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**TEST BOOKLET
GENERAL STUDIES
Paper-I**

B

Time Allowed : Two Hours

Maximum Marks : 200

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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<p>1. The following pollutant is not contained in the vehicular exhaust emissions</p> <p>(a) Lead (b) Ammonia (c) Particulate matter (d) Carbon monoxide</p> <p>2. Environmental friendliness of a vehicle could be measured by the amount of pollutants it emits per passenger per kilometre travelled. Rate the environmental friendliness (1=best & 4=worst) of the following vehicles as per this criterion: Car : scooter : bus : bicycle</p> <p>(a) 4:3:2:1 (b) 2:3:4:1 (c) 3:2:4:1 (d) 4:2:3:1</p> <p>3. Diesel exhaust is the main source of three highly toxic pollutants that have a widespread impact on the urban air quality and human health. Name them</p> <p>(a) SPM, Sulphur dioxide and Nitrogen oxides (NOx) (b) Benzene, arsenic and formaldehyde (c) Sulphur dioxide, Ammonia and Benzene (d) Lead, NOx and CO₂</p> <p>4. Earlier, leaded petrol used to be the most widespread, though easily preventable, source of urban air pollution in the world. According to WHO (World Health Organization), 15–18 million children in the developing countries are already suffering from permanent brain damage due to lead poisoning. Why is tetra-ethyl lead added to petrol?</p> <p>(a) It prevents engine knocking (b) Reduces vehicular emissions (c) Increases life of motor tyres (d) None of the above</p> <p>5. Bhopal gas tragedy struck in the year 1984 due to the leakage of the following gas:</p> <p>(a) Methyl-iso-cyanate (b) Nitrous oxide (c) Methane (d) Carbon monoxide</p>	<p>6. Estimates of what U.S. fuel resource have grown 40 percent or more since 2006?</p> <p>(a) Natural gas (b) Coal (c) Wind (d) Geothermal</p> <p>7. Which of the following statements are correct?</p> <p>1. Ethanol always deliver lower fuel economy than gasoline 2. There is no choice for electricity generation that doesn't rely on water</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>8. Health problems related to air pollution include:</p> <p>(a) Coughing (b) Asthma (c) Bronchitis (d) All of these</p> <p>9. A device is fitted to motor vehicles to chemically reduce some gases produced by internal combustion engines like NO_x, CO, and HC into less harmful products. Name this device.</p> <p>(a) Catalytic converter (b) 2-stroke engines (c) Carburetor (d) Tail pipe</p> <p>10. Which disease is caused by a virus?</p> <p>(a) AIDS (b) Influenza (c) Polio (d) All of these diseases are caused by viruses.</p>
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<p>11. What minerals are found in the run-off from agricultural land and treated and untreated sewage effluents, which are highly responsible for eutrophication of water bodies?</p> <p>(a) Phosphorous and carbon (b) Nitrogen and phosphorus (c) Potassium and arsenic (d) Iron and manganese</p> <p>12. Microorganisms can include</p> <p>(a) Reptiles and Birds (b) Algae and Mosses (c) Prokaryotes and Eukaryotes (d) All of the above</p> <p>13. The GAP (Ganga Action Plan) – a project to clean up the polluted waters of the Ganga, plans to intercept and divert municipal sewage falling into the river from 25 large urban conglomerates in three states. Name them.</p> <p>(a) UP, Haryana and Punjab (b) UP, Bihar and West Bengal (c) Himachal Pradesh, UP, and Haryana (d) Orissa , Bihar and West Bengal</p> <p>14. Of the following indications of the health of a water body, which is the most widely accepted means of measuring how polluting an effluent is?</p> <p>(a) COD (Chemical oxygen demand) (b) BOD (Biological oxygen demand) (c) Chloroform content (d) Nitrogen content</p> <p>15. Wetlands are very rich and diverse ecosystems. Of the wetlands of international importance in the world, a large numbers are subject to moderate or high threat. Which convention signed in Iran protects this specific ecosystem (wetlands) on a global basis?</p> <p>(a) The Vienna Convention (b) The Ramsar Convention (c) The Basel Convention (d) The Bruntland convention</p> <p>16. In a survey conducted by the CGWA (Central Ground Water Authority) and CPCB (Central</p>	<p>Pollution Control Board), the groundwater samples in one-fourth of the neighborhood tested in New Delhi were unfit for drinking. They contained high levels of two minerals that are not eliminated by ordinary water filters and are extremely harmful at high concentrations. Name them.