

CDS General Knowledge Practice Set

| Section | Questions | Marks | Time | -Ve |
|---------|-----------|-------|-------|-----|
| GK | 120 | 100 | 2 hrs | 1/3 |

Q1. Biodiversity hotspots resulting from extremely dense human population leading to destruction of natural habitats, are found in India Indonesia

- (a) 1,2,3
- (b) 2,3,4
- (c) 1,2,4
- (d) 1,2 only

Q2. Chemical substances that may be able to treat macular degeneration causing blindness, are extracted from:

- (a) Penicillin fungus
- (b) (Amphibians
- (c) Scorpions
- (d) (Sharks

Q3. Despite an impressive count of Asian elephant between 25000 to 27000, one of the biggest threats facing the elephant in India is:

1. Gradual loss of habitat
2. Confinement to fragmented forests
3. Fragmentation of habitat due to developmental activities
4. Absence of corridors to connect their habitats

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

Q4. Consider the following statements:

1. Elephants have profound effect on ecosystems, both positive and negative effects on other species with their foraging activities
2. By pulling down trees to eat leaves and breaking branches, elephants reduce woody cover creating clearings in forests.
3. They convert forests to savannas and savannas to grasslands.
4. These changes benefit browsers at the expense of grazers.

Which of the above statements are true?

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

Q5. Which one of the following metals is less reactive than hydrogen?

- (a) Barium
- (b) Copper
- (c) Lead
- (d) Magnesium

Q6. Which one of the following is the secondary source of light in a fluorescent lamp?

- (a) Neon gas
- (b) Argon gas
- (c) Mercury vapour
- (d) Fluorescent coating

Q7. Which among the following elements is abundant on the lunar surface and holds the potential to put an end to the energy crisis of the earth?

- (a) Helium-I
- (b) Helium-II
- (c) Helium-III
- (d) Helium-IV

Q8. The law enforcement agencies use a chemical test to approximate a person's blood alcohol level. The person undergoing the test blows into the mouthpiece of a bag containing sodium dichromate solution in acidic medium. A chemical reaction with ethanol changes the colour of the solution from

- (a) orange to green
- (b) orange to colourless
- (c) yellow to orange
- (d) colourless to orange

Q9. Sodium thiosulphate ($\text{Na}_2 \text{S}_2\text{O}_3$) solution is used in photography to

- (a) remove reduced silver
- (b) reduce silver bromide (AgBr) grain to silver
- (c) remove undecomposed AgBr as a soluble silver thiosulphate complex
- (d) convert the metallic silver to silver salt

Q10. Which one among the following polymers is used for making bulletproof material?

- (a) Polyvinyl chloride
- (b) Polystyrene
- (c) Polyethylene
- (d) Polyamide

Q11. Food cans are coated with tin but not with zinc because

- (a) zinc is costlier than tin

- (b) zinc has a higher melting point than tin
 (c) zinc is more reactive than tin
 (d) tin is more reactive than zinc

Q12. Which of the following statements is/are correct?

- Amnion contains fluid.
 - Ultrasound scan can detect the sex of an embryo. Select the correct answer using the codes given below
- (a) Only 1
 (b) Only 2
 (c) Both 1 and 2
 (d) Neither 1 nor 2

Q13. Electricity is produced through dry cell from

- (a) chemical energy
 (b) thermal energy
 (c) mechanical energy
 (d) nuclear energy

Q14. Soap forms a colloidal solution in water and removes the greasy matter by

- (a) absorption
 (b) emulsification
 (c) electrolysis
 (d) electrophoresis

Q15. Different chromatographic techniques are used to separate

- all sorts of mixtures
- only volatile components
- only solid components
- only isomers

The correct term(s) is/are

- (a) 1 only
 (b) 1,4 only
 (c) 2,3 only
 (d) 3,4 only

Q16. Second law of thermodynamics is about

- (a) temperature
 (b) pressure
 (c) entropy
 (d) enthalpy

Q17. Television signal cannot be received generally beyond a particular distance due to

- (a) curvature of the Earth
 (b) weakness of antenna
 (c) weakness of signal
 (d) absorption of signal in air

Q18. Raw mangoes shrivel when pickled in brine. The phenomenon is associated with

- (a) osmosis
 (b) reverse osmosis
 (c) increase of surface tension of fluid
 (d) decrease of surface tension of fluid

Q19. The cat can survive fall from a height much more than human or any other animal.

It is because the cat

- (a) can immediately adjust itself to land on all four paws and bend the legs to absorb the impact of falling
 (b) has elastic bones
 (c) has thick and elastic skin
 (d) also gets injury equally with other animals, but has tremendous endurance, resistance and speedy recovery

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Q20. When ice melts, its

- (a) volume decreases
 (b) volume increases
 (c) volume and mass both decrease
 (d) volume decreases while mass increases

Q21. Which one among the following is not a correct statement?

- (a) Cathode rays are negatively charged particles
 (b) Cathode rays are produced from all the gases
 (c) Electrons are basic constituents of all the atoms
 (d) Hydrogen ions do not contain any proton

Q22. Inactive Nitrogen and Argon gases are usually used in electric bulbs in order to

- (a) increase the intensity of light emitted
 (b) increase the life of the filament
 (c) make the emitted light coloured
 (d) make the production of bulb economical

Q23. Which one among the following is used in making lead pencils?

- (a) Charcoal
 (b) Graphite
 (c) Coke
 (d) Carbon black

Q24. (a)

- (b)
 (c)
 (d)

Q25. The internal circuits of a computer are capable of representing all information using two elementary symbols: These symbols are called

- (a) Bytes
- (b) Bits
- (c) MIPS
- (d) None of the above

Q26. A stone dropped from top of a building hits the ground after 5 . What Is the height of the building?

- (a) 25 m
- (b) 50 m
- (c) 125 m
- (d) 250 m

Q27. The mid-air swing of a spinning football can be explained on the basis of

- (a) Archimedes principle
- (b) Bemoulli's principle
- (c) Pascal's principle
- (d) None of the above

Q28. When is a nuclear reactor said to have become 'critical'?

- (a) When the fission reaction goes out of control.
- (b) Then the population of neutrons becomes steady, i.e., as many neutrons are produced as lost.
- (c) When the fission reaction stops.
- (d) None of the above

Q29. Which one of the following Schedules of the Constitution of India includes the disqualification of a Legislator on grounds of defection?

- (a) 8th Schedule
- (b) 7th Schedule
- (c) Schedule
- (d) 10th Schedule

Q30. Consider the following statements on Parliametary Committees

1. Members of the Rajya Sabha are not associated with the Committees on Public Accounts and Public Undertakings.
2. Members of the Committee on Estimates are drawn from both the Lok Sabha and the Rajya Sabha. Which of the statements given above is/are correct?

