

CDS General Knowledge Practice Set

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

Q1. Anoxic conditions emanate from:

1. Density stratification
2. Stagnation
3. Inputs of inorganic and organic
4. strong thermo clines

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

Q2. Region of the Earth that is extremely biologically diverse and also under severe threat due to habitat loss, climate change or extensive species loss is :

- (a) Threatened
- (b) Endangered
- (c) Critically endangered
- (d) Biodiversity hotspot

Q3. The greatest threat to organisms and biodiversity is

- (a) process of habitat loss
- (b) Species extinction all over the world
- (c) Reduced carrying capacity of the habitat
- (d) Biodiversity hotspots.

Q4. The biodiversity hotspot that comprises deserts, savannas, arid woodland and forests, and contains a large number of endemic plant species is

- (a) Cerrado
- (b) Caucasus
- (c) Tropical Andes
- (d) Australia

Q5. The flavour of apple is mainly due to which one of the following?

- (a) Formalin
- (b) Benzene
- (c) Ethanol
- (d) Benzaldehyde

Q6. 'Misch metal' is widely used in the manufacture of which of the following?

- (a) Material of car brake
- (b) Smoke detectors
- (c) Cigarette lighters
- (d) Emergency lights

Q7. Commercial vulcanisation of rubber involves

- (a) sulphur
- (b) carbon
- (c) phosphorus
- (d) selenium

Q8. Match List I with List II and select the correct answer using the codes given below the Lists.

List I (Alloy) - List II (Constituent)

- A. Solder - **1** Iron and carbon
- B. Brass - **2** Copper and zinc
- C. Bronze - **3** Copper and tin
- D. Steel - **4** Lead and tin

Codes A B C D

- (a) 1234
- (b) 4231
- (c) 1324
- (d) 4321

Q9. Which one among the following is a sin smelling agent added to LPG cylinder to help the detection of gas leakage?

- (a) Ethanol
- (b) Thioethanol
- (c) Methane
- (d) Chloroform

Q10. Which one among the following will you put into pure water in order to pass electric current through it?

- (a) Kerosene
- (b) Lemon juice
- (c) Lemon juice
- (d) Sugar

Q11. The gas which turns lime water milky is

- (a) carbon dioxide
- (b) carbon monoxide
- (c) ammonia
- (d) nitrogen dioxide

Q12. A liquid initially contracts when cooled down to 4°C but on further cooling down to 0°C , it expands.

The liquid is

- (a) alcohol
- (b) water
- (c) molten iron
- (d) mercury

Q13. Which of the following is a good lubricant?

- (a) Diamond powder
- (b) Graphite powder

- (c) Molten carbon
(d) Alloy of carbon and iron

Q14. Which one among the following processes is not part of a chemical weathering?

- (a) Hydration
(b) Exfoliation
(c) Oxidation
(d) Solution

Q15. Fog is an example of a colloidal system of

- (a) liquid dispersed in gas
(b) gas dispersed in gas
(c) solid dispersed in gas
(d) solid dispersed in liquid

Q16. Glycogen is often known as

- (a) animal starch
(b) a hormone
(c) aliginic acid
(d) cellulose

Q17. Assertion (A): Steam is more harmful for human body than the boiling water in case of burn.

Reason (R): Boiling water contains more heat than steam.

- (a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true, but R is not the correct explanation of A
(c) A is true, but R is false
(d) A is false, but R is true

Q18. Earthquake (shock) waves are

- (a) infrasonic waves
(b) ultrasonic waves
(c) seismic
(d) infrared waves

Q19. A passenger in a moving train tosses a five rupee coin. If the coin falls behind him, then the train must be moving with a uniform

- (a) acceleration
(b) deceleration
(c) speed
(d) velocity

Q20. If the door of a running refrigerator in a closed room is kept open, what will be the net effect on the room?

- (a) It will cool the room
(b) It will heat the room
(c) It will make no difference on the average
(d) It will make the temperature go up and down

Q21. When deep sea fishes are brought to the surface of the sea, their bodies burst. This is because the blood in their bodies flows at very

- (a) high speed
(b) high pressure
(c) low speed
(d) low pressure

Q22. Motion of an oscillating liquid column in a U-tube is

- (a) periodic but not simple harmonic
(b) non-periodic
(c) simple harmonic and time period is independent of the density of the liquid
(d) simple harmonic and time period depends on the density of the liquid

Q23. distance time The distance-time graph for an object is shown above. Which one of the following statements holds true for this object?

- (a) The object is moving with uniform speed
(b) The object is at rest
(c) The object is having non-linear motion
(d) The object is moving with non-uniform speed

Q24. Radioactivity is a property of

- (a) Atomic nuclei
(b) Excited electrons
(c) X-rays
(d) Ultraviolet light

Q25. A dynamo, which is said to generate electricity, actually acts as a

- (a) Source of ions
(b) Source of electric charge
(c) Source of electrons
(d) Converter of energy

Q26. Consider the following statements:

1. FM transmission is noise free.
2. Electrical disturbances in the atmosphere do not affect the frequency of the modulated wave.

Which of the above statements is/are true?

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

Q27. Endoscopy, a technique used to explore the stomach or other inner parts of the body, is based on the phenomenon of

- (a) Total internal reflection
- (b) Interference
- (c) Diffraction
- (d) Polarisation

Q28. Consider the following statements:

1. The position of C.G. of a body remains unchanged even when the body is deformed.
 2. A light car and a bus moving with a same speed can be stopped by applying the same force.
 3. Water is a bad conductor of heat but a good conductor of electricity.
 4. Light travels faster in air than in water.
- Which of the statements given above are correct?

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

Q29. Consider the following statements

1. A Money Bill cannot be introduced in the Council of States.
2. The Council of States cannot reject a Money Bill nor amend it. 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

Q30. What does the 93rd Constitutional Amendment deal with?

- (a) Inclusion of Bodo, Dogri, Maithili and Santhali languages in the Eighth Schedule
- (b) Inclusion of service tax levied by Union and collected and appropriated by the Union and the states in the Seventh Schedule
- (c) Free and compulsory education for all children between the age of 6 and 14 years
- (d) No reservation in Panchayats need to be made in favour of Scheduled Castes in Arunachal Pradesh

Q31. Consider the following statements

1. The Chairman and the Members of the UPSC are appointed by the President.

2. The Chairman and the Members of the UPSC are eligible for further employment under the Government. 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

Q32. Who among the following recommends to the Parliament for the abolition of the Legislative Council in a State?