</p> <p>(a) Mercury and zinc (b) Fluoride and arsenic (c) Nitrate and flouride (d) Mercury and Flouride</p> <p>17. Water harvesting has emerged as a sensible method of meeting the water shortfall in a cost-effective manner and is now being applied in most cities to raise the groundwater levels. Which of the following state in India was the first to implement it?</p> <p>(a) Kerala (b) Tamilnadu (c) Rajasthan (d) Maharashtra</p> <p>18. Which sector is the single-largest consumer of fresh water in India?</p> <p>(a) Industry (b) Power (c) Domestic (d) Agriculture</p> <p>19. The report of a UNEP/ILEC joint project has identified water-level fluctuation as one of the six major problems confronting the world's lakes and reservoirs. The water level in which sea has been rising rapidly in the recent years making it necessary to protect cities, railways, and roads from the rising water?</p> <p>(a) The Caspian Sea (b) The Black sea (c) The Mediterranean sea (d) The Arabian sea</p> <p>20. Following is the most widely discussed impact of climate change:</p> <p>(a) Increase in average sea level (b) Deforestation (c) Soil erosion (d) None of the above</p>
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<p>21. Sea level is expected to rise because of warmer climate due to the following:</p> <p>(a) Oceans expand as they get warmer (b) Glaciers and ice-sheets melt (c) Both of the above (d) None of the above</p> <p>22. Viruses</p> <p>(a) Are Parasitic (b) Have No Nuclei (c) Can Hold Either DNA or RNA in their Core (d) All of the Above</p> <p>23. Which of these organisms is prokaryotic?</p> <p>(a) Algae (b) Bacteria (c) Nerve Cell (d) Amoeba</p> <p>24. Protists can move in which of these ways?</p> <p>(a) Whiplike Flagella (b) Cilia along their Surface (c) Pseudopods like an Amoeba (d) All of the Above</p> <p>25. We think lichens are cool because</p> <p>(a) They are delicate and die in very cold climates (b) They are a combination of cyanobacteria and fungi (c) They are parasitic (d) None of the Above</p> <p>26. CFCs (Chloro-Fluoro-Carbons) are greenhouse gases that have caused a rise of 0.3 °C in the global temperatures in the past century. Name the CFC that is used in refrigerators.</p> <p>(a) Carbon dioxide (b) Freon (c) Methane (d) Ammonia</p>	<p>27. The massive hole in the ozone layer over the Antarctica was first discovered in</p> <p>(a) 1976 (b) 1985 (c) 1960 (d) 1990</p> <p>28. India would phase out the production and consumption of the controlled ODS (Ozone-depleting substances) within the time frame and limits specified in the</p> <p>(a) Vienna Convention (b) Basel Convention (c) Montreal Protocol (d) Agenda 21</p> <p>29. Which is a member of the fungi kingdom?</p> <p>(a) Mushroom (b) Yeast (c) Water Mold (d) All are Fungi</p> <p>30. Compared to general-service incandescent lamps giving the same amount of visible light, CFLs</p> <p>1. use one-fifth to one-third the electric power 2. last eight to fifteen times longer</p> <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p> <p>31. In India and elsewhere, biomass can be obtained from</p> <p>(a) Groundnut shells (b) Sugarcane bagasse (c) Rice husk (d) All of the above</p>
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<p>32. Solar cells are simple photovoltaic devices that convert solar energy directly into electricity and are manufactured from the second-most abundant element in the earth's crust. Name it.</p> <p>(a) Bauxite (b) Silicon (c) Calcium (d) Magnesium</p> <p>33. Biogas is a methane-rich gas formed by fermentation of animal dung, human sewage and crop residue. The advantage(s) of biogas is/are:</p> <p>(a) A clean and smokeless fuel (b) Slurry left behind is used as fish feed (c) High potential in rural India (d) All of the above</p> <p>34. In rural areas, this gas can be generated and used for cooking and lighting .</p> <p>(a) Biogas (b) Oxygen (c) Ammonia (d) None of these</p> <p>35. Which is the most common non-commercial biological fuel in a large number of developing countries?