and 4</p> <p>40. Which of the following statements are correct about the Trans fats</p> <ol style="list-style-type: none"><li>1. Trans fat is the common name for unsaturated fat with trans-isomer (E-isomer) fatty acid(s)</li><li>2. Trans fats are not essential fatty acids.</li><li>3. The consumption of trans fats decreases the risk of coronary heart disease</li></ol> <p>(a) 1 only (b) 1 and 2 (c) 1 and 3 (d) 1, 2 and 3</p> <p>41. Which of the following is the correct sequence of the following rivers from north to south?</p> <p>(a) Penner, Krishna, Palar, Kolidam (b) Krishna, Penner, Palar, Kolidam (c) Krishna, Penner, Kolidam, Palar (d) Penner, Krishna, Palar, Kolidam</p>
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Model Test 1

General Studies Paper I

<p>42. India's "Look East" Policy, which was initiated in 1991, marked a strategic shift in India's perspective of the world. India has developed multilateral organisations such as the Mekong-Ganga Cooperation and BIMSTEC, forging extensive cooperation on environmental, economic development, security and strategic affairs. Which of the following country has been instrumental in bringing India into ASEAN+6 to dilute the ASEAN+3 process</p> <p>(a) USA (b) Russia (c) Japan (d) China</p> <p>43. Which of the following statements are correct about the Union Budget of India?</p> <p>1. The Union Budget of India is referred to as the annual Financial Statement in Article 112 of the Constitution of India 2. It is presented each year on the last working day of March by the Finance Minister of India in Parliament 3. The budget has to be passed by the House before it can come into effect on April 1</p> <p>(a) 1 only (b) 1 and 2 (c) 1 and 3 (d) 1, 2 and 3</p> <p>44. How many Fundamental Duties are prescribed by the Constitution of the Nation under PART [IV-A] to its every citizen</p> <p>(a) 8 (b) 9 (c) 10 (d) 11</p> <p>45. As per the Constitution, the Finance Commission is appointed every five years and consists of a</p> <p>(a) Chairman and four other members (b) Chairman and five other members (c) Chairman and six other members (d) Chairman and seven other members</p>	<p>46. The Universal Declaration of Human Rights was the result of the experience of the</p> <p>(a) First World War (b) Second World War (c) Vietnam War (d) Iran Iraq War</p> <p>47. Which of the following statements are correct about an algal bloom?</p> <p>1. Algal blooms occur in fresh water 2. Algal booms occur in marine environments 3. Algal bloom concentrations may reach millions of cells per milliliter 4. Algal blooms are green in colour</p> <p>(a) 1 and 3 (b) 2 and 4 (c) 1, 2 and 3 (d) 1, 2, 3 and 4</p> <p>48. Future CO<sub>2</sub> emissions can be calculated by the</p> <p>(a) Carbon cycle (b) Food web (c) GDP growth (d) Kaya identity</p> <p>49. The Australia Group (AG) is an informal forum of countries which, through the harmonisation of export controls, seeks to ensure that exports do not contribute to the development of</p> <p>1. Chemical weapons 2. Biological weapons 3. Nuclear weapons</p> <p>(a) 1 only (b) 1 and 2 (c) 2 and 3 (d) 1, 2 and 3</p> <p>50. Ice floats in the oceans because</p> <p>(a) Ice is a bad conductor of heat (b) Since the surface of the lake is at the same temperature as the air, no heat is lost (c) The salt content of oceans lowers the freezing point by about 2 °C (d) None of the statements (a), (b) and (c) given above is correct</p>
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Model Test 1