- (a) The President of India
- (b) The Governor of the concerned State
- (c) The Legislative Council of the concerned State
- (d) The Legislative Assembly of the concerned State

Q33. The function of a Protem Speaker is to

- (a) conduct the proceeding of the House in the absence of the Speaker
- (b) officiate as Speaker when the Speaker is unlikely to be elected
- (c) swear members and hold charge till a regular Speaker is elected
- (d) scrutinize the authenticity of the election certificates of members

Q34. DIRECTIONS : The following questions are based on the following passage. A government in a democratic country has to respond to ongoing priorities in public criticism and political reproach and to the threats to survival it has to face. The removal of long standing deprivations of the disadvantaged people of our country may, in effect, be hampered by the biases in political pressure, in particular when the bulk of the social agitation is dominated by new problems that generate immediate and noisy discontent among the middle class Indians with a voice. If the politically active threats are concentrated only on some specific new issues, no matter how important (such as high prices of consumer goods for the relatively rich, or the fear that India's political sovereignty might be compromised by its nuclear deal with the USA), rather than on the terrible general inheritance of India of acute deprivation, deficient schooling, lack of medical attention for the poor and extraordinary under nourishment (especially of children and also of young women), then the pressure on democratic governance acts relentlessly towards giving priority to only

those particular new issues rather than to the gigantic persistent deprivations that are at the root of so much inequity and injustice in India. The perspective of realisation of justice and that of an adequately broad nyaya are central not only to the theory of justice, but also to the practice of democracy.

82. What are the 'new issues that dominate the middle class led social agenda today?

- (a) Price rise, progressive taxation and the Indo-USA nuclear deal
- (b) Acute deprivation, malnourishment and famines
- (c) Dowry deaths, gender inequalities and price rise
- (d) Illiteracy, poverty and infant mortality

Q35. Which one among the following is not correct? A special category state invariably

- (a) is a border State
- (b) has harsh terrain
- (c) has low literacy rate
- (d) has poor infrastructure

Q36. Which of the following statements with respect to the judiciary in India is/are correct?

1. Unlike in the United States, India has not provided for a double system of courts.
 2. Under the Constitution of India, there is a single integrated system of courts for the Union as well as the states.
 3. The organisation of the subordinate judiciary varies slightly from state to state.
- Select the correct answer using the codes given below
- (a) Only 1
 - (b) 1 and 2
 - (c) 2 and 3
 - (d) All of these

Q37. With regard to the powers of the Rajya Sabha, which one among the following statements is not correct?

- (a) A money bill cannot be introduced in the Rajya Sabha
- (b) The Rajya Sabha has no power either to reject or amend a money bill
- (c) The Rajya Sabha cannot discuss the Annual Financial Statement
- (d) The Rajya Sabha has no power to vote on the Demands for Grants

Q38. The Rights to Information means and includes

1. Inspection of documents.

2. Taking out files from office to any place desired by the applicant.

3. Taking photograph of files.

4. Obtaining information in tapes. Select the correct answer using the codes given below

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

Q39. Consider the following statements

1. The Anti-Defection Law bans an elected member from voting against the explicit mandate of his/her party.

2. The Anti-Defection provisions do not apply if one-third of the members of a party disobey the mandate of the party and constitute themselves as a separate party. 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

Q40. Match the following

List I (Commission/Committee) **List II** (Mandate)

A. Sachar Committee -1. Anti-Sikh Riots, 1984

B. Srikrishna Commission -2. Socio-economic and educational conditions of Muslims in india

C. Ranganath Misra Commission -3. Bombay Communal Riots 1992

D. Nanavati Commission -4. Linguistic and religious minorities in India Codes: A B C D A B C D

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

Q41. The Annual Financial Statement of the Government of India in respect of each financial year shall be presented to the House on such day as the

- (a) Speaker may direct
- (b) President of India may direct
- (c) Parliament may decide
- (d) Finance Minister may decide

Q42. Which of the following about the principles of Panchsheel are correct?

1. These are a set of five principles governing relations between States

2. The assumption of Panchsheel was that newly independent States after decolonization would be able to develop a new and more principled approach to international relations

3. The first formal codification in treaty form was done in an agreement between China and India. Select the correct answer using the code given below:

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

Q43. Women constitute, as per the 2001 census, the following % of population in India :

- (a) 48.26%
- (b) 47.26%
- (c) 49.26%
- (d) 50.26%

Q44. In India, the first Municipal Corporation was set up in which one among the following?

- (a) Calcutta
- (b) Madras
- (c) Bombay
- (d) Delhi

Q45. Consider the following statements in respect of thyroid gland.

1. It is situated in the neck.

2. It is vital to maintain of normal body temperature. 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

Q46. Which of the following gases is released from rice fields in the most prominent quantities?

- (a) Carbon dioxide
- (b) Methane
- (c) Carbon monoxide
- (d) Sulphur dioxide

Q47. In normal adult human, what is the rate of heart beat per minute?

- (a) 72-80
- (b) 70-75
- (c) 80-97
- (d) 82-87

Q48. Wavelengths of which of the following colour of the visible spectrum of light are maximally absorbed by green plants?

- (a) Green and Yellow
- (b) Red and Blue
- (c) Green and Red
- (d) Blue and Yellow

Q49. Which one of the following is considered normal blood pressure in man?

- (a) 120/80 mm water
- (b) 120/80 mm blood
- (c) 120/80 mm mercury
- (d) 120/80 mm air

Q50. If excess fertilizer is applied to a plant without water, the plant will

- (a) be stunted in growth
- (b) develop modifications
- (c) die due to plasmolysis
- (d) remain unaffected

Q51. Which of the following statements correctly describe the properties of hormones?

1. They are steroids, proteins, peptides or amino acids derivatives.

2. They are not produced by body organs and are mostly taken as supplements.

3. They do not influence the working of those organs which have secreted them.

4. They act as co-enzymes and help enzymes to perform their function.

Select the correct answer using the code given below

1,2,3 and 4

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

Q52. Rain water collected after 30 to 40 minutes of raining is not suitable for drinking because it

- (a) contains bacteria and dirt
- (b) contains dissolved toxic chemicals
- (c) is deficient in minerals
- (d) is acidic

Q53. The ultimate cause of water movement in a plant stem against gravity is

- (a) osmosis
- (b) transpiration
- (c) photosynthesis
- (d) diffusion

Q54. A person feeds on rice and vegetable made up of potato only. He is likely to suffer from deficiency of

- (a) carbohydrate and vitamins
- (b) proteins
- (c) carbohydrate and proteins
- (d) proteins and fats

Q55. Which one among the following statements is not correct?

- (a) Pulses are rich in proteins
- (b) Milk is a rich source of Vitamin A
- (c) Cereals are very poor source of carbohydrates
- (d) Vegetables are rich source of minerals

Q56. Which one of the following is not a constituent of biogas?

