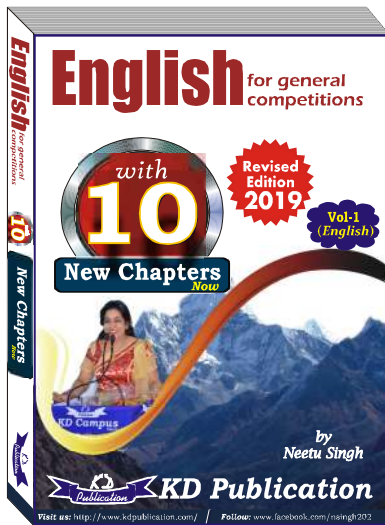


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1997, GROUND FLOOR OPP. MUKHERJEE NAGAR POLICE STATION, OUTRAM LINES, GTB NAGAR, DELHI -9

GS SPECIAL MOCK TEST- 107 (ANSWER KEY)

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



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

Note : Whatsapp with Mock Test No. and Question No. at 7053606571 for any of the doubts. Join the group and you may also share your suggestions and experience of Sunday Mock test.

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

GS SPECIAL MOCK TEST-107 (SOLUTION)

- 2.(C) The greenhouse effect is a naturally occurring process, and it has just exponentially increased due to the rapid increase in population and urbanization. In greenhouse effect, longwave energy (infrared rays) are trapped and are prevented from escaping earth system, greenhouse buildings use the concept of the greenhouse effect and so will any building made of glass.
- 3.(B) Photochemical smog is a type of smog produced when ultraviolet light from the sun reacts with nitrogen oxides in the atmosphere. It is visible as a brown haze, and is most prominent during the morning and afternoon, especially in densely populated, warm cities.
- 4.(C) The cell wall is not found in the animal cell. It is the characteristic feature of the plant cell.
- 5.(A) Bank rate is the rate at which the RBI lends to the commercial banks. So, when the rate is reduced, banks borrow more and lend more to retail loan seekers thus infusing more liquidity, meaning higher off-take of currency supply in the system.
- 8.(C) The Santhal rebellion (sometimes referred to as the Sonthal rebellion), commonly known as Santal Hool, was a native rebellion in present day Jharkhand, eastern India against both the British colonial authority and upper caste zamindari system by the Santal people. The Santhal revolt took place in 1855-56. The main leader was Sidhu and Kanhu.
- 9.(D) Digboi refinery is the first refinery in the country and the world's oldest working oil refinery. It was founded in 1901.
- 10.(C) Purkinje used the word 'Protoplasm' first time for living cells. Inside the cell wall of living cell the living substance is known as protoplasm. Every cell consists of protoplasm, a cell without protoplasm is considered to be dead.
- 11.(B) A current account deficit is when a country imports more goods, services and capital than it exports. Deflation is wrong because deflation (decrease in the general price level of goods and services) is a market process and not a strategy followed by government whereas Protectionism is a process adopted by the government to promote the indigenous industry.
- 15.(A) Ram Mohan Roy was an Indian religious, social, and educational reformer who challenged traditional Hindu culture and indicated the lines of progress for Indian society under British rule. He is also called the "maker of Modern India" and "Father of Modern India". He, along with Dwarkanath Tagore and other bengalis, founded the Brahma Sabha in 1828, which engendered the Brahma Samaj. Ram Mohan Roy was given the title of 'Raja' by Akbar Shah II.
- 16.(C) Chennai Port, formerly known as Madras Port, is the third largest container port of India. The port is the largest one in the Bay of Bengal. It is an artificial and all-weather port with wet docks.
- 17.(C) The urethra is an accessory duct of the male reproductive system that originates from the urinary bladder. It acts as the common passage for both urine and semen. The female reproductive system mainly comprises of ovaries, Fallopian tubes, uterus, cervix, vagina, etc.
- 19.(B) Light waves are electromagnetic waves. In this, wave electric and magnetic fields are always perpendicular to the direction of travel of the wave.
- 20.(B) Humans obtain energy from the following classes of bio molecules- carbohydrates, lipids and proteins. Out of these, the maximum energy can be obtained from the oxidation of fats. Protein and carbohydrates both provide 4 calories per gram (approx.), while fats provide approximately 9 calories per gram.
- 21.(A) Harisena was the court poet of Samudragupta, who mentioned the achievements of Samudragupta in the Prayag-Prasasti inscription (or Allahabad Pillar inscription).
- 23.(B) Kamala Devi has been named as 2017 All India Football Federation Player of the year in the women's Category and Indian football team captain Sunil Chhetri was named 2017 All India Football Federation (AIFF) Player of the Year in the men's category. E Panthoi was named as the 2017 woman Emerging Player of the Year.