General Studies Paper I

<p>51. Which of the following is the correct sequence of the religious places from north to south?</p> <p>(a) Dwarka, Mount Abu, Somnath, Nashik (b) Mount Abu, Dwarka, Somnath, Nashik (c) Mount Abu, Dwarka, Nashik, Somnath (d) Nashik, Somnath, Mount Abu, Dwarka</p> <p>52. Which of the following statements are correct about the effects of La Nina and El Nino on the tropical cyclones?</p> <p>1. During El Niño there are on an average fewer hurricanes over the Atlantic Ocean, the Caribbean Sea and the Gulf of Mexico whereas La Niña often brings more 2. The west coast of Mexico and the United States see more landfalling hurricanes during El Niño 3. In the central Pacific Ocean El Niño brings more typhoons, both north and south of the equator 4. There are no effects on the number of cyclones over the Indian Ocean</p> <p>(a) 1 and 2 (b) 1 and 3 (c) 1, 2 and 4 (d) 1, 2, 3 and 4</p> <p>53. Which of the following statements are correct about the disease Anthrax?</p> <p>1. Anthrax is an acute disease caused by the bacterium Bacillus anthracis 2. It affects animals only 3. It can be prevented through vaccination 4. Anthrax infection is now relatively rare in domestic animals</p> <p>(a) 1 and 3 (b) 1 and 2 (c) 1, 3 and 4 (d) 1, 2, 3 and 4</p> <p>54. Which of the following are the synonyms of Drip irrigation?</p> <p>1. Trickle irrigation 2. Micro irrigation 3. Localized irrigation</p> <p>(a) 1 only (b) 1 and 2 (c) 1 and 3 (d) 1, 2 and 3</p>	<p>55. Generally, there is an increase in biodiversity from the poles to the tropics. Thus localities at lower latitudes have more species than localities at higher latitudes. The main reason for this is</p> <p>(a) Higher precipitation in the equator compared to that of the poles (b) Higher atmospheric pressure at the equator compared to that of the poles (c) Greater mean temperature at the equator compared to that of the poles (d) None of the above</p> <p>56. Which of the following is a natural constituent of many fermented or aged foods, including soy sauce, fermented bean paste, and cheese, and is also a component of hydrolyzed protein such as yeast extract</p> <p>(a) Acetic acid (b) Nitric acid (c) Monosodium glutamate (MSG) (d) Glutamic acid</p> <p>57. Sir William, Wedderburn's attention during his tenure in India was focussed on</p> <p>(a) Education (b) Law and order (c) Famine and the problem of poverty and agricultural indebtedness (d) Social reforms</p> <p>58. Which of the following are the advantages of LED lamps over CFLs?</p> <p>1. LED lamps typically use less power (watts) per unit of light generated (lumens) 2. LED lamps last much longer than CFLs, as much as 10x longer 3. LED lamps generate less heat than CFLs 4. LED lamps emit Infrared or Ultraviolet radiation</p> <p>(a) 1 and 2 (b) 1 and 3 (c) 1, 2 and 3 (d) 1, 2, 3 and 4</p>
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Model Test 1

General Studies Paper I

<p>59. Which of the following statements are correct about TERI?</p> <ol style="list-style-type: none"><li>1. TERI stands for The Energy and Resources Institute, a research institute based in New Delhi focusing its research activities in the fields of energy, environment and sustainable development</li><li>2. Formerly it was Tata Energy Research Institute</li></ol> <p>(a) Only 1 is correct (b) Only 2 is correct (c) Both 1 and 2 are correct (d) Neither 1 nor 2 is correct</p> <p>60. Unto This Last, an essay on economy by John Ruskin had a very important impact on Gandhi's philosophy. Which of the following are the outcomes of this impact?</p> <ol style="list-style-type: none"><li>1. Gandhiji decided to publish his own newspaper, Indian Opinion</li><li>2. Gandhiji created Phoenix Settlement where every body would get the same salary.</li><li>3. Gandhiji translated it later into Gujarati, entitling it Sarvodaya</li></ol> <p>(a) 1 only (b) 1 and 2 (c) 1 and 3 (d) 1, 2 and 3</p> <p>61. During Mughal period, who were the Gilkars?</p> <p>(a) Tiller of the soil (b) Cotton and silk weavers (c) Workers in lime (d) Confectioners</p> <p>62. Which of the following statements are correct about the Vitamin D?</p> <ol style="list-style-type: none"><li>1. Vitamin D is an essential vitamin required by the body for the proper absorption of calcium</li><li>2. A deficiency in vitamin D can lead to rickets</li><li>3. Excess vitamin D can lead to increased risk of heart attack and kidney stones</li><li>4. Vitamin D is water soluble</li></ol> <p>(a) 1 and 2 (b) 1, 2 and 3 (c) 1, 2 and 4 (d) 1, 2, 3 and 4</p>	<p>63. Which of the following statements are correct about Infrasound?</p> <ol style="list-style-type: none"><li>1. Infrasound is sound that is lower in frequency than 20 Hz</li><li>2. The waves produced by earthquakes are infrasonic in nature</li></ol> <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p> <p>64. Indian Census considers an area as urban only if it fulfills the following criteria:</p> <ol style="list-style-type: none"><li>1. The population of the settlement should be 5000 or more</li><li>2. Density of at least 400 persons per sq. km</li><li>3. At least 75% of the male workers engaged in non agricultural occupations</li></ol> <p>(a) 1 only (b) 1 and 2 (c) 1 and 3 (d) 1, 2 and 3</p> <p>65. Which one of the following Union Ministries is implementing the Biodiesel Mission (as Nodal Ministry)?</p> <p>(a) Ministry of Agriculture (b) Ministry of Science and Technology (c) Ministry of New and Renewable energy (d) Ministry of Rural development</p> <p>66. The IMF's fundamental mission is to help ensure stability in the international system. It does so by</p> <p>(a) Keeping track of the global economy and the economies of member countries (b) Lending to countries with balance of payments difficulties (c) Giving practical practical guidance and training to member countries (d) All of the above</p>
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Model Test 1

