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Campus

**K D Campus Pvt. Ltd**

2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

**GS SPECIAL MOCK TEST- 21 (ANSWER KEY)**

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|---------|---------|---------|---------|----------|
| 1. (C)  | 21. (A) | 41. (B) | 61. (D) | 81. (A)  |
| 2. (B)  | 22. (C) | 42. (C) | 62. (A) | 82. (D)  |
| 3. (C)  | 23. (D) | 43. (D) | 63. (D) | 83. (C)  |
| 4. (B)  | 24. (C) | 44. (B) | 64. (A) | 84. (C)  |
| 5. (B)  | 25. (A) | 45. (C) | 65. (B) | 85. (D)  |
| 6. (D)  | 26. (C) | 46. (D) | 66. (D) | 86. (B)  |
| 7. (C)  | 27. (D) | 47. (D) | 67. (B) | 87. (D)  |
| 8. (C)  | 28. (A) | 48. (B) | 68. (D) | 88. (B)  |
| 9. (B)  | 29. (C) | 49. (D) | 69. (B) | 89. (D)  |
| 10. (D) | 30. (D) | 50. (A) | 70. (A) | 90. (B)  |
| 11. (B) | 31. (C) | 51. (A) | 71. (A) | 91. (C)  |
| 12. (C) | 32. (B) | 52. (D) | 72. (C) | 92. (C)  |
| 13. (D) | 33. (D) | 53. (C) | 73. (C) | 93. (D)  |
| 14. (C) | 34. (C) | 54. (B) | 74. (C) | 94. (C)  |
| 15. (D) | 35. (C) | 55. (C) | 75. (B) | 95. (C)  |
| 16. (C) | 36. (C) | 56. (A) | 76. (D) | 96. (D)  |
| 17. (B) | 37. (D) | 57. (D) | 77. (B) | 97. (C)  |
| 18. (B) | 38. (A) | 58. (C) | 78. (A) | 98. (B)  |
| 19. (C) | 39. (C) | 59. (A) | 79. (C) | 99. (C)  |
| 20. (C) | 40. (D) | 60. (D) | 80. (C) | 100. (D) |