- (a) Only 1
- (b) Only 2
- (c) Both 1 and 2

(d) Neither 1 nor 2

Q31. According to Article 164(1) of the Constitution of India, in three States there shall be a Minister in charge of tribal welfare who may in addition be in charge of the welfare of the Scheduled Castes and Backward Classes. Which one of the following States is not covered by the Article?

- (a) Jharkhand
- (b) Punjab
- (c) Madhya Pradesh
- (d) Odisha

Q32. Identify the correct sequence of passing a Budget in the Parliament

- (a) Vote on Account, Finance Bill, Appropriation Bill Discussion on Budget
- (b) Finance Bill, Appropriation Bill, Discussion on Budget, Vote on Accounts
- (c) Discussion on Budget, Vote on Account, Finance Bill, Appropriation Bill
- (d) Discussion on Budget, Appropriation Bill, Finance Bill, Vote on Account

Q33. Which of the following statements regarding the Fundamental Duties contained in the Constitution of India are correct?

1. Fundamental Duties can be enforced through writ jurisdiction.
2. Fundamental Duties have formed a part of the Constitution since its adoption.
3. Fundamental Duties became a part of the Constitution in accordance with the recommendations of the Swaran Singh Committee.
4. Fundamental Duties are applicable only to the citizens of India. Select the correct answer using the codes given below

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

Q34. In India the right to 'freedom of speech and expression' is restricted on the grounds of

1. the sovereignty and integrity of India.
2. contempt of court.
3. friendly relation with foreign states.
4. protection of minorities. Select the correct answer using the codes given below

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

Q35. Statement I ' The Fundamental Rights protect the rights and liberties of the people against encroachment by the legislative and executive wings of the government. Statement II The Fundamental Rights guarantee the rights of the citizens.

- (a)
- (b)
- (c)
- (d)

Q36. The purpose of Directive Principles of State Policy is to

- (a) lay down positive instructions which would guide State Policy at all levels
- (b) implement Gandhiji's idea for a decentralised state
- (c) check the use of arbitrary powers by the government
- (d) promote welfare of the backward sections of the society

Q37. In the Rajya Sabha, the states have been given seats

- (a) in accordance with their population
- (b) equally
- (c) on the basis of population and economic position
- (d) on the basis of present economic status

Q38. Which one among the following is not included in the Fundamental Rights embodied in the Constitution of India?

- (a) Right to Equality
- (b) Right to Freedom
- (c) Right against Exploitation
- (d) Right to Information

Q39. Electoral disputes arising out of Presidential and VicePresidential Elections are settled by

- (a) Election Commission of India
- (b) Joint Committee of Parliament
- (c) Supreme Court of India
- (d) Speaker of Lok Sabha

Q40. The citizenship means

1. full civil and political rights of the citizens.
2. the right of suffrage for election to the House of the People (of the Union) and the Legislative Assembly of every state.
3. the right to become a Member of the Parliament and Member of Legislative Assemblies. Select the correct answer using the codes given below

- (a) 1 and 2
- (b) 1 and 3
- (c) 2 and 3
- (d) All of these

Q41. Consider the following statements about local government in India:

1. Article 40 of Indian Constitution provides for the State to organize village panchayats and endow them with such powers and authority as may be necessary to make them function as units of self-government.

2. The 73rd and 74th Constitution Amendments inserted Part IX and IX A in the Constitution.

3. The provisions in Parts IX and IX A of Indian Constitution are more or less parallel and analogous.

4. The 73rd Constitution Amendment is applicable to all states irrespective of size of population. Which of the statements given above are correct?

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

Q42. Which one of the following statements is not correct?

- (a) The President cannot pardon a person sentenced by a Court Martial.
- (b) The supreme command of the defence forces of the Union vests in the President, but its exercise has to be regulated by law.
- (c) A person awarded rigorous imprisonment cannot be compelled to do hard work as this would amount to violation of Article 23 of the Constitution of India.
- (d) The Armed Forces Tribunal Act, 2007 excludes the powers of the High Courts under Article 226 of the Constitution of India in relation to service matters of persons in the armed forces.

Q43. Under one of the following judgment the Supreme Court directed the Government to constitute a permanent body in favor of the backward classes

- (a) Minerva Mills v. Union of India
- (b) Golaknath v. State of Punjab
- (c) M.C. Mehta v. Union of India
- (d) Indira Sawhney v. Union of India

Q44. Under which article are the Council of Ministers collectively responsible to Parliament?

(a) Art 75 (3) (b) Art 74 (3) (c) Art 73 (2) (d) Art 72 (2)

Q45. Which of the following is not a bird?

- (a) Bat
- (b) Emu
- (c) Kiwi
- (d) Ostrich

Q46. Which colour of heat radiation represents the highest temperature?

- (a) Blood red
- (b) Dark cherry
- (c) Salmon
- (d) White

Q47. Between which one of the following sets of blood groups, is the blood transfusion possible?

- (a) A and O
- (b) B and A
- (c) A and AB
- (d) AB and O

Q48. The branches of this tree root themselves like new trees over a large area. The roots then give rise to more trunks and branches. Because of this characteristic and its longevity, this tree is considered immortal and is an integral part of the myths and legends of India. Which tree is this?

- (a) Banyan
- (b) Neem
- (c) Tamarind(Imli)
- (d) Peepal

Q49. Which one of the following plants is popularly grown along the road for absorbing vehicular pollutants?

- (a) Nerium
- (b) Neem
- (c) Bougainvillea
- (d) Calotropis

Q50. Mosquito can be a vector for the following disease except

- (a) yellow fever
- (b) dengue fever
- (c) filariasis
- (d) kala-azar

Q51. Which of the following diseases are transmitted from one person to another?

1. AIDS
2. Cirrhosis
3. Hepatitis B

4. Syphilis

Select the correct answer using the code given below

- (a) 2,3 and 4
- (b) 1,3 and 4
- (c) 1 and 2
- (d) All of these

Q52. The anti-malarial drug quinine is made from a plant. The plant is

- (a) neem
- (b) eucalyptus
- (c) cinnamon
- (d) cinchona

Q53. Human blood is a viscous fluid. This viscosity is due to

- (a) proteins in blood
- (b) platelets in plasma
- (c) sodium in serum
- (d) RBC and WBC in blood

Q54. Which of the following statements is/are correct regarding fats?