- (a) Methane
- (b) Carbon dioxide
- (c) Hydrogen
- (d) Nitrogen dioxide

Q57. According to the provisions of the Fiscal Responsibility and Budget Management [FRBM]. Act., 2003 and FRBM Rules, 2004, the Government is under obligation to present three statements before the parliament along with the Annual Budget. Which one of the following is not one of them?

- (a) Macroeconomic Framework Statement
- (b) Fiscal Policy Strategy Statement
- (c) Medium-term Fiscal Policy Statement
- (d) Statement showing Short term Fiscal Policy

Q58. Which of the following statements are correct?

1. The global economy relied on oil for much of the 20th century as a portable and indispensable fuel.
 2. The immense wealth associated with oil generates political struggles to control it.
 3. History of petroleum is also the history of war and struggle.
 4. Nowhere is this more obviously the case of war and struggle than in West Asia and Central America. Select the correct answer using the codes given below
- (a) 1, 2, 3 and 4
 - (b) 2 and 4
 - (c) 1 and 3
 - (d) 1, 2 and 3

Q59. Which of the following occupations are included under secondary sector as per the national income accounts?

1. Manufacturing
 2. Construction
 3. Gas and water supply
 4. Mining and quarrying
- Select the correct answer using the codes given below
- (a) 1, 2, 3 and 4
 - (b) 1, 2 and 4
 - (c) 1, 2 and 3
 - (d) 3 and 4

Q60. If the average total cost is declining then

- (a) the marginal cost must be less than the average total cost
- (b) total cost must be constant
- (c) the average fixed cost curve must be above the average variable cost curve
- (d) the marginal cost must be greater than the average total cost

Q61. Consider the following statements relating to the Non-Alignment Movement: 1. The Non-Aligned Movement (NAM) was created and founded during the collapse of the colonial system and the independence struggles of the peoples of Africa, Asia, Latin America and other regions of the world and at the height of the Cold War.

2. The First Summit of the bMovement of Non-Aligned Countries was convened by the leaders of India, Indonesia, Egypt, Syria and Yugoslavia at Belgrade on September 1-6, 1961.

3. During the early days of the Movement, its actions were a key factor in the decolonization process, which led later to the attainment of freedom by many countries and to the founding of several new sovereign States.

4. The fundamental principle of the movement is to maintain equal distance from both the super powers by joining the military alliances of both the blocs. Which of the statements given above are correct?

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

Q62. Which of the following statements is/are correct?

1. The Marxist theory repudiates the idea of the atomised and alienated individual.

2. Marxism upholds the idea of the natural rights of men and individuals. 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

Q63. Land Development Banks form a part of the

- (a) commercial banks
- (b) Industrial Development Bank of India
- (c) Food Corporation of India
- (d) cooperative credit structure

Q64. Which of the following Insurance companies has introduced a Rainfall Insurance Scheme called Varsha Bima?

- (a) ICICI Lombard
- (b) General Insurance Corporation
- (c) Agriculture Insurance Company of India
- (d) New India Assurance Company

Q65. Three states which had Human Development Indicators (HDI) higher than China but lower than Mexico and Korea, according to RBI study, are:

- (a) Punjab, Gujarat, Kerala
- (b) Kerala, Maharashtra, Punjab
- (c) Maharashtra, Kerala, Karnataka
- (d) Kerala, Karnataka, A.P.

Q66. The Kew Economic Policy (1991) was launched in the background of the following economic indicators:

I. India's foreign exchange reserves had fallen to US\$ 1 billion.

II. The fall of the Soviet Union had deprived India of almost a quarter of its export market.

III. There was negative growth in real GDP.

IV. Indian rupee had to be devalued by 45 percent.

- (a) all 4
- (b) only I
- (c) I and II only
- (d) I, II and III

Q67. The Indian institution that has filed more patents than all individual patents put together in India is:

- (a) CSIR
- (b) ICAR
- (c) AIIMS
- (d) DRDO

Q68. Consider the following statements with regard to Planning Commission (PC) and Finance Commission (FC). Which of these statements is not true?

- (a) Both FC and PC are institutions for the transfer of resources from centre to the states.
- (b) While PC is a permanent body, FC is constituted every five years.
- (c) Awards given by both are binding on the Central Government.
- (d) FC awards non-plan resources while PC allocates plan resources

Q69. The Sun Temple of Konark was built by Narasimhadeva I. To which dynasty did he belong to?

- (a) Somavamsi dynasty
- (b) Imperial Ganga dynasty
- (c) Suryavansi Gajapati dynasty
- (d) Bhoi dynasty

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Q70. Separate electorates for Muslims in India were introduced by which one of the following Acts?

- (a) Government of India Act of 1909
- (b) Indian Councils Act of 1892
- (c) Rowlatt Act of 1919
- (d) Government of India Act of 1935

Q71. Who among the following was not a member of the Cabinet Mission?

- (a) Sir Stafford Cripps
- (b) AV Alexander
- (c) Radcliffe
- (d) Pathick Lawrence

Q72. Fa-Hien's mission to India was to

- (a) learn about the administrative system of the Gupta kings
- (b) understand the social position of women during the Gupta period
- (c) visit the Buddhist institutions and to collect copies of Buddhist manuscripts
- (d) get full knowledge about the condition of peasants during the period of Gupta kings

Q73. Who drafted the Constitution of Muslim League, 'The Green Book'?

- (a) Rahamat Ali

- (b) Muhammad Iqbal
 (c) Muhammad Ali Jinnah
 (d) Maulana Muhammad Ali Jauhar

Q74. Prior to 1813, which among the following measures, was not adopted by the British to exploit the Indians economically?
 (a) Monopolising the trade of raw goods wherever possible and selling them at high rates
 (b) Forcing Indian craftsman to produce quality products in fixed quantity and at fixed price
 (c) Free Trade Policy
 (d) Elimination of Indian traders from competition by every means

Q75. Match the following

List I (Event) - **List II** (Place/Person)

- A. Tarmashirin Khan's - 1. Vijayanagara invasion of India
 B. Visit of Farnao- 2. Zainul Abidin Martinz Evangelho, the Portuguese factor
 C. Visit of the traveller - 3. Champaner Nuniz
 D. Network of canals - 4. Muhammad Tughlaq in Kashmir valley
 Codes: A BCD ABC D

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

Q76. Which one among the following was a reason for which the French could not succeed in India in the 18th century?
 (a) They sided with the weak Indian sides such as Chanda Sahib and Muzaffar Jang
 (b) Dupleix was called back at a crucial time
 (c) They conspired against the Indian powers
 (d) Their trading company was heavily dependent on the French Government

Q77. Consider the following statements about the Ahmedabad Mill Strike of 1918

1. It was related to a dispute between the workers and the European mill owners regarding hours of work.
 2. Gandhiji advised the workers to go on strike. 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

Q78. Who among the following Governor Generals formed the Triple Alliance against Tipu Sultan?