**Note :** If your opinion differ regarding any answer, please message the mock test and Question number to 8860330003

**Note :** If you face any problem regarding result or marks scored, please contact : 9313111777

**GS SPECIAL MOCK TEST-21 (SOLUTION)**

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| <p>1. (C)</p> <p>2. (B) India's economic development has not been constant in the last decade and it has been fluctuating. Hence, statement 1 is wrong. Statement 2 is correct, as food production has been varying since last few years.</p> <p>3. (C) Regular G.D.P. growth has been considered as the major indicator of economic growth in Indian economy.</p> <p>4. (B) Natural growth rate of population is the difference between Crude Birth Rate and Crude Death Rate.</p> <p>5. (B)</p> <p>6. (D) Central government provides 50% of the total capital of the RRBs through NABARD and RRBs give loans to the cobwebbed sections of the society. Hence correct option is (D).</p> <p>7. (C) Statement 1 is correct. Statement 2 because ICAR is headquartered in the New Delhi Statement. 3 is wrong because the Chairman of the general body is Agricultural Minister. Statement is correct. Hence (c) is correct answer.</p> <p>8. (C)</p> <p>9. (B) Statement 1 is incorrect because Chairman of the National Commission on Population is the Prime Minister. Rest all three statements correct.</p> <p>10. (D) CSR's Idea is applicable to both public and private companies. Payment made by company to its employees and donation to a political party is not to be considered as CSR. Expenditure by the companies on conservation of Environment is considered as CSR.</p> <p>11. (B) It provides employment to almost 90% of the population and contributes to almost half of the GDP. Currently, various rules have been made for the people working in this sector along with various social security measures have been initiated.</p> <p>12. (C)</p> <p>13. (D) Price erosion means the decrease in the value of a product with the time. Physical Capital like machines face continuous erosion of value. Human capital too erodes with the age because the efficiency goes down. The value of currency also undergoes erosion on the basis of supply and demand.</p> | <p>14. (C) In the Constitution of India, the provision for the distribution of resources has been in the form of sharing the tax revenues and through the grants-in-aid. Statement (2) and (4) are wrong. There is no such provision in the Constitution of India.</p> <p>15. (D) If the per capita income is increasing in the economy, then the demand will definitely increase.</p> <p>16. (C)</p> <p>17. (B)</p> <p>18. (B)</p> <p>19. (C) If the government ensures that more children are attending schools it will enhance the education standards and by reducing child malnutrition the health standard will improve Improving the main components of HDI-Health education, per capita income will enhance the Human Development Index. Hence statements 2 and 3 are correct.</p> <p>20. (C)</p> <p>21. (A) Governor has no power of relaxation or to commute any punishment awarded by court martial. These powers are vested in the President.</p> <p>22. (C)</p> <p>23. (D) Andaman and Nicobar island Jurisdiction-Calcutta High Court.</p> <p>24. (C) Deputy Governor is the executive head of Andaman &amp; Nicobar islands.</p> <p>25. (A)</p> <p>26. (C)</p> <p>27. (D)</p> <p>28. (A) The advice given by Supreme Court during examining the charge of misbehaviour on members of Union Public Service Commission in mandatory for the President.</p> <p>29. (C)</p> <p>30. (D) National Commission for Scheduled Caste is a constitutional body. This has been set up by article 338 of the Constitution. Other National Commissions like National Woman Commission (1992) National Commission for Minorities (1993) etc, are Statutory Commissions but not the constitutional because these have been set up by the parliament act.</p> <p>31. (C) (I)The provision of special officer for linguistic by seventh constitutional</p> |
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- amendment act, 1956 was made under article 350 B of Part XVII of the Constitution.
- (II) The headquarter of the Commissioner is in Allahabad (Uttar Pradesh). It's 3 regional offices are in Belgaum (Karnataka), Chennai (Tamil Nadu) and Kolkata (West Bengal).
32. (B) The salary of Comptroller and Auditor General of India is same as salary of justice of Supreme court.
33. (D)
34. (C) Attorney General of India can participate in joint session of both the houses of the Parliament without having right to vote.
35. (C) National Development Council was established in August, 1952 on the recommendations of executive of the Government of India.
36. (C) Tenure of Chairman or member of the National Human Right Commission is for 5 years or upto completion of the age of 70 years.
37. (D)
38. (A) Information Commission is not a constitutional body.
39. (C)
40. (D) 92<sup>nd</sup> constitutional amendment added Maithali, Boda, Dogari and Santhali languages.
41. (B) Any disciplinary action against All India Services officers can be taken only by the Central Government.
42. (C)
43. (D) Under article 323(B), both parliament and state legislature have right to form tribunal.
44. (B) Dietary fiber consists of non-digestible Carbohydrates. Dietary fibers are found in fruits, vegetables and whole grains and coarse cereals. Dietary fibers are important for our digestive health and regular bowel movements.  
Fiber also can improve cholesterol and blood sugar levels and can assist in preventing some diseases such as diabetes, heart disease and bowel cancer. Rice have very low level of fiber as it is mainly made of digestible carbohydrates.
45. (C) Maha Digital Locker is an online repository developed by Government of Maharashtra, where users can upload important documents that are required for government jobs and services. Users must have Aadhaar number to avail this facility.
46. (D) Master Control Facility - Hassan.
47. (D) India is trying to be the member of all 4 groups but a present it is member of none of the groups.
48. (B) DNA profiling (also called DNA fingerprinting, DNA testing, or DNA typing) is forensic technique used to identify individuals by characteristics of their DNA. A DNA profile is a small set of DNA variations that is very likely to be different in all unrelated individuals there by being as unique to individuals as are fingerprints. DNA profiling should not be confused with full genome sequencing.
49. (D) It will be placed into a Low Earth Orbit of 800 km. The ambitious solar mission will study the sun's outer most layers, the corona and the chromosphere. It will collect data about coronal mass ejection, which will also yield information for space weather prediction. After a seven year long wait, Aditya, India's first dedicated scientific mission to study the sun, is likely to get a go-ahead from the Prime Minister's Office (PMO). It will be launched in 2019-20 timeframe.
50. (A) Contactless payment systems are credit cards and debit cards, key fobs, cards or other devices, including smartphones and other mobile devices, that use radio-frequency identification (RFID) or Near Field Communication (NFC) for making secure payments.
51. (A) WiMAX is an OFDMA-based data-centric technology ideal for use in delivering 4G mobile services. WiMAX is currently being used by operators across the world precisely for this purpose. Today, WiMAX is being embedded in hundreds of devices including USB dongles, MiFi devices, laptops and cellular phones.
52. (D) The SI unit of temperature is Kelvin. Celsius is not an SI unit.
53. (C)
54. (B) Total Internal Reflection (TIR) is the reflection of the total amount of incident light at the boundary between two media. This can only occur when the light in a medium with a higher refractive index reaches a boundary with a medium of lower refractive indees. In optical fiber, Total Internal Reflection principle is used to transfer signals. Optical fibers are made up of glass as well as plastics.
55. (C) Static friction is a friction between two or more solid objects that are not moving