1. Fats are needed for the formation of cell membrane.
 2. Fats help the body to absorb calcium from food.
 3. Fats are required to repair damaged tissue.
 4. Body cannot release energy in fats as quickly as the energy in carbohydrates.
- Select the correct answer using the

codes given below

- (a) 1 and 4
- (b) Only 1
- (c) 2 and 4
- (d) 3 and 4

Q55. In human digestive system, the process of digestion starts in

- (a) Oesophagus
- (b) Buccal cavity
- (c) Duodenum
- (d) Stomach

Q56. Match the following lists.

List I (Scientist) - List II (Work)

- A. F G Banting - 1. Vaccination for small pox
- B. J Lister - 2. Germ theory
- C. Louis Pasteur - 3. Use of carbolic acid as an antiseptic
- D. E Jenner - 4. Discovery of insulin

Codes A B C D

- (a) 4321
- (b) 4213
- (c) 3421

(d) 1432

Q57. Brent index is associated with

- (a) crude oil prices
- (b) copper future prices
- (c) gold future prices
- (d) shipping rate index

Q58. Which of the following are responsible for the decrease of per capita holding of cultivated land in India?

1. Low per capita income.
2. Rapid rate of increase of population.
3. Practice of dividing land equally among the heirs.
4. Use of traditional techniques of ploughing.

Select the correct answer using the codes given below

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

Q59. Which of the following factors is/are responsible for recent rapid slow down of Indian economy despite recovering from the global financial crisis.

1. The boost to demand given by monetary and fiscal stimulus following the crisis was large.
 2. Starting in 2011-12, corporate and infrastructure investment started slowing both as a result of investment bottlenecks as well as the tighter monetary policy. Select the correct answer using the codes given below
- (a) Only 1
 - (b) Only 2
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2

Q60. In India, contribution of food inflation to overall inflation is around 1 rd 3 to 2 th [2014-I]

5. Within food inflation, contribution of food articles is higher because price rise in food articles is
- (a) higher and their weight is also higher compared to food products
 - (b) higher but their weight is lower compared to food products
 - (c) lower but their weight is higher compared to food products
 - (d) lower and their weight is also lower compared to food products d

Q61. National product at factor cost is equal to

- (a) Domestic product + Net factor income from abroad
- (b) National product at market prices - indirect taxes + subsidies
- (c) Gross domestic-product - depreciation
- (d) National product at market prices + Indirect taxes + subsidies

Q62. Consider the following statements:

- 1.The Central Statistical Organisation (CSO) is responsible for calculating the consumer price indices for urban non-manual employees.
 - 2.National Sample Survey Organisation (NSSO) collects data for estimating national income.
 - 3.NSSO collects rural retail price on monthly basis for calculating Consumer Price Index.
 - 4.CSO conducts periodic economic census to collect data on unorganised enterprises.
- Which of the following statements is are correct?

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

Q63. Which of the following is not an objective of the Rajiv Gandhi Grameen Vidyutikaran Yojana for Rural Electricity Infrastructure and Household Electrification?

- (a) Creation of Rural Electricity Distribution Backbone
- (b) Creation of Village Electricity Infrastructure
- (c) Provision of free electricity to village clubs and libraries
- (d) Electrification of all un-electrified BPL households

Q64. The cause for a steep decline in population in India in 1921 census was:

- (a) first world war
- (b) influenza
- (c) famine
- (d) partition of Bengal

Q65. At present there are 12 major ports in the country. The latest to be notified as a major port is:

- (a) Kandla
- (b) Kochi
- (c) Paradeep
- (d) Ennore

Q66. Foreign Direct Investment (FDI) in India has shown a distinct preference for

- (a) software industry
- (b) the core and infrastructure sectors
- (c) agribusiness
- (d) Fast Moving Consumer Goods (FMCG)

Q67. Which of the following is not a function of the EXIM Bank of India?

- (a) Financing of export and import of goods and services
- (b) inspection of exported goods for quality assurance.
- (c) Financing of joint ventures in foreign countries.
- (d) loans to Indian parties for contributing to share capital of joint ventures abroad.

Q68. Which of the following geographical indicators has not been recognised for patent protection?

- (a) Mysore silk
- (b) Naga Mircha
- (c) Darjeeling Basmati
- (d) Kani shawl

Q69. Which one of the following is the correct chronological order of the freedom movements of India?

- (a) Quit India Movement, Non-Cooperation Movement, Civil Disobedience Movement
- (b) Non-cooperation Movement, Civil Disobedience Movement, Quit India Movement
- (c) Quit India Movement, Civil Disobedience Movement, Non, Cooperation Movement
- (d) Non-Cooperation Movement–Quit India Movement– Civil Disobedience Movement

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Q70. Match the following

List I (Associated in Formation of) **List II** (Person)

- A. GK Gokhaie- 1. Servants of Indian Society
- B. MM Malaviya - 2. Banaras Hindu University
- C. C Rajagopalachari - 3. Free India Society
- D. VD Savarkar - 4. Swatantra Party

Codes: A B C D

- (a) 1 2 4 3
- (b) 3 4 2 1

- (c) 1 4 2 3
- (d) 3 2 4 1

Q71. Match the following

List I(Person) - **List II** (Satyagraha)

- A. Raj Kumar Shukla- 1. Kheda Satyagraha
- B. Ambalal Sarabhai - 2. Ahmedabad Mill Strike
- C. Indulal Yagnik - 3. Bardoli Satyagraha
- D. Vallabhbhai Patel - 4. Champaran Satyagraha

Codes: ABCD ABCD

- (a) 3 1 2 4
- (b) 4 1 2 3
- (c) 4 2 1 3
- (d) 3 2 1 4

Q72. After the death of Raja Rammohan Roy, the Brahma Samaj split into two sections; the Brahma Samaj of India and the Adi Brahma Samaj. Who were the leaders of the two sections, respectively?

- (a) Keshab Chandra Sen and Debendranath Tagore
- (b) Radhakanta Deb and Debendranath Tagore
- (c) Keshab Chandra Sen and Radhakanta Deb
- (d) Debendranath Tagore and Radhakanta Deb

Q73. The Russian revolutionaries derived their ideology from the doctrines of

- (a) Lenin and Stalin
- (b) Marx and Lenin
- (c) Marx and Engels
- (d) Lenin and Engels

Q74. To which among the following the residuary powers were conferred by the federation established by the act of 1935?

- (a) Federal legislature
- (b) Provincial legislatures
- (c) Governor-General
- (d) Provincial Governors

Q75. Which of the following statements about Fourth AngloMysore War are correct?

1. The Madras Council suggested a policy of rigorous and intense attack on Mysore.
2. Lord Wellesley tried to revive the triple alliance.
3. Tipu sent emissaries to Arabia, Versailles, Mauritius and Kabul enlisting support against the English.

4. The war was of a very short duration though decisive.

Select the correct answer using the codes given below

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

Q76. The Jainas believe the Jainism is the outcome of the teachings of 24 tirthankaras.