- (a) Warren Hastings
 (b) Lord Cornwallis
 (c) Lord Wellesley
 (d) Lord William Bentinck

Q79. Which one among the following books was authored by a lady of the Mughal Royal House?

- (a) Akbar Nama
 (b) Babur Nama
 (c) Humayun Nama
 (d) Badshah Nama

Q80. Statement I: Sculptures of the Gandhara School stylistically are typically linked to the Greco-Roman and the Parthian art of Iran. Statement II: The earliest stone Buddha images in the Swat valley pre-dated the Kushana period, which suggests that certain iconographic conventions were already well established in the pre-Kushana period.

- (a) Both the statements are true and Statement II is the correct explanation of Statement I
 (b) Both the statements are true, but Statement II is not the correct explanation of Statement I
 (c) Statement I is true, but Statement II is false
 (d) Statement I is false, but Statement II is true

Q81. Which of the following did not constitute part of the army reforms of Sher Shah?

- (a) Keeping a large army at the centre
 (b) Introduction of a swiftly moving artillery
 (c) Cash payment to soldiers
 (d) Introduction of the practice of branding horses

Q82. Consider the following statements about Sher Shah's administration

1. He divided his empire into Sarkars, which were further subdivided into Parganas.
 2. The Sarkars and the Parganas were directly administered by Sher Shah without the help of any other officials. 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. Consider the following statements concerning the initial phase of the Industrial Revolution in England.

1. England was fortunate in that coal and iron ore were plentifully available to be used in industry.

2. Until the 18th century, there was a scarcity of usable iron. 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

Q84. Statement I: The annexation of Awadh by Lord Dalhousie in 1856 adversely affected the financial conditions of the sepoys. Statement II: The sepoys had to pay higher taxes on the land where their family members stayed in Awadh.

- (a) Both the statements are individually true and Statement II is the correct explanation of Statement I
- (b) Both the statements are individually true but Statement II is not the correct explanation of Statement I
- (c) Statement I is true but Statement II is false
- (d) Statement I is false but Statement II is true

Q85. Match the following

List I List II

- A. Aurangabad - 1. Auroville
- B. Guwahati - 2. Sarnath
- C. Puducherry - 3. Ellora temples
- D. Varanasi - 4. Nilanchal hills

Codes A B C D

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

Q86. Which one of the following States of India is the largest producer of lignite coal?

- (a) Maharashtra
- (b) Gujarat
- (c) Madhya Pradesh
- (d) Tamil Nadu

Q87. Assertion Physiological density is preferable to arithmetic density as an index of population density. Reason (R) Physiological

density is based on arable land while arithmetic density is based on total area.

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

Q88. Which water body separates Australia from New Zealand?

- (a) Cook Straits
- (b) Megallan
- (c) Tasman Sea
- (d) Great Barrier Reef

Q89. Match the following

List I List II (River) (Source)

- A. Ganga - 1. Amarkantak
- B. Son - 2. Gaumukh
- C. Godavari - 3. Mahabaleshwar
- D. Krishna - 4. Trimbakeshwar

Codes A B C D

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

Q90. Which is the correct arrangement of the following rivers from North to South?

- (a) Godavari, Penner, Cauveri, Periyar
- (b) Penner, Godavari, Periyar, Cauveri
- (c) Godavari, Cauveri, Penner, Periyar
- (d) Cauveri, Godavari, Periyar, Penner

Q91. Consider the following **statements**

1. The Earth does not move along its orbit at a constant rate.

2. The Earth moves fastest at perihelion and slowest at aphelion. The above statements are true of which one of the following laws?

- (a) Kepler's second law
- (b) Newton's second law of motion
- (c) Ohm's law
- (d) Newton's law of gravitation

Q92. Statement I Wind is deflected to the right in Northern Hemisphere and to the left in Southern hemisphere from its normal course. Statement II Earth rotates from West-to-East.

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

Q93. Which among the following monoculture crops provide(s) immediate cash to the farmers?

1. Tea in Asom
2. Rubber in Africa
3. Sugarcane in Malaysia
4. Coffee in Brazil

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

Q94. A nautical mile is equal to

- (a) 5060 feet
(b) 5280 feet
(c) 6060 feet
(d) 6080 feet

Q95. South Pacific island nation Samoa, positioned to the East of the International Date Line, on May 2011 decided to forego a day and shift to the time zone on its West. The reason for this shifting is to

- (a) facilitate smooth internal administration throughout the country
(b) attain political stability in the country
(c) facilitate trade with Australia and New Zealand
(d) promote tourism industry in the country

Q96. What are G arboreum, G herbaceum, G hirsutum and G barbadense whose all the four species are cultivated in india? (G = Gossypium)

- (a) Species of wool
(b) Species of cotton
(c) Species of silk
(d) Species of jute

Q97. Tank irrigation is practised mainly in Peninsular India because

1. undulating relief and hard rocks make it difficult to dig canals and wells
 2. rivers are rainfed
 3. of compact nature of population and agricultural fields
- Select the correct answer using the codes given below

Codes

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

Q98. During the recent venus transit (June 2012) bracket, the planet appeared as a tiny

black circle moving on the Sun. The black colour on the Sun is because the planet

- (a) is black in colour
(b) obstructed all light from the Sun
(c) was invisible due to bright rays from the Sun
(d) behaved as a black hole during its transit

Q99. Which one among the following is a cold ocean current?

- (a) Canary current
(b) Brazil current
(c) Gulf stream
(d) Kuroshio current

Q100. Which of the following statements about Nathu la Pass are correct?

1. It links Sikkim with Tibet.
2. It was the main artery of the ancient Silk Route.
3. It was reopened in the year 2006. Select the correct answer using the codes given below

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

Q101. Which of the following are UNESCO recognised world heritage sites?

1. Caves of Ajanta.
2. Temple and Caves at Ellora.
3. Mandapas of Mahabalipuram.
4. Caves of Kanheri. Select the correct answer using the codes given below

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

Q102. What would be the influence on the weather conditions when in mid-winter a feeble high pressure develops over the North-Western part of India?

1. High and dry winds would blow outward from this high pressure area.
2. The Northern plain would become cold.
3. Scorching winds (locally called loo) would blow during the day time.
4. There would be torrential rains brought by thunderstorms. Select the correct answer using the codes given below

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

Q103. Match the following

List I List II

- A. M F Hussain - 1. Tabla
 B. Zakir Hussain - 2. Classical dance
 C. Ulhas Kashalkar - 3. Painting
 D. Yamini Krishnamurty - 4. Vocal classical

Codes A B C D

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

Q104. Who among the following has been awarded the 'Officer of the Legion of Honour,' the highest civilian distinction of the Government of France?