</p> <p>(a) Animal dung (b) Crop residue (c) Coal (d) Fuelwood</p> <p>36. Hydro power, which is derived from water is one of the earliest sources of energy in the country. The first mini hydel plant was set up in 1897 at the following place.</p> <p>(a) Shimla (b) Dehra Doon (c) Kulu (d) Darjeeling</p> <p>37. Wind energy is the kinetic energy associated with atmospheric air. It has been used for centuries for the following operation.</p> <p>(a) Grinding grain</p>	<p>(b) Generating electricity (c) Running cars (d) None of the above</p> <p>38. Wind energy is one of the fastest-growing renewable energy source with worldwide wind power installed capacity reaching about 14 000 MW. India has over 1080 MW capacity wind farms. Name the state that leads in this sector.</p> <p>(a) Maharashtra (b) Punjab (c) Andhra Pradesh (d) Tamilnadu</p> <p>39. Large amounts of solar energy is stored in the oceans and seas. The process of harnessing this energy is called</p> <p>(a) OTEC (Ocean thermal energy conversion) (b) OTC (Ocean thermal conversion) (c) OSTEC (Ocean and sea thermal energy conversion) (d) None of the above</p> <p>40. Which of the following statements are correct about the geothermal energy?</p> <p>1. Geothermal energy is thermal energy generated and stored in the Earth 2. All the geothermal energy of the Earth's crust originates from the original formation of the planet</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>41. Incineration is a waste treatment process that involves the combustion of organic substances contained in waste materials. Which of the following are the byproducts of incineration?</p> <p>1. Ash 2. Flu gas 3. Heat</p> <p>(a) 1 only (b) 1 and 2 (c) 2 and 3 (d) 1, 2 and 3</p>
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<p>42. India generates about 4.3 million tonnes of hazardous wastes every year. Direct exposure to two chemicals in hazardous waste can cause death. Name them.</p> <p>(a) Mercury and arsenic (b) Cyanide and sulphur (c) Sulphur and arsenic (d) Mercury and cyanide</p> <p>43. The municipal solid waste generated in India is about 40% organic matter. Composting is the best method of disposal of organic solid waste. Where was the country's first aerobic composting plant set up in 1992?</p> <p>(a) Delhi (b) Mumbai (c) Kolkata (d) Chennai</p> <p>44. Match the following isotopes used in medicine with the treatments</p> <p>A. Y-90 ---- 1. Thyroid cancer B. I-131 ---- 2. Lymphoma C. Ir-192 ---- 3. Brachytherapy D. Sr-89 ---- 4. Bone cancer</p> <p>(a) A-1, B-2, C-3, D-4 (b) A-2, B-1, C-3, D-4 (c) A-3, B-1, C-1, D-4 (d) A-2, B-1, C-4, D-3</p> <p>45. Hazardous waste is generated mainly by the industrial sector. It not only causes harm to the environment but also leads to health problems. A small percentage of the hazardous waste is also generated in the house. Which of the following are the hazardous waste that is generated in the house</p> <p>1. Fingernail polish remover 2. Shoe polish 3. Plastic 4. Batteries</p> <p>(a) 4 only (b) 1 and 4 (c) 1, 2 and 4 (d) 1, 2, 3 and 4</p> <p>46. Composting is one of the oldest forms of disposal of waste. It is the natural process of decomposition of organic waste that yields</p>	<p>manure or compost. One of the following is added to the compost to get better results.</p> <p>(a) Ants (b) Bugs (c) Snakes (d) Worms</p> <p>47. Municipal waste is disposed in the open dumps, landfills, sanitary landfills and is also burnt in large furnaces. This method is known as</p> <p>(a) Incineration (b) Blast furnace (c) Waste combustors (d) None of the above</p> <p>48. Plastic was once hailed as the wonder material but is now becoming a serious environmental and health problem due to its non-biodegradable nature. Burning of plastics, especially PVC, releases the following harmful gas into the atmosphere.</p> <p>(a) Dioxins (b) Carbon monoxide (c) Phosphorous (d) Phosgene</p> <p>49. There are various municipal waste disposal methods. One of the following methods solves the problem of leaching to some extent.</p> <p>(a) Open dumps (b) Sanitary landfills (c) Landfills (d) Municipal solid waste landfill</p> <p>50. Which of the following statements are correct about the marine trash islands?</p> <p>1. The marine trash islands are formed due to oceanic currents carrying the marine trash to locations where they meet 2. The Great Pacific Garbage Patch is the most widely publicized of the so-called trash islands 3. Most of the trash is volcanic ash</p> <p>(a) 1 only (b) 2 only (c) 1 and 2 (d) 1, 2 and 3</p>