In the light of this statement, which one among the following is correct of Vardhamana Mahavira?

- (a) He was the first tirthankara and the founder of Jainism
- (b) He was the 23rd tirthankara, the first 22 tirthankaras being considered legendary
- (c) He was the last and 24th tirthankara, who was not considered as the founder of the new faith but as a reformer of the existing religious sect
- (d) He was not one of the 24 tirthankaras

Q77. Identify the correct sequence of the following events of Indian history (starting with the earliest)

1. The Doctrine of Lapse
2. The Subsidiary Alliance
3. The Treaty of Lahore
4. T Pitt's India Act

Select the correct answer using the codes given below

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

Q78. What was the Kutagarashala literally, a hut with a pointed roof?

- (a) A place where animals were kept
- (b) A place where intellectual debates among Buddhist mendicants took place
- (c) A place where weapons were stored
- (d) A place to sleep

Q79. Who among the following was not associated with the foundation of the All India Trade Union Congress?

- (a) NM Joshi
- (b) Lajpat Rai
- (c) VV Giri
- (d) Joseph Baptista

Q80. Which one among the following thinkers argued that Maratha rule in general and

Shivaji in particular represented early nationalist consciousness in India?

- (a) Pandita Ramabai
- (b) MG Ranade
- (c) Bipin Chandra Pal
- (d) Gopal Krishna Gokhale

Q81. Consider the following statements about Satyagraha

1. It was first experimented by Gandhiji in South Africa.

2. It was first experimented in India at Champaran Which of the statements given above is/are correct?

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

Q82. Consider the following statements about the First Session of the Indian National Congress

1. It was held in Bombay in 1885.

2. Surendranath Banerji could not attend the session due to the simultaneous session of the Indian National Conference. Which of the statements given above is/are correct?

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

Q83. Under the forceful thrust of British rule, a rapid transformation of the Indian economy took place. In this context, which of the following statements is/ are correct?

1. Indian economy was transformed into a colonial economy in the 19th century whose structure was determined by Britain's fast developing industrial economy.

2. The influx of cheap Indian products into England gave a great blow to English textile industries.

3. The 19th century saw the collapse of the traditional Indian village economy and fresh economic alignment along commercial lines.

Select the correct answer using the code given below:

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

Q84. Which of the following statements about the musical culture in 18th and 19th century South India is/are correct?

1. Musical developments were spearheaded by the Arcot court.
2. Tanjavur replaced Madras as the cultural capital of classical music in the second half of the nineteenth century.
3. Three great composers, Tyagaraja, Diksitar and Syama Sastri experimented with the kriti form to set the foundations for modern Carnatic music.

Select the correct answer using the code given below:

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

Q85. In which one of the following places is the Forest Survey of India (FSI), a national organisation engaged in forest cover mapping, forest inventory and training in the field of remote sensing and GIS, located?

- (a) Dehradun
- (b) Itanagar
- (c) Ahmedabad
- (d) Aizawl

Q86. In which one of the following is higher percentage of carbon found?

- (a) Lignite coal
- (b) Peat coal
- (c) Bituminous coal
- (d) Anthracite coal

Q87. Match the following

List I (Place) **List II** (Famous for)

- A. Balaghat - Oil field
- B. Katni - Iron ore
- C. Singrauli - Manganese
- D. Kalol - Bauxite Coal

Codes A B C D

- (a) 1 2 4 3
- (b) 3 4 5 1
- (c) 3 5 4 1
- (d) 1 2 5 3

Q88. What is the correct sequence of the location of the following sea ports of India from South to North?

- (a) Cochin, Thiruvananthapuram, Calicut, Mangalore
- (b) Calicut, Thiruvananthapuram, Cochin, Mangalore
- (c) Thiruvananthapuram, Cochin, Calicut, Mangalore
- (d) Thiruvananthapuram, Calicut, Mangalore, Cochin

Q89. An Earthquake epicentre is the

- (a) point where the seismograph is located
- (b) point within the Earth where the movement along the fault occurs
- (c) approximate centre of a group of related Earthquakes
- (d) point on the surface directly above where the rupture along the fault zone occur

Q90. Which among the following pairs are correct?

1. Cirque and Col Glacial topography
2. Barkhans and Yardans Desert topography
3. Eddies and Potholes Fluvial topography

Select the correct answer using the code given below

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

Q91. Which of the following statements with regard to the expansion of the desert in Rajasthan is/are correct?

1. The predominant wind direction in Rajasthan is North-East to South-West, so the tendency for desertification has been more in that direction.
 2. The Thar desert is dominantly a monsoon driven sand desert where wind erosion is a major problem during the summer months. While the Aravalli range is a major barrier in the spread of the desert, ram part mining creating cuts in the range is leading to the spread of the desert. Select the correct answer using the code given below
- (a) Only 1
 - (b) Only 2
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2

Q92. Currently half of the world's population live in just 6 countries. Identify them from the following

- (a) India, China, Pakistan, Brazil, Bangladesh, Indonesia
- (b) India, China, Bangladesh, South Africa, Pakistan, Indonesia
- (c) China, India, United States, Indonesia, Brazil, Pakistan
- (d) China, India, Bangladesh, United States, Pakistan, Indonesia

Q93. Match the following

List I (Local wind) **List II** (Area of Prevalence)

- A. Chinook - 1 North African desert
 B. Foehn - 2 Rocky mountain slopes of the USA
 C. Sirocco - 3 Northern slopes of Alps
 D. Mistral - 4 Southern slopes of Alps
 Codes A B C D A B C D
 (a) 2 3 1 4
 (b) 2 1 3 4
 (c) 4 1 3 2
 (d) 4 3 1 2

Q94. Name the Continents that form a mirror image of each other

- (a) North America and South America
 (b) Asia and Africa
 (c) Africa and South America
 (d) Europe and Asia
DIRECTION (Q. Nos. 226-227): The following questions consist of two statements, Statement I and Statement II. You are to examine these two statements carefully and select the answers to these questions using the code given below

Q95. Which one among the following is a source of methane emission into the atmosphere?

- (a) Automobile exhaust fume
 (b) Industrial chimney
 (c) Mining
 (d) Wetland

Q96. In absorption of insolation, the most significant part is played by

- (a) carbon dioxide
 (b) ozone
 (c) oxygen
 (d) haze

Q97. Statement I Comets revolve around the Sun only in long elliptical orbits. Statement II A comet develops a tail when it gets close to the Sun

- (a)
 (b)
 (c)
 (d)

Q98. If the time of a place located on 165° E meridian is 11:00 pm on Sunday, what would be the time at the place located on 165° W meridian?