- (a) NR Narayana Murthy
 (b) Ratan Tata
 (c) KM Birla
 (d) Mukesh Ambani

Q105. Match the following

List I (City) List II (Stadium)

- A. Bengaluru - 1. Sawai Mansingh
 B. Chennai - 2. Sardar Patel c. Motera - 3. Chinnaswami
 D. Jaipur - 4. Chidambaram

Codes A B C D

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

Q106. The year 2009 is being celebrated by the UN as

- (a) International Year of Reconciliation
 (b) International Year of Astronomy
 (c) Both
 (d) and

Q107. Bluetooth technology allows

- (a) wireless communications between equipments
 (b) signal transmission on mobile phones only
 (c) landline to mobile phone communication
 (d) satellite television communication

Q108. Consider the following paragraph and identify the person referred to therein using the code given below She joined the diplomatic corps in 1949 and became the first woman diplomat of India. She was the Ambassador to Hungary, Ghana and the Netherlands.

- (a) CB Muthamma

- (b) Nirupama Rao
 (c) Chokila Iyar
 (d) Meira Kumar

Q109. Which one of the following is the central theme of the Chipko Movement, started by Sunderlal Bahuguna in 1973?

- (a) Conservation of river water
 (b) Protection of birds
 (c) Protection of cheetahs
 (d) Conservation of forests

Q110. Which one of the following statements regarding FIFA World Cup, 2010 is not correct?

- (a) South Africa became the first host nation to fail to qualify for the tournament's second round
 (b) The tournament was the culmination of a qualification process that began in August 2007
 (c) This is the first time that the tournament was hosted by an African nation
 (d) Zakumi the official mascot for the FIFA World Cup, 2010 is an African bush elephant

Q111. Mahatma Gandhi Rural Employment Guarantee Act makes a paradigm shift from the previous wage employment programmes by

- (a) focusing on all-round development of the rural people.
 (b) providing wage employment in rural areas a legal binding for the State Governments
 (c) providing a statutory guarantee of wage employment.
 (d) augmenting food security through wage employment in rural areas

Q112. The term used to describe the process by which an outsider, immigrant or subordinate group becomes indistinguishably integrated into the dominant host society, is known as

- (a) Accommodation
 (b) Cultural imperialism
 (c) Acculturation
 (d) Adaptation

Q113. Consider the following information and identify from the code given below the legendary Hollywood actress who is also remembered as a champion for a number of charitable causes, notably the fight against AIDS. She appeared in more than 50 films and won three Oscars including one for her

performance in 'Butterfield 8' and another for 'Who's Afraid of Virginia Woolf?' The Londonborn actress was a star at age 12, a bride and a divorcee at 18, a screen goddess at 19 and a widow at 26.

- (a) Ingrid Bergman
- (b) Elizabeth Taylor
- (c) Katharine Hepburn
- (d) Nicole Kidman

Q114. Which one among the following companies received Golden Peacock Environment Management Award for the year 2011?

- (a) BCCL
- (b) NTPC
- (c) SAIL
- (d) TISCO

Q115. The Treaty on Integrated Development of Mahakali River was signed between India and

- (a) Pakistan
- (b) Nepal
- (c) Bhutan
- (d) Bangladesh

Q116. Who among the following was declared as the immediate future President of China in the 18th National Congress of the Communist Party of China held in November, 2012?

- (a) Zhang Dejiang
- (b) Xi Jinping
- (c) Liu Yunshan
- (d) Li Keqiang

Q117. Which one among the following regarding G-20 is not correct?

- (a) A group of developed countries
- (b) An integral part of the United Nations
- (c) Outside the World Bank and IMF
- (d) An offshoot of G-7

Q118. With which one among the following countries, did India sign a Memorandum of Understanding on Cooperation in the field of Election Management and Administration (on April 12, 2013 in New Delhi)?

- (a) Japan
- (b) Mauritius
- (c) Thailand
- (d) Sri Lanka

Q119. Consider the following statements about UN Frontline Workers Global Leadership Award

1. Martha Dodray, an auxiliary nurse and midwife from Bihar, was conferred the Award in the year 2013.

2. Martha Dodray was awarded for her dedicated service in the bird flu affected areas of India. 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

Q120. Consider the following statements about 'Project Mausam': 1. The Project was launched in June 2014 by the Ministry of External Affairs.

2. At the macro level, the project aims to re-connect and re-establish communications between countries of the Indian Ocean world, which would lead to an enhanced understanding of cultural values and concerns; while at the micro level, the focus is on understanding national cultures in their regional maritime milieu. 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

1. c 2. d 3. a 4. b 5. c 6. c 7. a 8. b 9. b 10. c
 11. a 12. b 13. b 14. b 15. a 16. a 17. c 18. c
 19. a 20. b 21. a 22. d 23. b 24. a 25. d 26. a
 27. a 28. d 29. c 30. c 31. a 32. d 33. c 34. a
 35. d 36. d 37. c 38. c 39. a 40. a 41. b 42. c
 43. a 44. b 45. c 46. b 47. a 48. b 49. c 50. c
 51. a 52. d 53. b 54. b 55. b 56. d 57. d 58. A
 59. C 60. A 61. a 62. D 63. d 64. c 65. b 66. c
 67. a 68. c 69. b 70. a 71. c 72. c 73. c 74. c
 75. c 76. d 77. b 78. b 79. c 80. b 81. b 82. a
 83. a 84. a 85. a 86. d 87. d 88. c 89. d 90. a
 91. a 92. a 93. c 94. d 95. c 96. b 97. a 98. b
 99. a 100. b 101. b 102. a 103. a 104. a 105.
 b 106. c 107. a 108. a 109. d 110. d 111. c
 112. c 113. b 114. c 115. b 116. b 117. a
 118. b 119. a 120. b

- 1.
- 2.
- 3.
- 4.

5. The flavour of apples is mainly due to the ethanol (C₂H₅OH).

6. 'Misch metal' alloyed with iron is used in the cigarettes lighters. Misch metal is an alloy of cerium (50%), lanthanum (25%),

neodymium (18%), praseodymium (5%) and other rare metals.

7. Vulcanisation is a process in which natural rubber is treated with 3-5% sulphur. It introduces sulphur bridges between polymer chains thereby increasing its tensile strength, elasticity and resistance to abrasion.