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<p>51. People all over the world have thought of innovative ideas for use of waste. One man in India, Nek Chand, has developed an exquisite artwork from garbage, a rock garden in this city.</p> <p>(a) Chennai (b) Lucknow (c) Chandigarh (d) Bangalore</p> <p>52. Most waste generated in the house can be recycled, but there are certain items that cannot be recycled. In the list given below, which item is not recyclable.</p> <p>(a) Newspaper (b) Plastic bags (c) Old medicines (d) Glass bottles</p> <p>53. A poisonous substance is produced in the spores of a fungal mould ('Aspergillus Flavus') that grows naturally on peanuts and grains. If ingested it can damage the immune system, cause liver cancer and is also mutagenic-inducing chromosomal damage in a wide range of animals. Name this toxin.</p> <p>(a) Betulinum toxin (b) Aflatoxin (c) Dioxin (d) All of the above</p> <p>54. Name the term commonly used for a technology that renders seeds sterile after the first generation.</p> <p>(a) Terminator Technology (b) Sterile technology (c) Killer Technology (d) None of the above</p> <p>55. Name a commercially used, genetically modified cotton plant resistant to the deadly cotton pest 'heliethis'</p> <p>(a) PR Cotton (b) Bt. Cotton (c) HR cotton (d) Ht Cotton</p>	<p>56. This nitrogenous plant converts nitrogen gas from the air into inorganic nitrogen compounds which enrich the soil, and is often used as a rotation crop known as?</p> <p>(a) Potatoes (b) Banana (c) Lentil (d) Onion</p> <p>57. Name the two most identifiable crops of the Green Revolution</p> <p>(a) Rice and Wheat (b) Rice and maize (c) Maize and rye (d) Wheat and maize</p> <p>58. In this method of disposal of organic waste where the waste is converted to fertilizer, this creature is put in the waste. Name it</p> <p>(a) Cockroach (b) Earth worms (c) Bugs (d) Lizards</p> <p>59. When one animal is used to suppress another, it is called this. For example, if snakes are encouraged in an area, the rodent population will be controlled. What is the term used?</p> <p>(a) Technical control of pests (b) Pest control (c) Botanical control of pests (d) Biological control of pests</p> <p>60. This naturally occurring element in the rice husk makes it termite resistant?</p> <p>(a) Silicon (b) Phosphate (c) Nitrates (d) Floride</p>
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<p>61. When a plant is considered for tissue culture, one prerequisite is that it has to be disease free. What is the other?</p> <p>(a) The leaves should be green (b) It should have high productivity (c) It should look strong (d) The stump should be thick</p> <p>62. This strain of rice was one of the first High Yielding Varieties of seeds developed in the world. Name it</p> <p>(a) IR-8 (b) IS-7 (c) RS-8 (d) RV-9</p> <p>63. Due to advances in mechanization and the development of new strains of crops, food production -- and consequently human population -- has increased rapidly since the early 1800's. This sudden increase in food productivity has been referred to as the:</p> <p>(a) Genetic revolution (b) Biotechnological revolution (c) White revolution (d) Green revolution</p> <p>64. Which element is depleted most from the soil after a crop is harvested?</p> <p>(a) Nitrogen (b) Potassium (c) Phosphate (d) Floride</p> <p>65. On this day in 1972, the Stockholm Conference on Human Environment was held in Sweden. Since then the World Environment Day is celebrated on this day. State the date</p> <p>(a) March 8 (b) June 5 (c) May 22 (d) October 8</p> <p>66. The state's and citizens' responsibilities for environmental protection is enshrined in the Constitution of India in the following two articles:</p>	<p>(a) 38G and 58A (b) 55B and 51D (c) 48A and 51 A (g) (d) 59B and 12D</p> <p>67. This species of bird native to North America was considered to have been one of the most numerous birds on earth. Intensive shooting and the destruction of the birds' natural breeding ground brought about a sudden fall in their numbers. The last of this species on earth died in a zoo in Circinnati in 1914. Name this bird.