- (a) 11:00 pm on Sunday
 (b) 12:00 noon on Sunday
 (c) 1:00 am on Sunday
 (d) 11:00 pm on Saturday

Q99. Which one among the following statements is not correct?

- (a) Solar noon occurs simultaneously at locations with the same longitude
 (b) One meridian, which is directly under the Sun, experiences solar noon at a given time
 (c) Places having same longitude experience solar noon at different times
 (d) Solar noon occurs at different times at locations with the same latitude

Q100. Which one among the following is responsible for formation of Ozone Holes' in the stratosphere?

- (a) Benzopyrene
 (b) Hydrocarbons
 (c) Chloro Fluoro Carbons
 (d) UV radiation

Q101. Which of the following is/are the stage(s) of demographic transition?

1. High death rate and birthrate, low growth rate.
 2. Rapid decline in birthrate, very low
 3. Rapid decline in birthrate continued decline in death rate.
 4. Low death rate and birthrate, low growth rate.
- Select the correct answer using the codes given below
 (a) Only 1
 (b) 1,2 and 3
 (c) 3 and 4
 (d) 1 and 4

Q102. Consider the diagram given below:

1012 mb A B 1020 mb 998 mb C
 The above diagram represents the pressure conditions of three different places, viz., A, B and C. Which of the following is the correct direction of movement of winds?

- (a) Blow from B towards A and C
 (b) Blow from C towards A and B
 (c) Blow from B to A and from A to C
 (d) Blow from B to C and C to B

Q103. Who among the following was the fourth President of independent India?

- (a) Zakir Hussain
 (b) Zail Singh
 (c) VV Giri
 (d) Neelam Sanjiva Reddy

Q104. Which one of the following Committees/ Commissions was formed to study and suggest pricing pattern for oil and natural gas sectors in India?

- (a) BK Chaturvedi Committee
- (b) Sachar Committee
- (c) BN Srikrishna Commission
- (d) M Veerapa Moily Commission

Q105. Recently a large number of children/infants have fallen sick because of the use of melamine contaminated dairy products in the world. Due to this many countries like South Africa, Japan and Singapore etc. have stopped import of these products. Which of the following countries was the main exporter of such products?

- (a) China
- (b) Bangladesh
- (c) Pakistan
- (d) Iran

Q106. Which one of the following statement with respect to India Air Force is not correct?

- (a) Chetak is a single engine turboshaft helicopter of Russian origin
- (b) SU-30 is a twin engine fighter of Russian origin
- (c) Mirage-2000 is a multi-role fighter of French origin
- (d) MiG-29 is a twin engine fighter aircraft of Russian origin

Q107. Match the following **List I** **List II** (Name of warhead) (Type)

- A. Tejas - 1. Air-to-air missile
 - B. Arjun - 2. Ship-based missile
 - C. Dhanush - 3. Main battle tank
 - D. Astra - 4. Light combat aircraft
- Codes ABC D

- (a) 4 3 2 1
- (b) 1 2 3 4
- (c) 4 2 3 1

(d) 1 3 2 1 C-162 Miscellaneous

Q108. Prominent Indian social activist Deep Joshi was awarded the prestigious Ramon Magsaysay Award for the year 2009 for his

- (a) philanthropic work in the form of the Lok Biradari Prakalp amongst the Madia Gonds in Gadchiroli district of Maharashtra and the neighbouring States of Andhra Pradesh and Madhya Pradesh.
- (b) extensive work in applying wireless technologies to develop remote areas of the Himalayas.
- (c) vision and leadership in bringing professionalism to the NGO movement in India.

(d) dedicated service for cancer patients and intensive research in the prevention and cure of the disease.

Q109. Consider the following paragraph and identify with the code given below the cartoon character (s) described therein He has/they have already completed the 75th year of his/their appearance. It is/they are the only cartoon character (s) to appear as mascot for the sports team of a major American University, University of Oregon. His/their dominant personality trait is his/their short temper and in contrast, his/their positive looks on life.

- (a) Godzilla
- (b) Mickey Mouse
- (c) Donald Duck
- (d) Tom and Jerry

Q110. Which one of the following is nuclear-capable submarinelaunched ballistic missile?

- (a) Sagarika
- (b) Shourya
- (c) Prithvi
- (d) Nag

Q111. Which one among the following statements regarding Rabindranath Tagore's concern for the natural world and environment is not correct?

- (a) Caring for nature on aesthetic grounds, as Tagore did, has now become one of the major environmental concerns in the developed countries of the world
- (b) Tagore's short stories and novels exhibit his concern for nature
- (c) Tagore's vision of education emphasised the need to generate environmental awareness among the students
- (d) Tagore's concern about the environment was activated by pragmatic and utilitarian considerations

Q112. Which of the following statements regarding Global-INK (Indian Network of Knowledge) is not correct?

- (a) It is an ICT (Information and Communication Technology) enabled platform for next generation knowledge management
- (b) The network will serve as a strategic 'virtual think tank'
- (c) The outcome target will be the germination of ideas on development and articulating and

mapping out solutions through innovation and technological interventions

(d) The network is being developed by Reliance communication

Q113. An African country, Sudan has been broken into two recently with formation of a new country named South Sudan. Economy of South Sudan will depend on its

- (a) agricultural product
- (b) minerals
- (c) forest product
- (d) fishery product

Q114. Consider the following statements about Rahul Bhattacharya, who won the prestigious Royal Society of Literature Ondaatje Prize, 2012

1. He was awarded the Ondaatje Prize for this book, *The Sly Company of People Who Care*.

2. He is a cricket **journalist**. Which of the statement(s) given above is/are correct?

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

Q115. European Union's annual Sakharov Prize for freedom of thought for 2012 has been won by

- (a) Guillermo Farinas from Cuba
- (b) Nasrin Sotoudeh and Jafar Panahi from Iran
- (c) Ali Farzat from Syria and Mohammed Bouazizi from Tunisia
- (d) Asmaa Mahfouz and Ahmed-al-Senussi from Egypt and Libya respectively

Q116. Which one among the following statements about Grigori Perelman is not correct?

- (a) He is a genius from Russia
- (b) He rejected the offer of professorship in Princeton and Stanford University
- (c) He works in the area of cosmology
Miscellaneous C-171
- (d) He has refused to accept the 'Fields Medal' and the 'Millennium Prize' recently

Q117. Which Indian musician has recently been awarded with lifetime achievement Grammy Award?

- (a) AR Rahman
- (b) Pt Ravi Shankar
- (c) Ustad Amjad Ali Khan

(d) Lata Mangeshkar

Q118. Carefully read the following passage and identify the person referred to in that Her best known works are *The Golden Notebook*, *Memoirs of a Survivor* and *The Summer Before the Dark*. She was the oldest recipient of the Nobel Prize in Literature.