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- 24.(C) Cholera germs was discovered by German physician and microbiologist Robert Koch. When a person consumes the contaminated food or water, the bacteria release a toxin in the intestines that produces severe diarrhea.
- 29.(D) Tides are the rise and fall of sea levels caused by the combined effects of the gravitational forces exerted by the Moon and the Sun and the rotation of Earth. High spring tides occur at new moon and full moon because; the Sun, Earth and the Moon are in straight line.
- 36.(C) The stratosphere is the second major layer of Earth's atmosphere. The ozone layer is a region of Earth's stratosphere that absorbs most of the Sun's ultraviolet (UV) radiation.
- 37.(B) The most profound influence was exercised by the government of India Act of 1935. Such features as the federal scheme, office of governor, power of federal judiciary, emergency powers etc were drawn from this Act. The British practice influenced the lawmaking procedures, rule of law, system of single citizenship, besides, of course, the model of a parliamentary government. The US Constitution inspired details on the independence of judiciary, judicial review, fundamental rights, and the removal of Supreme Court and High Court judges. The Irish Constitution was the source of the Directive Principles method of Presidential elections and the nomination of members of Rajya Sabha by the President.
- 41.(B) Gastrin is a hormone, which stimulate secretion of digestive enzyme in stomach. Trypsin, Pepsin and ptyline are the digestive enzyme of human system.
- 44.(B) The most significant Act which declared that the sovereignty of the British Empire in India was in the hands of the British Crown was the company's Charter Act of 1853.
- 45.(D) Most insects respire by the tracheal system. In this - system, gas is directly transported to the tissues by air-filled tubules that bypass blood. The pores to the outside, called spiracles, deliver the gases of respiration.
- 46.(C) Mission Indradhanush is a health mission of the government of India. It was launched by Union Health Minister J. P. Nadda on 25 December 2014. It aims to immunize all children under the age of 2 years, as well as all pregnant women, against seven vaccine preventable diseases. The diseases being targeted are diphtheria, whooping cough, tetanus, poliomyelitis, tuberculosis, measles and Hepatitis B.
- 49.(B) Hoysala architecture is the building style developed under the rule of the Hoysala Empire between the 11th and 14th centuries, in the region known today as Karnataka, a state of India. Large and small temples built during this era remain as examples of the Hoysala architectural style, including the Chennakesava Temple at Belur, the Hoysaleswara Temple at Halebidu, and the Kesava Temple at Somanathapura.
- 51.(D) The Cabinet Mission plan, 1946 was the basis for the constitution of the Constituent Assembly of India. The UK government led by its Prime Minister Clement Atlee formed the Cabinet Mission to India in 1946 with a view to discuss the transfer of power and resolve the constitutional deadlock between the Indian political leaders.
- 52.(B) Insectivorous plants like pitcher plant, bladderwort and sundew, have specialised leaves to catch insects. The leaves of carnivorous plants trap, hold, digest insects and other small animals. Carnivorous plants are found chiefly in bogs, sandy areas and tropical rain forests. In such areas, nitrogen and various other essential food elements are likely to be present only in small amount. Such elements are provided by animals trapped in leaves. These plants are known as partial heterotrophs.
- 57.(D) Ecuador is a representative democratic republic in northwestern South America, bordered by Colombia on the north, Peru on the east and south, and the Pacific Ocean to the west.
- 59.(A) Echidna is the only egg-laying, (i.e. oviparous) "mammal known as monotremes. The female lays a single, soft-shelled, leathery egg twenty-two days after mating and deposits it directly into her pouch. These animals are placed in group called metatherians. They form the connecting link between prototherian and Eutherian.
- 61.(A) Mahesh Kumar Malani of the Pakistan Peoples Party's (PPP) has become the first Hindu candidate to win a National Assembly seat, 16 years after non-Muslims got the right to vote and contest on general seats in the country.