General Studies Paper I

67. Arrange the mangrove ecosystem on Indian coastlines in increasing size i.e, smallest to largest

1. Sundarban mangroves
2. Gulf of Kachch
3. Andaman-Nicobar Islands

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

68. According to Jainism, this loka or Universe is

- (a) A created entity  
(b) An uncreated entity  
(c) Finite  
(d) Mutable in nature

69. Salt-affected soils are caused by excess accumulation of salts, typically most pronounced at

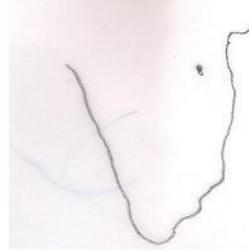
- (a) Bottom of soil  
(b) The soil surface  
(c) The roots  
(d) All of the above

70. Which of the following statements are correct about the Red Data Book

1. The Red Data Book is issued by the International Union for Conservation of Nature (IUCN) listing species judged as threatened
2. The pink pages in this publication include the critically endangered species
3. Green pages are used for those species that were formerly endangered, but have now recovered to a point where they are no longer threatened

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

71. Consider the following map of South Indian region. Which of the following thermal power plant is shown in the map?



- (a) Metturdam  
(b) Cuddapah  
(c) Nandikoor  
(d) Kayamkulam

72. Which of the following statements about the artificial satellites are correct?

1. Artificial satellites can have a range of missions, including scientific research, weather observation, military support, navigation, Earth imaging, and communications
2. Low orbiting satellites are mostly above the Earth's atmosphere and are likely to last for many years
3. The satellites orbiting in high orbits eventually decays and they crash back into the atmosphere

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

73. Laser is a device to produce

- (a) a beam of white light  
(b) coherent light  
(c) infrared waves  
(d) X-rays