- (a) Alice Munro
- (b) Doris Lessing
- (c) Herta Muller
- (d) Elfriede Jelinek

Q119. Consider the following statements:

1. Government of India has recently upgraded the National Industrial Classification from NIC-1987 to NIC-2008.

2. NIC is an essential statistical standard for developing and maintaining comparable database according to economic activities.

Which of the statements given above is/are correct?

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

Q120. Which of the following statements is/are correct with regard to the Living Planet Report - 2014 (Species and Spaces, People and Places) released by World Wildlife Fund (WWF)?

1. The Living Planet Index (LPI), which measures more than 10,000 representative populations of mammals, birds, reptiles, amphibians and fish, has declined by 52% since 1970.

2. The most dramatic regional LPI decrease occurred in Select the correct answer using the code given below:

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

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

99. c 100. c 101. d 102. c 103. c 104. a 105. a 106. a 107. a 108. c 109. c 110. a 111. d 112. d 113. a 114. c 115. b 116. c 117. b 118. b 119. c 120. a

- 1.
- 2.
- 3.
- 4.
5. C H added for comparison Reactivity Series of Metals Most reactive Least reactive In the reactivity series of metals, copper is placed below the hydrogen. Hence, it is less reactive than hydrogen. On the other hand barium, lead and magnesium are placed above the hydrogen hence, these are more reactive than hydrogen.
6. Fluorescent coating on the glass is the secondary source of light in a fluorescent lamp.
7. Helium-III is abundant on the lunar surface and holds the potential to put an end to the energy crisis of the Earth.
8. On reaction with ethanol the colour of the solution changes from, orange to green.
9. Sodium thiosulphate ($\text{Na}_2 \text{S}_2\text{O}_3$) solution is used as fixer in photography, it removes undercomposed AgBr as a soluble silver thiosulphate complex. $2\text{S}_2\text{O}_3^{2-}$
Sodium argento thiosulphate $\text{AgBr}_2\text{Na}_2 \text{S}_2\text{O}_3$
 $[\text{Ag}(\text{S}_2\text{O}_3)_2]^- \text{Na}^+ + \text{Br}^-$
10. In making of bullet proof material. Polyethylene polymers is used because it is cheap, flexible, durable and chemically resistant.
11. Food cans are coated with tin instead of zinc because zinc is more reactive than tin. Tin is only reactive to powerful acids such as tri-sodium phosphate, while zinc is reactive towards acids.
12. Amnion is a membrane, filled with fluid, closely covers the embryo. The sex of the embryo may be determined by ultrasound as early as 11 weeks gestation.
13. Electricity is produced through dry cell from chemical energy. The cells from which electric energy is derived by irreversible chemical action are called primary cells. The primary cell is capable of providing an EMF when its constituent's two electrodes and a suitable electrolyte are assembled together. The three main primary cells are the Daniel cell, the Leclanche cell, and the dry cell. None of these cells can be recharged electrically.
- 14.
- 15.
- 16.

17. Curvature of the earth does not allow the television signals to be received beyond a particular distance.

18. Raw mangoes shrivel when pickled in brine due to osmosis i.e. flow of water from higher concentration to lower concentration through a semi-permeable membrane.

19. As the cat falls from a height, it bends the legs to absorb the impact of falling and immediately adjust itself.

20. When ice melts its density increases i.e. its volume decreases. Mass is a invariant quantity.

21. Hydrogen ion has one proton i.e., 1H^+ . Atomic number = no. of proton = 1 for atom like hydrogen.

22. The inert gas within the bulb prevents the filament from evaporating. Thus it increases the life of the filament.

23. Graphite is used in making lead pencils due to its ability to leave marks on paper and other objects. Pencil lead is most commonly a mix of powdered graphite and clay.

24.

25.

26.

27.

28.

29. The 10th Schedule to the Indian Constitution is known as Anti-Defection Law. It was inserted by the 52nd Amendment Act 1985 to the Constitution. It sets the provisions for disqualification of elected members on the grounds of defection to another political party.

30. Committee on Public Accounts and Committee on Public Undertakings consist of 15 members elected by the Lok Sabha and 7 members of the Rajya Sabha. Committee on Estimates consists of 30 members who are elected by the Lok Sabha every year from amongst its members.

31. According to Article 164(1) in the State of Bihar, Madhya Pradesh and Orissa, there shall be a Minister in charge of tribal welfare who may in addition be in charge of the welfare of the Scheduled Castes and backward classes or any other work. Punjab is not covered by the Article.

32. The correct sequence is, Discussion on Budget, Appropriation Bill, Finance Bill, Vote on Account.

33. The fundamental duties are defined as the moral obligations of all citizens to help promote a spirit of patriotism and to uphold the unity of India. The Fundamental Duties of

citizens were added to the Constitution by the 42nd Amendment in 1976, upon the recommendations of the Swaran Singh Committee. The fundamental duties are contained in Art. 51A Part IV (a). The fundamental duties however are nonjustifiable in character. This means that no citizen can be punished by a court for violation of a fundamental duty.

34. Freedom of speech and expression is restricted on the ground of: · security of the State, · friendly relations with foreign States, · public order, · decency and morality, · contempt of court, · defamation, · incitement to an offence, · Sovereignty and integrity of India.

35. Fundamental Rights guarantee civil liberties such that all Indians can lead their lives in peace and harmony as citizens of India. The seven fundamental rights recognised by the Indian constitution Aliens (persons who are not citizens) are also considered in matters like equality before law. They are enforceable by the courts, subject to certain restrictions. It protects the rights and liberties of the people against encroachment by the legislative and executive wings of the government.

36. The purpose of Directive Principle of State Policy is to lay down positive instructions which would guide State Policy at all levels. The Directive Principles of State Policy contained in Part IV, Articles 36-51 of the Indian constitution. The Directive Principles may be said to contain the philosophy of the constitution. The Directive principles are broad directives given to the state in accordance with which the legislative and executive powers of the state are to be exercised.

37. In the Rajya Sabha the states have been given seats on the basis of population and economic position.

38. RTI act was passed by Parliament on 15 June 2005 and came fully into force on 12 October 2005. It has been given the status of a fundamental right under Article 19 (a) of the Constitution. Article 19 (a) under which every citizen has freedom of speech and expression and have the right to know how the government works, what role does it play, what are its functions and so on. Polity C-129

39. All doubts and disputes arising out of or in connection with the election of a President or Vice-President shall be inquired into and

decided by the Supreme Court whose decision shall be final (Article 71 (a)).