8. Alloy Constituent Solder Lead and tin
Brass Copper and zinc Bronze Copper and tin
Steel Iron and carbon

9. Ethyl mercaptan or thioethanol (C₂H₅ SH) is added during filling of LPG cylinders. It is a strong smelling compound and help in the detection of gas leakage.

10. In lemon juice citric acid is present. Hence, acids are conductors of electricity. The aqueous solution of lime juice conducts electricity due to the presence of ions in it.

11. The carbon dioxide reacts with the lime water to form calcium carbonate that is insoluble. $\text{CaO} + \text{CO}_2 \rightarrow \text{CaCO}_3 \downarrow$ This substance precipitate out of solution making the lime water cloudy.

12.

13. Graphite and graphite powder are a naturally occurring form of carbon which serves as an industrial lubricant.

14. Exfoliation involves the removal of the oldest dead skin cells on the skin's outermost surface and has been used for many years to help maintain healthy skin. It can be achieved through mechanical or chemical means.

15.

16.

17. Steam burns are more serious than burns from boiling water even though both are at 100°C because when steam condenses it give up very high heat energy i.e. additional 22.6×10^5 joule of heat (latent heat of vapourisation) compared to boiling water.

18. An Earthquake is the result of a sudden release of energy in the Earth's crust that creates seismic waves.

19. As the passenger tosses the coin, it goes up and is in motion with the initial speed of the train but if the train is accelerated, so its speed increases. But the coin is in the air with initial speed of train, so the coin slightly moves forward from the coin with the person and coin falls behind him. It happens when train is moving with accelerated motion.

20. It will heat the room because the heat removed from the inside is released into the room, counter acting any cooling, plus the

energy that is used to operate the compressor eventually winds up being heat, therefore increasing the room temperature.

21. When deep sea fishes are brought to the surface of the sea, their bodies burst, this is because the blood in their bodies flows at very high speed.

22. Motion of an oscillating liquid column in a U-tube is called simple harmonic motion with time period depending on the density of the liquid.

23.

24.

25.

26.

27.

28.

29.

30. Parliament passed the 93rd Constitution Amendment Bill relating to the educational rights of children. By virtue of 86th Constitutional amendment act (12th December 2002) Article 21A was amended by the Constitution in order to introduce Right to Education as a fundamental right. The Act provides for free and compulsory education to all children in the age group of six to fourteen years. It came into force on 1st April 2010.

31. According to Article 316 (a) of the Indian Constitution, the chairman and the members of the UPSC are appointed by the president. Under Article 316 (c) a person who holds office as a member of a Public Service Commission shall, on the expiration of his term of office, be ineligible for re-appointment to that office.

32. The legislative assembly of the concerned state recommends to the parliament for the abolition of the legislative council in a state (Article 169).

33. Protem Speaker performs the duties of the office of the Speaker from the commencement of the sitting of the new Lok Sabha till the election of the Speaker. Protem speaker is mainly an operating and temporary speaker.

34. New issues that dominate the middle class led social agenda today are price rise, progressive taxation, and the Indo -USA nuclear deal.

35. As per Gadgil formula a special category state gets preferential treatment in federal assistance and tax breaks. The special-category states get significant excise duty concessions and thus help these states attract large number of industrial units to

establish manufacturing facilities within their territory. 90% of the central assistance is treated as grant and remaining 10% is considered as loan unlike other states which get 30% grant and 70% loan.

36. The U.S. court system is divided into two administratively separate systems, the federal and the state, each of which is independent of the executive and legislative branches of government. One of the unique features of the Indian Constitution is that, notwithstanding the adoption of a federal system and existence of Central Acts and State Acts in their respective spheres, it has generally provided for a single integrated system of Courts to administer both Union and State laws. At the apex of the entire judicial system, exists the Supreme Court of India below which are the High Courts in each State or group of States. Below the High Courts, lies a hierarchy of Subordinate Courts.

37. A Money Bill cannot be introduced in Rajya Sabha. Rajya Sabha has no power either to reject or amend a Money Bill. It can only make recommendations on the Money Bill. Whether a particular Bill is a Money Bill or not is to be decided by the Speaker of Lok Sabha. Rajya Sabha may discuss the Annual Financial Statement. It has no power to vote on the Demands for Grants.

38. The right to information includes · Any document, manuscript and file · Any microfilm, microfiche and facsimile copy of a document; · Any reproduction of image or images embodied in such microfilm (whether enlarged or not). · Any other material produced by a computer or any other device It does not include taking photograph of files.

39. The grounds for disqualification under the Anti-Defection Law are as follows: If he votes or abstains from voting in such House contrary to any direction issued by his political party or anyone authorised to do so, without obtaining prior permission. As a pre-condition for his disqualification, his abstention from voting should not be condoned by his party or the authorised person within 15 days of such incident. As per the 1985 Act, a 'defection' by one-third of the elected members of a political party was considered a 'merger'. Finally, the 91st Constitutional Amendment Act, 2003, changed this. So now at least two-thirds of the members of a party have to be in favour

of a "merger" for it to have validity in the eyes of the law.

40. The Rajinder Sachar Committee was appointed in 2005 by the then Indian Prime Minister Manmohan Singh to prepare a report on the latest social, economic and educational condition of the Muslim community of India. Srikrishna Commission was constituted by the Government of Maharashtra for investigating the causes of the Bombay Riots. Ranganath Misra Commission was constituted by the Government of India on 29 October 2004 to look into various issues related to Linguistic and Religious minorities in India. Nanavati commission was established by the Indian Government in 2000 to investigate the 1984 anti-Sikh riots.

41. According to article 112, the President shall in respect of every financial year cause to be laid before both the Houses of Parliament a statement of the estimated receipts and expenditure of the Government of India for that year, in this Part referred to as the annual financial statement.

42.

43.

44.

45. Thyroid gland is one of the largest endocrine glands which is present in the neck. It is responsible to control body's metabolism, temperature, appetite and muscle strength, et

c.

46. Methane (CH₄) is produced in rice fields in the most prominent quantities. Because when organic matter decomposes without O₂ in the water logged rice paddies, bacteria in the water produce methane.

47. In the normal human adult, heart beats at the rate of about 72-80 per minute in the resting state.

48. Green plants absorb red and blue colour maximally.

49. Systolic pressure in an adult man is 120 mm Hg whereas diastolic pressure is 80 mm Hg normally. High or low blood pressure can create serious conditions in humans.

50. The excess fertilizer creates exosmosis in the plant tissue causing plasmolysis. Because fertilizer produces hypotonic solution. It may cause cellular damage to plant leading to plant death.

51. The hormones are secreted by endocrine glands of body. They can behave as coenzymes, e.g., thiamine pyrophosphate can

help in the transfer of aldehyde group. Enzymes can be protein or steroid in composition.