74. Which of the following peasant movements were formed by Swami Sahajanand Saraswati

1. Bihar Provincial Kisan Sabha (BPKS)
2. All India Kisan Sabha (Akhil Bharatiya Kisan Sabha)

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

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Model Test 1

General Studies Paper I

<p>75. Which of the following statements are correct about the Eurasian steppes?</p> <ol style="list-style-type: none"><li>1. The Eurasian steppes extend through central and western Asia to Eastern Europe</li><li>2. The puszta is an exclave of the Eurasian Steppe located in Russia</li><li>3. The Silk Road during Antiquity and the Middle Ages was an overland trade route of the Steppes</li><li>4. The Eurasian Land Bridge, the rail transport route for moving freight and passengers overland from Pacific seaports in the Russian Far East and China to seaports in Europe is also known as the New Silk Road</li></ol> <p>(a) 1 and 2 (b) 1, 2 and 3 (c) 1, 3 and 4 (d) 1, 2, 3 and 4</p> <p>76. Which of the following are the essential differences between a jet aircraft and a propeller-powered aircraft?</p> <ol style="list-style-type: none"><li>1. A jet aircraft is nearly always a fixed-wing aircraft</li><li>2. Jet aircraft generally flies much faster than propeller-powered aircraft</li><li>3. Jet aircraft flies at higher altitudes than propeller-powered aircraft</li></ol> <p>(a) 2 only (b) 1 and 2 (c) 1 and 3 (d) 1, 2 and 3</p> <p>77. The Salt Satyagrah was started by Mahatma Gandhi on</p> <p>(a) 10 March 1930 from Sabarmati Ashram to Dandi till 4 April (b) 11 March 1930 from Sabarmati Ashram to Dandi till 5 April (c) 11 March 1930 from Sabarmati Ashram to Dandi till 6 April (d) 11 March 1931 from Sabarmati Ashram to Dandi till 5 April</p> <p>78. Which one of the following is responsible for the stimulating effect of tea?</p> <p>(a) Tannin (b) Nicotine</p>	<p>(c) Alkaloid (d) Flavonoid</p> <p>79. The Lahore Resolution (commonly known as the Pakistan Resolution), was a formal political statement adopted by the Muslim League at the occasion of its three-day general session on 22–24 March 1940 that called for greater Muslim autonomy in British India. It was authored by</p> <p>(a) Maulana Azad (b) Muhammad Zafrulla Khan (c) A. K. Fazlul Huq (d) Muhammad Ali Jinnah</p> <p>80. The Pakistan Declaration was a pamphlet published on 28 January 1933 by</p> <p>(a) Choudhary Rahmat Ali (b) Muhammad Aslam Khan Khattak (c) Inayat Ullah Khan (d) Sheikh Mohd Sadiq</p> <p>81. Which one of the following is present in chlorophyll which gives a green colour to plant leaves?</p> <p>(a) Calcium (b) Manganese (c) Chromium (d) Magnesium</p> <p>82. Match the following Agents of Transmission with the diseases</p> <p>A. Anophles mosquito - 1. Kala azar B. Culex mosquito - 2. Dengue C. Aedes - 3. Malaria D. Sandfly - 4. Filariasis</p> <p>(a) A-3, B-2, C-4, D-1 (b) A-1, B-4, C-2, D-3 (c) A-1, B-2, C-4, D-3 (d) A-3, B-4, C-2, D-1</p>
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<p>83. Which of the following statements are correct about Swamy Dayanand Saraswati?</p> <ol style="list-style-type: none"><li>1. Swamy Dayanand Saraswati founded the Arya Samaj in 1875</li><li>2. He was the first to give the call for Swarajya as "India for Indians" – in 1876</li><li>3. The philosopher and President of India, Dr. S. Radhakrishnan, called him one of the "makers of Modern India"</li></ol> <p>(a) 1 only (b) 1 and 2 (c) 1 and 3 (d) 1, 2 and 3</p> <p>84. The copper-hoard culture in the post-Harappa period has provisionally been identified with which one of the following pottery types?</p> <p>(a) Sothi pottery (b) Ochre colour pottery (c) Painted grey ware (d) Northern grey polished ware</p> <p>85. Which one of the following contains the famous Gayatri Mantra?</p> <p>(a) Rigveda (b) Samveda (c) Yajurveda (d) Atharvaveda</p> <p>86. The famous phrase "tattvamasi" is found in which one of the following Upanishads?