40. All statements are true. Citizenship is covered in Part II of the Indian constitution (articles 5-11).

41. 73rd constitution amendment is applicable to all states except Jammu & Kashmir.

42. Option (a) is not correct. Under Article 72 of the Indian Constitution the Indian President is empowered to grant pardon, he can reprieve, respite or remit the punishment in all cases where the punishment or sentence is by a court martial.

43.

44.

45. Bat is mammal not a bird.

46. Colour temperature is a measurement relating the colour of the light radiated by an object to its temperature. No matter whatever the temperature is the hottest would only radiate to blue-white light radiation.

47. O is the universal donor, but can obtain blood only from O so option

48. Banyan (*Ficus benghalensis*) tree has aerial roots. From the tip of these roots new plant can evolve. In Hinduism, the leaf of the Banyan tree is said to be the place for Lord Krishna.

49. Bougainvillea is popularly planted along the road for absorption of vehicular pollutants.

50. Kala-azar is spread by sandfly of genus *phlebotomus argentipese* of yellow fever and dengue fever is spread by *Aedes* mosquito whereas filariasis is spread by *Anopheles* mosquito.

51. Cirrhosis is a only disorder which is caused due to excessive drink of alcohol or hepatitis. All the other three disorders are infectious diseases. They can be transmitted from one person to another.

52. The cinchona plant has antimalarial alkaloids cinchonidine and quinine. Quinine is obtained from the bark of this plant.

53. Blood is a viscous fluid in human being. This viscosity is due to presence of RBC and WBC in blood. A higher percentage of these cells in blood causes the higher viscosity.

54. Fats are essential for the formation of all membranes Fats are present in the form of phospholipid. Phospholipid are the same as triglycerides except that one of the three fatty acid units is replaced by a molecule having phosphorus. Body can not release energy in fats as quickly as the energy in carbohydrates

because fat first will oxidise into carbohydrate to evolve energy.

55. In human digestive system the process of digestion starts in buccal cavity. The buccal cavity is more commonly known as the mouth, and it is the beginning of the digestive system for humans and animals alike. It starts with the lips and ends with the throat, covering the oral cavity, the tongue, and the jaw in between.

56.

57. Brent Crude is a major trading classification of sweet light crude oil that serves as a major benchmark price for purchases of oil worldwide. Brent Crude is extracted from the North Sea and comprises Brent Blend, Forties Blend, Oseberg and Ekofisk crudes. The Brent Crude oil marker is also known as Brent Blend, London Brent and Brent petroleum. The index represents the average price of trading in the 25 day Brent Blend, Forties, Oseberg, Ekofisk (BFOE) market in the relevant delivery month as reported and confirmed by the industry media.

58. Rapid rate of increase of population and practice of dividing land equally among the heirs are responsible for the decrease of per capita holding of cultivated land in India.

59. Factors responsible for this are given below: **1.** The boost to demand given by monetary and fiscal stimulus following the crisis was large. Final consumption grew at an average of over 8% annually between 2009-10 and 2011-12. The result was strong inflation and a powerful monetary response that also slowed consumption demand. **2.** Beginning in 2011-12 corporate and infrastructure investment started slowing both as a result of investment bottlenecks as well as the tighter monetary policy.

60.

61. National product at factor cost is equal to net domestic product at factor cost+ Net factor Income from Abroad.

62.

63.

64.

65.

66.

67.

68.

69. The Non-Cooperation Movement, 1920-22
Civil Disobedience Movement in India, 1930-34)
The Quit India Movement, 1942

70. • G.K Gokhale established The Servants of India Society in Pune, Maharashtra, on June 12, 1905. • Pandit Madan Mohan Malaviya founded Banaras Hindu University (BHU) at Varanasi in 1916. • The Swatantra Party was founded by C. Rajagopalachari, was Indian conservative political party that existed from 1959 to 1974. • Vinayak Damodar Savarkar founded Free India Society(student society) .

71. Gandhi ji launched Champaran Satyagrah on the repeated request of a local leader, Raj kumar Shukla, Ambalal Sarabhai was an industrialist of Ahmedabad. He gave both personal and financial support to the freedom struggle in Ahmedabad. Indulal Kanaiyalal Yagnik was an independence activist and a leader of the All India Kisan Sabha. He participated in the Kheda Satyagraha(In 1918,) led by Gandhiji. Vallabhbhai Jhaverbhai Patel was a barrister and leader of Indian Independence. He started Bardoli Satyagrah in Gujarat against the raised tax of 30%.

72. The conflict between Sen and Debendranath Tagore was broadened in 1865, when Tagore allowed the Brahmos conducting services to wear their sacred threads. Sen objected this decision and withdrew from the Brahmo Samaj along with his followers. Keshab Chandra Sen and his disciples established the Brahmo Samaj of India on 15th November, 1866 and Debendranath Tagore grouped themselves into the Adi (original) Brahmo Samaj.

73. The German philosopher Karl Marx became one of the most influential thinkers of the 20th century. Marx believed that all historical change was caused by a series of class struggles between the bourgeoisie 'haves' and the proletariat 'have-nots'. The work of Karl Marx caught the attention of members of the intelligentsia. The first Russian to translate Marx's works was George Plekhanov. In 1883 he founded the first Marxist organisation in Russia. He was called the father of Russian Marxism. Marks and Engels wrote several books together.

74. Governor General was the sole authority to decide and confer such powers upon central and state legislature.

75. The Fourth Anglo-Mysore War (1798-1799) was a war in South India between the Kingdom of Mysore and the British East India Company under the Earl of Mornington. In the battle, Tipu Sultan was shot and killed.

76. Mahavira was a teacher of the religion of Jainism. He lived in India. His followers believed that he was the 24th in a line of great teachers. These teachers were called tirthankaras.

77.

78. Kutagarasala Vihara is the monastery where Buddha most frequently stayed while visiting Vaishali. It is located 3 kilometres from the relic Stupa.

79. V.V GIRI was the fourth president of India from 24 August 1969 to 24 August 1974. He became president of the All India Trade Union Congress twice but was not the founding member of AITUC.

80. Gopal Krishana Gokhale was a senior leader of the Indian National Congress and founder of the Servants of India Society. According to him Maratha rule in general and Shivaji in particular represented the early national **list** spirit and consciousness in India.

81. The term Satyagraha was coined by Gandhi Ji. He used it in South Africa for Indian rights. And in India it was first experimented in Champaran District of Bihar.

82. The first session of INC was held in Bombay. Womesh Chandra Bonnerjee was the first President of the INC. It was held from 28-31 December 1885, and was attended by 72 delegates.

83.