52. After raining for 30-40 minutes, the pollutants present in atmosphere come down with raining water that raise its pH upto 5.6 making it acidic in nature.

53. Transpiration is a process like evaporation part of the water cycle and it is the loss of water vapour from different parts of plants, particularly in leaves but also in stems, flowers and roots.

54. The person will suffer from deficiency of protein because potato has very little amount of protein. Although vitamins, fat and carbohydrate content in potato are relatively high.

55. Whole milk contains some vitamin A, however levels in semi-skimmed and skimmed milks are much lower.

56. Nitrogen dioxide (NO₂) is not a component of biogas.

57.

58. All statements are correct.

59. Primary sector-Agriculture, fishing, mining and quarrying Secondary sector-Manufacturing and construction, Gas and water supply Tertiary sector- trade, transport etc, finance & real estate, community and personnel services

60. When marginal cost is less than average cost, average cost must be falling. When marginal cost exceeds average cost must be rising. The marginal cost and average cost curves are related to each other.

61.

62. dMarx was initially in the Young Hegelian camp and like Feuerbach, rejected the spiritual basis. Marx believed that alienation is a systematic result of capitalism.

Essentially, there is an "exploitation of men by men" where the division of labour creates an economic hierarchy.

63.

64.

65.

66.

67.

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69.

70. Government of India Act 1909 introduced separate and discriminatory electorates for Muslims. This was for the first time that, electorate for returning to the representatives to the councils was decided on the basis of class & community. For the central council,

one more category Muslims was added. This was for the first time that the seats in the legislative bodies were reserved on the basis of religion for Muslims. This is called Communal representation.

71. Cabinet Mission was composed of three Cabinet Ministers of England • Sir Pethick Lawrence, Secretary of State for India. • Sir Stafford Cripps, President of the Board of Trade, • A. V. Alexander, the First Lord of the Admiralty • Sir Cyril Radcliffe was appointed to chair two Boundary Commissions in June 1947 -one for Bengal and one for Punjab.

72. Fa-hien was a Chinese monk who travelled India during the age of Chandra Gupta Vikramaditya. He travelled during C 399-414. Fa-hien wanted to go to India to search for the treatises of the Vinaya Pitaka, the monastic rules of BUDDHISM. Travelling through Central Asia and Northwest India, Fa-hien reached northern India and then visited the holy Buddhist sites located in the Ganges valley: Kapilavastu, the birthplace of Buddha; Bodhgaya, the site of Buddha's enlightenment; Sarnath, where Buddha preached his first sermon, and Kushinagara, the place of Buddha's nirvana.

73. Muhammad Ali Jinnah drafted the constitution of Muslim league 'The green Book'. Edited by Maharajah Hari Singh of Jammu and Kashmir, on 26 October 1947. By executing this document Maharajah Hari Singh agreed to accede to the Dominion of India.

74. British did not adopt Free trade policy to exploit the Indians economically.

75. Option c is correct answer.

76. Jean-Baptiste Colbert, founded the French East India Company in 1664 with the intention of rivalling the success of the English and the Dutch in India. Their trading company was heavily dependent on the French government.

77. In February March 1918, there was a situation of conflict between the Gujarat Mill owners and workers on the question of Plague Bonus of 1917. The Mill Owners wanted to withdraw the bonus while the workers demanded a 50% wage hike. The Mill Owners were willing to give only 20% wage hike. In March 1918, under the leadership of Gandhi, there was a strike in the cotton mills. In this strike Gandhi used the weapon of Hunger strike. The result was that the strike was successful and the workers got a 35% wage increase.

- 78.** Triple Alliance consisted of British, Nizam and Marathas against Tipu sultan in 1791-92.
- 79.** Gulbadan Begum (daughter of Babur) was the author of Humayun Nama.
- 80.** Both the statements are true but statement II is not the correct explanation of statement I. Gandhara School was based on Greco-Roman norms. It is also known as Graeco-Buddhist School of art. The Buddhist sculpture produced by the Kushans in the Swat valley was referred to as Gandharan, and was influenced by Graeco-Roman elements. The ancient kingdoms of Udyana (Swat) and Gandhara (Peshawar) were formed by the Kushans, who were of Chinese origin and took over the area in the first century BC. Under the king Kanishka, who ruled from around 100 AD, Buddhism flourished in Gandhara; at one point there were 1,400 monasteries in the lower Swat Valley alone.
- 81.** Sher Shah did not introduce swiftly moving artillery. Sher Shah effected many military reforms in order to save the country from foreign invasions and internal revolt. With the object of organising the Army, Sher Shah began to pay the soldiers their salary in cash; maintained their respective roles; brandished the horses etc.
- 82.** Sher Shah divided the entire Kingdom in 47 divisions and called them "Sarkars". These Sarkars were divided into Parganas. Every Pargana was under a Shikqdar, who looked into the law and order of his Pargana.
- 83.** The widespread availability of coal and iron was a significant factor in Europe's Industrial Revolution of the late 18th and early 19th centuries.
- 84.** The annexation of Awadh by Lord Dalhousie on the pretext of maladministration left thousands of nobles, officials, retainers and soldiers jobless. Moreover, the annexation of Awadh adversely affected the sepoy's purse. He had to pay higher taxes on the land his family held in Awadh.
- 85.** 1. Aurangabad- Ellora temples 2. Guwahati- Nilanchal hills 3. Puducherry- Auroville 4. Varanasi- Sarnath
- 86.** Lignite coal is mainly produced in two states - Tamil Nadu and Gujarat. Neyveli is the lignite field in Tamil Nadu which is located in South Arcol district. Neyveli is the largest lignite coal mine of India.
- 87.**
- 88.** The Tasman Sea separates Australia from New Zealand.
- 89.** 1. Ganga - Gaumukh 2. Son- Amarkantak 3. Godavari- Trimbakeshwar 4. Krishna- Mahabaleshwar
- 90.** Correct sequence is Godavari- Penner- Cauveri Periyar The Godavari is the second longest river in India after the river Ganga. It originates from Western Ghats of central India near Nasik in Maharashtra. The Penner originates from Nandi Hills in Chikballapur District of Karnataka. This river flows from north as well as east corners across Andhra Pradesh. The Cauvery originates from Western Ghats in Karnataka and flows generally south and east through Karnataka and Tamil Nadu. The Periyar originates from Western Ghats range near the border with Tamil Nadu and flows in Kerala.
- 91.** The point of Kepler's IInd law is that, although the orbit is symmetric, the motion is not. A planet speeds up as it approaches the Sun, gets its greatest velocity when passing closest, then slows down again and the earth moves fastest at perihelion and slowest at aphelion.
- 92.** As air moves from high to low pressure in the northern hemisphere, it is deflected to the right. In the southern hemisphere, air moves from high to low pressure and deflected to the left due to Coriolis force. The earth's rotation (West to East) deflects the direction of the wind to the right in the northern hemisphere and to the left in the southern hemisphere.
- 93.** Cash crops are those which are produced for the purpose of generating cash or money. The products are therefore intended to be marketed for profit. Sugarcane and coffee are cash crops which provide immediate cash to farmers.
- 94.** A nautical mile is based on the circumference of the planet Earth. If you were to cut the Earth in half at the equator, you could pick up one of the halves and look at the equator as a circle. You could divide that circle into 360 degrees. You could then divide a degree into 60 minutes. A minute of arc on the planet Earth is 1 nautical mile. A nautical mile is 1.1508 miles or 6,076 feet.
- 95.** The move is designed to simplify the country's trade relations. Samoa's biggest trading partners are situated on the opposite side of the dateline. Despite their geographical proximity, Australia and New Zealand are nearly one calendar day ahead. Samoa will switch time zones by redrawing