</p> <p>(a) Chandogya (b) Mundaka (c) Mandukya (d) Isavasya</p> <p>87. Disguised unemployment generally exists in</p> <p>(a) Manufacturing sector (b) Agriculture (c) Small scale industries (d) Service sector</p>	<p>88. Price discrimination may be possible when</p> <ol style="list-style-type: none"><li>1. the nature of commodity or service is such that there is no possibility of transference from one market to the other</li><li>2. the markets are separated by large distance or tariff barriers</li><li>3. several groups of buyers require the same service from clearly differentiated commodities</li><li>4. buyers are well informed and rational</li></ol> <p>(a) 1 and 2 (b) 1, 3 and 4 (c) 2 and 3 (d) 1, 2 and 3</p> <p>89. A surge in foreign capital inflows in India would lead to the</p> <p>(a) sale of foreign exchange by the central bank in order to prevent depreciation of the rupee (b) purchase of foreign exchange by the central bank in order to prevent depreciation of the rupee (c) sale of foreign exchange by the central bank in order to prevent appreciation of the rupee (d) purchase of foreign exchange by the central bank in order to prevent appreciation of the rupee</p> <p>90. Structural transformation is that process in which</p> <p>(a) the contribution to national income by the manufacturing sector increasingly becomes higher than that by the agricultural sector (b) the contribution to national income by capital goods is more in comparison to labour (c) the contribution to national income by foreign investment is more in comparison to domestic investment (d) production is mainly meant for personal consumption and not for investment</p> <p>91. Which of the following are the components of the Inclusive growth?</p> <ol style="list-style-type: none"><li>1. Rapid pace of growth</li><li>2. Pattern of the economic growth</li><li>3. Productive employment</li><li>4. Direct income redistribution, as a means of increasing incomes for excluded groups</li></ol> <p>(a) 1 and 2 (b) 1, 2 and 3 (c) 1, 3 and 4 (d) 1, 2, 3 and 4</p>
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<p>92. Asteroids are chunks of rock that orbit the Sun in a belt and are not very big though. The biggest asteroid in the Asteroid Belt is</p> <p>(a) Haily (b) Braille (c) Ceres (d) Kuiper</p> <p>93. Which of the following statements are correct about the Farm output in India?</p> <p>1. India ranks second in the world in terms of total farm output 2. The average yield in India is generally 60% to 80% of the highest average yield in the world</p> <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p> <p>94. Which of the following methods are used by the Central Banks to increase (or decrease) the amount of money in the banking system?</p> <p>1. Printing paper currency at its discretion in an effort to increase the amount of money in the economy 2. Modifying reserve requirements, which is the amount of funds banks must hold against deposits in bank accounts 3. Changing short-term interest rates 4. Buying and selling government securities in the open market</p> <p>(a) 1, 2 and 3 (b) 2, 3 and 4 (c) 1, 2 and 4 (d) 1, 2, 3 and 4</p> <p>95. Which of the following statements are correct about the Westerlies?</p> <p>1. Westerlies are the prevailing winds in the middle latitudes between 30 and 60 degrees latitude, blowing from the high pressure area in the horse latitudes towards the poles 2. These prevailing winds blow from the east to the west 3. The winds are predominantly from the southwest in the Northern Hemisphere and from the northwest in the Southern Hemisphere</p> <p>(a) 1 only (b) 1 and 2</p>	<p>(c) 1 and 3 (d) 1, 2 and 3</p> <p>96. Which of the following strait is the main shipping channel between the Indian Ocean and the Pacific Ocean, linking major Asian economies such as India, China, Japan and South Korea?</p> <p>(a) Bass Strait (b) Strait of Dover (c) Strait of Malacca (d) Strait of Gibraltar</p> <p>97. The Mahayana Buddhism had two philosophical schools. Which of the following belonged to Mahayana Buddhism?</p> <p>(a) Madhyamika and Yogachara (b) Vijnanavada and Sthaviravada (c) Mahasanghika and Theraveda (d) Acharyavada and Sarvastivada</p> <p>98. Which of the following are the diseases involving the blood-brain barrier?</p> <p>1. Meningitis 2. Epilepsy 3. Multiple sclerosis 4. Neuromyelitis optica</p> <p>(a) 1 and 2 (b) 1, 2 and 3 (c) 1, 3 and 4 (d) 1, 2, 3 and 4</p> <p>99. According to Mathura pillar inscription Uditacharya consecrated two Sivalingas named</p> <p>(a) Gutteshwara and Kadambeshwara (b) Nageshwara and Naganatha (c) Kapileshwara and Upmiteswara (d) Nanjundeshwara and Shrishailleswara</p> <p>100. Which of the following are the main crops of the Indo-Gangetic Plain?</p> <p>(a) Rice and cotton (b) Wheat and sugarcane (c) Rice and wheat (d) Wheat and maize</p>
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Answer Sheet

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	21	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	41	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	61	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	81	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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