84. Nawab Mohammed Abdul Ail (Prince of Arcot) is a patron of music, art and literature. The musical trinity consists of Dikshitar, Tyagaraja and Syama Sastri although, unlike the Telugu compositions of the others, his compositions are predominantly in Sanskrit. He also had composed some of his Kritis in Manipravalam.

85. Forest Survey of India (FSI) is an organisation under the Ministry of Environment & Forests. Government of India conducts survey and assessment of forest resources in the country. The organization came into being in June, 1981. The headquarters of FSI are at Dehradun.

86. Anthracite has higher percentage of Carbon. It has a carbon content of over 87% on a dry ash-free basis.

87. About 80% of the manganese production in India comes from Balaghat District of Madhya Pradesh. Katni (Madhya Pradesh) is famous for Bauxite mines. Singrauli Coalfield is spread across the districts of Singrauli (Madhya Pradesh). Most of the coal

is dispatched to pithead power plants as Singrauli Super Thermal Power Station, Rihand Thermal Power Station and Vindhyachal Thermal Power Station etc. Kalol in Gujarat is famous for its oil fields.

88. The correct sequence is

Thiruvananthapuram - Cochin - Calicut - Mangalore

89. The epicenter is the point on the Earth's surface where an earthquake explosion originates.

90. 1. Cirque and coal - Glacial Topography

2. Barkhans and Yardans - Desert topography

3. Eddies and Potholes - Fluvial topography

91. Both statements are true.

92. According to data from the United Nations half of those 7.2 billion people live in only six countries: the United States, Brazil, Pakistan, India, China, and Indonesia. The world population has reached 7.2 billion.

93. 1. Chinook wind - Rocky Mountains **2.**

Foehn - Northern slopes of the Alps **3.**

Sirocco - North African desert **4.** Mistral - Southern slopes of Alps

94. Africa and South America form a mirror image of each other.

95. The most significant natural sources of atmospheric methane are wetlands. Wetlands are characterized by waterlogged soils and distinctive communities of plant and animal species that have evolved and adapted to the constant presence of water. Due to this high level of water saturation as well as warm weather, wetlands are one of the most significant natural sources of atmospheric methane.

96. In absorption of isolation the most significant part is played by Carbon dioxide.

97. A comet is an icy small Solar System body that, when passing close to the Sun, heats up and begins to outgas, displaying a visible atmosphere or coma, and sometimes also a tail.

98. There is a difference of 360 degree longitude between 165 degree east and 165 degree west. The time interval is 24 hours because every 15 degree longitude, there is a time difference of 1 hour.

99. The origin of the river is a tiny reservoir named as Narmada Kund which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh. Amarkantak region is a unique natural heritage area and is the meeting point of the Vindhyas and the Satpuras, with the Maikal Hills being the fulcrum.

100. Chlorofluorocarbons (CFCs) are nontoxic, nonflammable chemicals containing atoms of carbon, chlorine, and fluorine. They are used in the manufacture of aerosol sprays, blowing agents for foams and packing materials as solvents and as refrigerants. CFCs contribute to ozone depletion in the upper atmosphere.

101. The "Demographic Transition" is a model that describes population change over time. Five stages of Demographic Transition: High birth rate and death rates however population growth is small. High birth rate but falling death rate. The total population begins to expand rapidly. Falling birth rate, continuing falling death rate. The population growth slows down. Low birth rate and low death rate. The population growth is small, and fertility continues to fall. Death rate slightly exceeds the birth rate and this causes population decline.

102. Wind flows from areas of high pressure to areas of low pressure. This is due to density differences between the two air masses.

103. V.V. Giri was appointed as Acting President of India following the death of Zakir Hussain. He resigned in a few months to take part in the presidential elections. After this he became president of India and held office in 1969. V V Giri is the only president to have served as both an acting president and the president of India.

104. Chaturvedi recently headed a government panel, which in early August 2008, suggested ways to reduce the government's oil subsidy bill that included upward monthly revisions of fuel prices.

105.

106. HAL, Helicopter Division started manufacturing of helicopters in 1962, by entering an agreement with M/ s SUD-AVIATION (Presently M/s AIRBUS (Former EUROCOPTER), France) for production of Aloutte III helicopters (Chetak). The first Chetak (Aloutte III) in 'Fly Away' condition delivered in 1965.

107. Tejas- Light combat aircraft Arjun- Main battle tank Dhanush- Ship-based missile Astra- Air-to-air missile

108. Joshi is being recognised for "his vision and leadership in bringing professionalism to the NGO movement in India, by effectively combining 'head' and 'heart' in the transformative development of rural communities. Joshi was the co-founder of

Professional Assistance for Development Action (PRADAN) and now works as an independent consultant for the NGO which works for rural poor, promoting self-help groups, developing locally suitable economic activities, mobilising finances and introducing systems to improve livelihoods of rural people.

109. Donald Duck made its first appearance 75 years ago on June 9, 1934 as a minor character in the Disney cartoon called "Little Wise Hen.

110. Sagatika is a nuclear-capable submarine-launched ballistic missile with a range of 700 kilometres.

111.

112. India has launched the Global-India Network of Knowledge (Global-INK) which will tap the knowledge power of its Diaspora. Global-INK will enable Indian experts living abroad to contribute to the development of the Indian social sector and share innovative ideas for the market. The network is a web-based next generation knowledge management, collaboration and business solution platform powered by Support Central. Overseas Indian Facilitation Centre (OIFC) has partnered with Tata Consultancy Services (TCS) to develop the Global-INK.

113. South Sudan is one of the poorest countries in the world. South Sudan is rich in agricultural land and has one of the largest populations of pastoralists in the world. South Sudan exports timber to the international market. Some of the states with the best known teaks and natural trees for timber are Western Equatoria and Central Equatoria.

114.

115.

116. Grigori Yakovlevich Perelman is a Russian mathematician who made landmark contributions to Riemannian geometry and geometric topology before apparently withdrawing from mathematics.

117.

118. Doris May Lessing was a British novelist, poet, playwright, librettist, biographer and short story writer. Her novels include *The Grass is Singing* (1950), *The Golden Notebook* (1962), *The Good Terrorist*, and *Canopus in Argos*. Lessing was awarded the 2007 Nobel Prize in Literature.

119. Union Ministry of Commerce and Industry on 27 June 2014 upgraded the National Industrial Classification 1987 (NIC-

1987) to National Industrial Classification-2008 (NIC-2008). It is an essential statistical standard for developing and maintaining comparable data base according to economic activities.

120. Living Planet Index (LPI), which measures more than 10,000 representative populations of mammals, birds, reptiles, amphibians and fish, has declined by 52 per cent since 1970. The most dramatic regional LPI decrease occurred in South America followed closely by the Asia-Pacific region.