the international dateline. The change will occur at midnight on December 29, 2011.

96. These species of cotton are as follows. i. *Gossypium arboreum*, commonly called tree cotton, is a species of cotton native to India, Pakistan and other tropical and subtropical regions of the Old World. ii. *Gossypium herbaceum*, commonly known as Levant cotton, is a species of cotton native to the semi-arid regions of sub-Saharan Africa and Arabia. iii. *Gossypium hirsutum* is the most widely planted species of cotton in the United States. iv. *Gossypium barbadense* is also known as extra long staple (ELS) cotton. Varieties of ELS cotton include American Pima, Egyptian Giza, and Indian Suvin etc.

97. The tank irrigation is practised mainly in peninsular India due to the following reasons:

1. The undulating relief and hard rocks make it difficult to dig canals and wells. **2.** There is little percolation of rain water due to hard rock structure and ground water is not available in large quantity. **3.** Most of the rivers of this region are seasonal and dry up in summer season. Therefore, they cannot supply water to canals throughout the year. **4.** There are several streams which become torrential during rainy season. The only way to make best use of this water is to impound it by constructing bunds and building tanks. Otherwise this water would go waste to the sea. **5.** The scattered nature of population and agricultural fields also favour tank irrigation.

98. The black colour on the sun is because of a planet which obstructs all light from the sun.

99. Canary Current is a cold current which blows in the North Atlantic Ocean.

100. Capillary water is retained on the soil particles by surface forces. It is held so strongly that gravity cannot remove it from the soil particles. The molecules of capillary water are free and mobile and are present in a liquid state. Plant roots are able to absorb it. Capillary water is, therefore, also known as available water.

101.

102.

103. M.F Hussian- Painting Zakir Hussian - Tabla Ulhas Kashalkar- Vocal Classical Yamini Krishnamurthy- Classical dance

104. Narayana Murthy is an Indian IT industrialist and the co-founder of Infosys who was conferred the Officer of the Legion of Honour, the highest civilian distinction of the

government of France. The Legion of Honour is the highest civilian distinction that can be conferred in France regardless of the social status or the nationality of the recipients. It was created in 1802 by Napoleon Bonaparte.

105. Bengluru - Chinnaswami Chennai - Chidambaran Motera - Sardar Patel Jaipur - Sawai Mansingh

106.

107. Bluetooth technology allows wireless communications between equipments.

108. Chohivia Belliappa Muthamma was the first woman to clear the Indian Civil Services examinations. She was also the first woman to join the Indian Foreign Service. She was the first Indian woman diplomat as well. She became the first Indian woman Ambassador also. Muthamma was posted as India's Ambassador to Hungary, Ghana and Netherlands.

109. Chipko Movement was a non-violent movement aimed at protection and conservation of trees and forests from being destroyed. The villagers used to hug the trees and protect them from woodcutters from cutting them. It was started in 1970s.

110. The mascot of the 2010 FIFA World Cup is a leopard, and goes by the name Zakumi. The leopard was chosen as the mascot for the 2010 World Cup since the same is commonly found all over the country of South Africa.

111. The Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) aims at enhancing the livelihood security of people in rural areas by guaranteeing hundred days of wage employment in a financial year to a rural household who volunteer to do unskilled manual work. MGNREGA was passed in the legislation on 25th August 2005. The proposal provides a lawful assurance for 100 days of service in each fiscal year to mature members of every rural family.

112. Acculturation is a process in which members of one cultural group adopt the beliefs and behaviours of another group. Although acculturation is usually in the direction of a minority group adopting habits and language patterns of the dominant group, it is the processes of change in artifacts, customs and beliefs that result from the contact of two or more cultures.

113. Dame Elizabeth Rosemond "Liz" Taylor was a BritishAmerican actress. She won the Academy Award for Best Actress for *Butterfield 8* (1960), played the title role in

Cleopatra (1963). For Who's Afraid of Virginia Woolf? (1966) Taylor won a second Academy Award. From the mid-1980s, Taylor championed HIV and AIDS programs; she co-founded the American Foundation for AIDS Research in 1985, and The Elizabeth Taylor AIDS Foundation in 1991.

114. Maharatna Steel Authority of India Limited (SAIL) received the prestigious Golden Peacock Environment Management Award for the year 2011. The award was presented to SAIL in recognition of its initiatives and achievements in the field of environment management. SAIL in the last four years succeeded in reducing particulate emissions by 52%, specific water consumption by 11% and specific energy consumption by 5%, and increased solid waste utilization by 18%.

115. The Mahakali Treaty, signed in February 1996 between India and Nepal, pertains to sharing water of a river by the same name. The Mahakali Treaty basically aims at an integrated development of water resources in the Mahakali River and has been finalized on the basis of equal partnership.

116. Xi Jinping is the General Secretary of the Communist Party of China, the President of the People's Republic of China, and the Chairman of the Central Military Commission. He assumed office on 15 November 2012.

117. The G20 is a bloc of developing nations. It was established on 20 August 2003.

118. Mauritius and India have signed a MoU to cooperate in the field of Election Management and Administration on 12 April 2013.

119. Martha Doday worked in the field of polio eradication.

120. Project 'Mausam' is a Ministry of Culture project to be implemented by Indira Gandhi National Centre for the Arts (IGNCA), New Delhi as the nodal coordinating agency with support of Archaeological Survey of India and National Museum as associate bodies. The endeavour of Project 'Mausam' is to position itself at two levels: • At the macro level, it aims to re-connect and reestablish communications between countries of the Indian Ocean world, which would lead to an enhanced understanding of cultural values and concerns; • At the micro level, the focus is on understanding national cultures in their regional maritime milieu.