</p> <p>(a) The passenger pigeon (b) The Bald eagle (c) The Egret (d) The Falcon</p> <p>68. Wind erosion is one of the key causes of desertification and occurs when soil is left bare of vegetation. State the major cause of wind erosion in arid and semi-arid lands where this problem is most severe</p> <p>(a) Cleaning of land for agriculture (b) Deforestation (c) Overgrazing by livestock (d) Forest fires</p> <p>69. Which is the first state to implement the path-breaking proposal that environment should be included as a separate subject in schools?</p> <p>(a) Delhi (b) Maharashtra (c) Kerala (d) Tamil Nadu</p> <p>70. Name the gas released from landfills, decaying organic matter under shallow water in marshes and bogs, flooded paddy fields, by ruminant animals & termites and by the burning of biomass. A molecule of this gas has 21 times more global warming potential than a molecule of CO₂.</p> <p>(a) Sulphur dioxide (b) Methane (c) Ammonia (d) Nitrous Oxide</p>
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<p>71. Beginning in the 1960s, though high yielding varieties of food grains revolutionized Indian agriculture, it came with a price. What are the environmental costs associated with this phenomenal growth in food production?</p> <p>(a) Vast amounts of fertilizers used</p> <p>(b) Excessive use of underground water due to their higher water requirement</p> <p>(c) Excessive application of pesticides due to their low resistance to pests</p> <p>(d) All of the above</p> <p>72. 'Nitrosomonas' bacteria in the root modules of leguminous plants converts nitrogen gas from air into inorganic nitrogen compounds which enrich the soil and can be readily used by plants. Multiple cropping with legumes can thus significantly reduce the need for _____</p> <p>(a) Pesticides</p> <p>(b) Fertilizers</p> <p>(c) Irrigation</p> <p>(d) All of the above</p> <p>73. In the world's worst nuclear accident in 1986, 31 people died, 129 others suffered acute radiation and many thousands are expected to die prematurely as a result of exposure to radiation released from the stricken plant. Name the site of this mishap.</p> <p>(a) Three Mile Island, USA</p> <p>(b) Chernobyl, erstwhile Soviet Union</p> <p>(c) Bhopal, India</p> <p>(d) Windscale, UK</p> <p>74. Name the metal contained in broken fluorescent bulbs, tube lights and dead batteries which gets transported with common municipal solid waste and can be easily swallowed, inhaled or absorbed through the skin and can cause damage to the kidneys and nervous system.</p> <p>(a) Copper</p> <p>(b) Cadmium</p> <p>(c) Mercury</p> <p>(d) Arsenic</p> <p>75. The Geysers, a large steam reservoir north of San Francisco, USA, is the world's largest source of</p> <p>(a) Coal</p> <p>(b) Geothermal power</p>	<p>(c) Hydropower</p> <p>(d) Natural gas</p> <p>76. The Wildlife Week is celebrated from</p> <p>(a) 2-8 October</p> <p>(b) 1-7 June</p> <p>(c) 16-22 April</p> <p>(d) 14-20 January</p> <p>77. Cataract blinds at least 120 million people globally every year. What is its main cause?</p> <p>(a) Heredity</p> <p>(b) Ultraviolet radiation</p> <p>(c) Unbalanced diet</p> <p>(d) Gasoline fumes</p> <p>78. What is the primary source of food for marine life?</p> <p>(a) Phytoplankton</p> <p>(b) Zooplankton</p> <p>(c) Sea weed</p> <p>(d) Grass</p> <p>79. Name the Jammu & Kashmir born environmental activist and advocate who was awarded the renowned 'Goldman Environmental Prize' in 1996 and the 'Magsaysay Award' for Public Service in 1997. He/She has played a substantial role in the cleanup of the Taj Mahal & the Ganges and in promoting unleaded fuel in the 4 metros?</p> <p>(a) Mahesh Chandra Mehta</p> <p>(b) Medha Patkar</p> <p>(c) Chandiprasad Bhatt</p> <p>(d) Maneka Gandhi</p> <p>80. The Narmada Valley Project (NVP) which has been the subject of much debate, proposes to build 30 major dams, 135 medium sized dams and 3000 smaller dams on the Narmada river and its tributaries. What are the major concerns regarding this project?</p>