- relative to each other. Kinetic (or dynamic) friction occur when two objects are moving relative to each other and rub together.  
Friction is independent of the area of contact.
56. (A)
57. (D) Compressed air and spring have potential energy Battery and Capacitor have electric energy.
58. (C)
59. (A) Resistance is directly proportional to the length and indirectly proportional to the area. Resistance has no fix relationship with temperature. In conductors, resistance increases with increase in temperature whereas in semiconductors and insulators, resistance decreases with increase in temperature.
60. (D) Parallel currents flowing in same direction attract and antiparallel currents repel.
61. (D) Ripening of fruits involves various chemical reactions and so is not a physical process.
62. (A) Centrifugation is a process used to separate or concentrate materials suspended in a liquid medium.
63. (D) Isotopes have same number of protons. U-235 and U-238 are isotopes. Isotones have same number of neutrons U-236 and Plutonium-238 are Isotones.
64. (A) Iodine-123 is radioactive isotope of Iodine and is used for Brain imaging.
65. (B)
66. (D) Helium is mixed with oxygen in the cylinder for deep sea diving. Helium is used to keep nuclear reactors cool.
67. (B)
68. (D)
69. (B) In thermodynamics, the term exothermic process describes a process or reaction that releases energy from the system, usually in the form of heat, also in a form of light.
70. (A) Octane number is a standard measure of the performance of an engine or aviation fuel , In broad terms, fuels with higher octane rating are used in high performance petrol engines that require higher compression ratios.
71. (A) LPG mainly contains Butane. Water gas is obtained from opium and used medicinally to relieve pain.
72. (C) In some plants, stems are modified to perform different functions. Underground stems of potato, ginger, turmeric, zaminkand, colocasia are modified to store food in them.
73. (C) Leaves are often modified to perform functions other than photosynthesis. They are converted into tendrils for climbing as in peas or into spines for defence as in cacti.  
The fleshy leaves of onion and garlic store food. In some plants such as Australian acacia, the leaves are small and short-lived.
74. (C) Rough Endoplasmic Reticulum is frequently observed in the cells actively involved in protein synthesis and secretion. They are extensive and continuous with the outer membrane of the nucleus. The smooth endoplasmic reticulum is the synthesis of lipid.
75. (B)
76. (D) Plant cell walls are made up of cellulose. Paper made from plant pulp and cotton fibre is cellulosic.
77. (B) Oxygen travels from atmosphere to Lungs. Because of the pressure gradient.
78. (A) Environment Impact Assessment (EIA) was introduced in India in 1978 with respect to river valley projects. Later the EIA legislation was enhanced. Environment Impact Assessment is now mandatory for 30 categories of projects.
79. (C) Environment Protection Act, 1986 is Act enacted by Parliament of India. In the wake of the Bhopal Tragedy, the Government of India enacted the Environment Protection Act of 1986 under Article 253 of the Constitution. The purpose of the Act is to implement the decisions of the United National Conference of the Human Environments. They relate to the protection and improvement of the human environment and the prevention of hazards to human beings, other living creatures, plants and property.
80. (C) The Montreal Protocol (A protocol to the Vienna Convention for the protection of the ozone layer) is an international treaty which aims at protection of ozone layer by phasing out the production of numerous substances that are responsible for ozone depletion. It was agreed on 16<sup>th</sup> September, 1987 and entered into force on January, 1989.