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- Myopia or shortsightedness is a flaw in the eyes, in which the closest thing is clearly visible, but not distant things. When this error arises in the eye, the parallel granadilla of light creates a reflection before the retina (not on the retina) after refraction, due to this, the reflection of distant objects is not clear (Out of Focus) and the cheeses appear to be blurred.
- 66.(A) Oxygen is released during the light reactions of photosynthesis.
- 68.(B) Under the Global Hepatitis Programme, the government will now offer free drugs and diagnosis for Hepatitis B and C. The aim of the initiative is to reduce morbidity and mortality due to viral hepatitis. The government aims to eliminate viral hepatitis by 2030.
- 69.(D) An iron needle sinks in water whereas a ship made of iron floats on it because Specific gravity of the needle is greater than that of water displaced by it. The ship is less dense than the water because it has a large volume but overall weighs less than the equivalent volume of water.
- 75.(B) Zanskar valley lies to the south west of Leh, surrounded by the Himalayan and Zanskar ranges.
- 73.(B) Hydrofluoric acid is a solution of hydrogen fluoride (HF) in water. Hydrofluoric acid (HF) solution shouldn't be stored in glass containers as it readily reacts with the silicates present in the glass to form hexafluorosilicic acid (H₂SiF₆).
- 76.(B) Enriched uranium is a type of uranium in which the per cent composition of uranium-235 has been increased through the process of isotope separation. Uranium found in nature consists largely of two isotopes, U235 and U238. Natural uranium contains 0.7% of the U235 isotope. The remaining 99.3% is mostly the U238 isotope which does not contribute directly to the fission process. Isotope separation is difficult because two isotopes of the same element have very nearly identical chemical properties, and can only be separated gradually using small mass differences. U235 is only 1.26% lighter than U238.
- 78.(B) Telangana is surrounded by Maharashtra and Chhattisgarh in the North, Karnataka in the West and Andhra Pradesh in the South and East directions.
- 79.(A) Emergency Provisions are contained in Part Eighteen of the Constitution of India. The President of India has the power to impose emergency rule in any or all the Indian states if the security of part or all of India is threatened by "war or external aggression or armed rebellion".
- 81.(B) White label ATMs are owned and run by a company that is not in the bank in itself. Non-bank entities opening these ATMs are free to choose the location of the ATMs keeping in mind rural-urban ratio. These ATMs accept debit cards of all banks.
- 84.(D) Portuguese explorer Vasco da Gama discovered a sea route to India in 1497-1498. Actually, an unnamed Indian navigator he hired in Kenya directed the journey from the east coast of Africa to what is now Kozhikode, India.
- 86.(C) 5th Schedule - Provisions regarding the control and administration of scheduled and tribal regions.
- 93.(C) Preamble to the Constitution of India is a brief introductory statement that sets out the guiding purpose and principles of the document, and it indicates the source from which the document derives its authority, meaning, the people.
- 94.(A)
- | | |
|-----------------|--------------|
| a. Plague | 1. Bacteria |
| b. Filaria | 2. Lymphnode |
| c. Encephalitis | 3. Brain |
| d. AIDS | 4. Virus |
- 97.(D)• Morphine is a pain medication of the opiate variety which is found naturally in a number of plants and animals. It acts directly on the central nervous system (CNS) to decrease the feeling of pain.
- Sodium is high reactive element. If it is kept in open it can explosively react with oxygen to catch fire. Hence to prevent accidental damage sodium is immersed in kerosene oil.
 - Boric acid is a weak, monobasic Lewis acid of boron, which is often used as an antiseptic, insecticide, flame retardant, neutron absorber, or precursor to other chemical compounds.
 - German silver is alloys of copper, zinc, and nickel, sometimes also containing lead and tin.
- 98.(D) It was Lord Dalhousie (1848-1856) who ordered work to begin on the Hindustan Tibet Road in June 1850.
- 99.(A) The K9 Thunder is a South Korean self-propelled 155 mm howitzer. It is developed by Samsung Techwin for the Republic of Korea Armed Forces and now manufactured by Hanwha Land Systems.