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<p>(a) The project will submerge over 4000 sq. km. of forest, cultivated land and grazing land</p> <p>(b) Between 1 & 1.5 million people will be displaced</p> <p>(c) At least 40% of the land to be irrigated is prone to water-logging and salination</p> <p>(d) All of the above</p>	<p>85. Approximatley how much of global electricity output is produced form renewable sources</p> <p>(a) 1%</p> <p>(b) 5%</p> <p>(c) 8%</p> <p>(d) 19%</p>
<p>81. There are essentially three qualities of coal, anthracite, bituminous and lignite. Of these three, lignite is the most inferior. 90% of the lignite reservers are found in the state of</p> <p>(a) Neyveli, Tamil Nadu</p> <p>(b) Nagpur, Maharashtra</p> <p>(c) Jharia, Bihar</p> <p>(d) Singrauli, U.P.</p>	<p>86. Which of the following is an alternative material for making paper?</p> <p>(a) Hemp</p> <p>(b) Panda excrement</p> <p>(c) Sheepskin</p> <p>(d) All of the above</p>
<p>82. Energy is consumed by all sectors of the economy but at different proportions. Which sector in India is the largest consumer?</p> <p>(a) Agriculture</p> <p>(b) Commercial</p> <p>(c) Industrial</p> <p>(d) Domestic</p>	<p>87. Which country currently emits the most greenhouse gases?</p> <p>(a) Russia</p> <p>(b) China</p> <p>(c) The United Kingdom</p> <p>(d) The United States</p>
<p>83. In small amounts this mineral helps prevent tooth decay. In higher concentrations, it is a health hazard, causing both skin and human bones to become soft and crumble and new bone formations to be deformed. Name this naturally occurring mineral</p> <p>(a) Iron</p> <p>(b) Fluoride</p> <p>(c) Sodium</p> <p>(d) Calcium</p>	<p>88. Which planet's poisonous atmosphere has been described as the product of a "runaway greenhouse effect"></p> <p>(a) Earth</p> <p>(b) Mars</p> <p>(c) Venus</p> <p>(d) Jupiter</p>
<p>84. Name a photochemical oxidant formed in the presence of sunlight that is a major pollutant of air</p> <p>(a) Ozone</p> <p>(b) Nitrogen oxide Nitrogen oxide</p> <p>(c) Sulphur dioxide</p> <p>(d) Ammonia</p>	<p>89. How many human deaths per year does the World Health Organization attribute to climate change?</p> <p>(a) 150,000</p> <p>(b) 1,500</p> <p>(c) 1,500,000</p> <p>(d) 10,500</p>
	<p>90. How long does it take for carbon dioxide in the atmosphere to disperse?</p> <p>(a) 1 year</p> <p>(b) 10 years</p> <p>(c) 50 years</p> <p>(d) 100 years</p>

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Model Test 6

General Studies Paper I

<p>91. Which Arctic animal do many scientists consider most vulnerable to extinction due to global warming?</p> <p>(a) Toucans (b) Tropical frogs (c) Polar bears (d) Narwhals</p> <p>92. During which time of day does air travel have the least damaging effect on the environment?</p> <p>(a) Daytime (b) Nighttime (c) They are equally damaging (d) None of the above</p> <p>93. Which of the following industries could be negatively affected by global warming?</p> <p>(a) Insurance (b) Commercial fishing (c) Wine making (d) All of the above</p> <p>94. How much energy from a coal power plant makes it to customers as electricity</p> <p>(a) A quarter (b) A third (c) Half (d) Two-thirds</p> <p>95. What standard homebuilding practice guarantees large heating and cooling losses</p> <p>(a) Locating heating units in basements (b) Installing double-paned windows (c) Using fibreglass insulation (d) Hiding ductwork in attics and crawlspaces</p> <p>96. Which country is the premier source of steel for nuclear power plants</p> <p>(a) US (b) Japan (c) UK (d) Russia</p>	<p>97. What global treaty has slashed world greenhouse gas emissions by 11 gigatons a year</p> <p>(a) The Kyoto Protocol (b) The United Nations Framework Convention on Climate Change (c) The Montreal Protocol (d) The United Nations Convention on the Law of the Sea</p> <p>98. What solution is said to have potential for 57 percent of needed carbon cuts by 2030</p> <p>(a) Space-based solar systems (b) Energy efficiency (c) Carbon capture and storage (d) Nanotechnology</p> <p>99. Which of the following has been linked to climate change</p> <p>(a) Droughts (b) Flooding (c) Melting ice caps (d) All of the above</p> <p>100. Where is the largest volume of ice outside the polar regions</p> <p>(a) South Island, New Zealand (b) Andes Mountains, South America (c) Rocky Mountains, U.S. (d) Tibetan Plateau, Asia</p>
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Answer Sheet

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