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| <p>81. (A) A carbon tax is a tax levied on the carbon content of fuels. India has been levying Carbon Tax on Coal since 1<sup>st</sup> July, 2010. The rate has been increased to ₹ 200 per tonne in the Budget 2015-16. Few countries like United States, Russia, and China are against Carbon Tax.</p> <p>82. (D) 2010-2020 is the UN Decade on Biodiversity Nagoya Protocol provides a transparent legal framework for the fair and equitable sharing of benefits arising out of the utilization of genetic resources which is one of the objective of CBD.</p> <p>83. (C) Ecomark is a certification mark issued by the Bureau of Indian Standards (B.I.S.) to products conforming to a set standards aimed at the least impact on the ecosystem. The marking scheme was started in 1991. Ecomark is for a few hold and consumer products.</p> <p>84. (C) The use of a single farm for multiple purposes, as the growing of cash crops or the raising of livestock is called as mixed farming.</p> <p>85. (D)</p> <p>86. (B) The core zone is fully protected and natural area of the Biosphere Reserve which is least disturbed by human activities. It is legally protected, ecosystem in which entry is not allowed except with permission for some special purpose. Destructive sampling for scientific investigations is prohibited. The buffer zone surrounds the core zone and is managed to accommodate a greater variety of resource use strategies, research and educational activities. The transition zone, the outermost part of the Biosphere Reserve, is an area of active cooperation between the reserve management and the local people, wherein activities like settlements are conducted in harmony with the conservation goals.</p> <p>87. (D) A biome is large ecosystem where plants, animals, insects, and people live in a certain type of climate. Most deciduous forests are mostly found in Eastern India and peninsular India's western found in Eastern India and peninsular India's western Ghat. Coniferous forests are found in middle Himalayas. Alpine biome is found in upper himalayas. Grasslands are found in Terai-Duar Region in the base of Himalayas and many other areas.</p> | <p>88. (B) National Green Tribunal (NGT) is a statutory body and is established through NGT Act, 2010. NGT has 5 Benches - Principle Bench in New Delhi and 4 regional benches each in Pune, Bhopal Chennai, Kolkata.</p> <p>89. (D) The Ministry for Environment, Forests and Climate Change launched The National Air Quality Index (AQI) in New Delhi in 2014 under the Swachh Bharat Abhiyan. It is outlined as 'One Number One Colour-One Description' for the common man to judge the air quality within his vicinity. The AQI considers eight pollutants (PM<sub>10</sub>, PM<sub>25</sub>, SO<sub>2</sub>, CO, O<sub>3</sub>, NH<sub>3</sub> and Pb) There are six AQI categories, namely Good, Satisfactory, Moderately polluted, Poor, Very Poor and Severe.</p> <p>90. (B) IUCN's Headquarter is located at Gland, Switzerland.</p> <p>91. (C) Olive Ridley turtle is a medium sized species of sea turtle found in tropical waters, primarily in the Pacific and Indian Oceans. Although they are found in abundance but their population has been declined by half. The coast of Odisha in India is the largest mass nesting site for them.</p> <p>92. (C) • Gorewada Wildlife Rehabilitation Centre- Nagpur<br/>• Ecology Degradation Management Institute-Delhi</p> <p>93. (D)</p> <p>94. (C) This survey includes 73 cities having population above 10 lakhs. Mysore was selected as the most cleanest city whereas New Delhi got fourth position and greater Mumbai got tenth position from amongst top 10.</p> <p>95. (C)</p> <p>96. (D) All the given plants are angiosperms, they lack chlorophyll. All these are parasitic plants.</p> <p>97. (C) Due to much water oxygen does not enter in water logged soil, consequently roots of plants become unable to respiration. Plants growing up in these soils carry air vacuole to store air.</p> <p>98. (B) Organic elements in the soil are increased, Nitrogen increases and their pH value decreases due to low temperature and heavy rainfall at high altitude.</p> <p>99. (C) Flow of energy in any food chain is always unidirectional.</p> <p>100. (D)</p> |
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