

## CDS General Knowledge Practice Set

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

**Q1.** Following the addition of artificial or non-artificial substances such as nitrates and phosphates through fertilizers or sewage to a fresh water body, there is:

1. Great increase of phytoplankton
  2. Enhanced growth of aquatic vegetation i.e. phytoplankton and algal bloom
  3. Natural eutrophication
  4. Human-caused eutrophication
- (a) 1,2,3  
(b) 1,2,4  
(c) 2,3,4  
(d) 1,2, 3, 4

**Q2.** Unique antimicrobial compounds that may lead to the use of more effective antibiotic treatments without the development of antibiotic resistance are extracted from:

- (a) amphibians  
(b) alligators  
(c) wormwood plant  
(d) snake venom

**Q3.** The major threat to the Asiatic black bear is:

1. poaching
  2. loss of habitat
  3. increase confrontation with men
  4. commercial trade in bear parts
- (a) 1 only  
(b) 2, 3  
(c) 2 3 4  
(d) 1 2 3 4

**Q4.** Which of the following swathes of healthy forests be totally out of bounds for all mining activities and coal excavation to preserve its/their biodiversity biomass and prevent any further loss of endangered species?

1. National Parks
  2. Wildlife Sanctuaries
  3. Tiger Reserves
  4. Wildlife corridors
- The correct response is :
- (a) 1,2  
(b) 2,3,4  
(c) 1,2,3,4  
(d) 3 only

**Q5.** Which one of the following substances is made from natural raw materials?

- (a) Rayon  
(b) Nylon  
(c) Polyester  
(d) Polystyrene

**Q6. Statement I:** Addition of water to an aqueous solution of HCl decreases the pH.

**Statement II:** Addition of water suppresses the ionisation of HCl.

- (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

**Q7.** The coil in a heater is made of

- (a) nichrome  
(b) tungsten  
(c) copper  
(d) iron

**Q8.** Which one of the following is not a periodic property i.e., does not show any trend on moving from one side to the other in the periodic table?

- (a) Atomic size  
(b) Valency  
(c) Radioactivity  
(d) Electronegativity

**Q9.** Sacrificial anode protects iron or ships, underground pipelines etc from rusting, a process known as cathodic protection. Which one of the following metals cannot be used as a sacrificial anode?

- (a) Tin  
(b) Zinc  
(c) Magnesium  
(d) Aluminium

**Q10.** The pH of fresh ground water slightly decreases upon exposure to air because

- (a) carbon dioxide from air is dissolved in the water  
(b) oxygen from air is dissolved in the water  
(c) the dissolved carbon dioxide of the ground water escapes into air

(d) the dissolved oxygen of the ground water escapes into air

**Q11.** Which allotropy of carbon is in rigid three- dimensional structure?

- (a) Graphite
- (b) Fullerene
- (c) Diamond
- (d) Carbon black

**Q12.** Nitric oxide pollution can lead to all of the following, except

- (a) leaf spotting in plants
- (b) bronchitis related respiratory problems in human
- (c) production of corrosive gases through photochemical reaction
- (d) silicosis in human

**Q13.** A metallic plate sticks firmly on the mouth of a water vessel made from another metal. By way of heating, one can detach the plate from the vessel. This is because heat expands

- (a) the vessel only
- (b) both the vessel and the plate equally
- (c) the vessel more than the plate
- (d) the vessel and contracts the plate

**Q14.**  $F_2C = CF_2$  is a monomer of

- (a) teflon
- (b) glyptal
- (c) nylon-6
- (d) buna-S

**Q15.** Consider the following statements:

- 1.HPLC stands for high performance liquid chromatography.
- 2.HPLC is used to separate isomeric compounds.
- 3.HPLC operations involve a solid and a liquid phase.

The correct statement(s) is/are

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

**Q16.** A. Zeroeth law of thermodynamics states that thermodynamic equilibrium is an equivalence relation.

B. First law of thermodynamics deals with the conservation of energy.

Select the correct option:

- (a) A is true
- (b) B is true

- (c) A B both are true
- (d) A B both are false

**Q17.** Which one of the following common devices works on the basis of the principle of mutual induction?

- (a) Tubelight
- (b) Transformer
- (c) Photodiode
- (d) LED

**Q18.** A diffraction pattern is obtained using a beam of red light. Which one among the following will be the outcome, if the red light is replaced by blue light?

- (a) Bands disappear
- (b) Diffraction pattern becomes broader and further apart
- (c) Diffraction pattern becomes narrower and crowded together
- (d) No change

**Q19.** Viewfinders, used in automobiles to locate the position of the vehicles behind, are made of

- (a) plane mirror
- (b) concave mirror
- (c) convex mirror
- (d) parabolic mirror

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**Q20.** The best colours for a sun umbrella will be

- (a) black on top and red on inside
- (b) black on top and white on inside
- (c) red on top and black on inside
- (d) white on top and black on inside

**Q21.** By what mechanism does scent spread all over the room if the lid is opened?

- (a) Pressure in the bottle
- (b) Compression from the bottle
- (c) Diffusion
- (d) Osmosis

**Q22.** Tungsten is used for the construction of filament in electric bulb because of its

- (a) high specific resistance
- (b) low specific resistance
- (c) high light emitting power
- (d) high melting point

**Q23.** A wire-bound standard resistor used manganin or constantan. It is because  
 (a) these alloys are cheap and easily available  
 (b) they have high resistivity  
 (c) they have low resistivity  
 (d) they have resistivity which almost remains unchanged with temperature

**Q24.** A rocket and a jet engine differ because.  
 1. Their working principles are entirely different  
 2. A rocket uses only liquid fuels whereas a jet can use solid fuels as well  
 3. While a rocket carries its own oxygen supply a jet draws its air out of the atmosphere  
 4. A rocket can propel vehicles into outer space whereas a jet cannot  
 Which of the above statements are correct?  
 (a) 2,3 and 4  
 (b) 3 and 4  
 (c) 1 and 2  
 (d) 1,3 and 4

**Q25.** Consider the following statements:  
 Doppler effect is applied to find out.  
 1. Whether a star is approaching earth or receding away from it.  
 2. The speed of rotation of the sun  
 3. The density of a star Of these statements  
 (a) Only 1 is correct  
 (b) Only 1 and 2 are correct  
 (c) All three are correct  
 (d) None is correct

**Q26.** Which one of the following is not a vector?  
 (a) Energy  
 (b) Force  
 (c) Momentum  
 (d) Velocity

**Q27.** Consider the following statements:  
 1. If an iron ball and a wooden ball of the same weight are dropped simultaneously from an aircraft, the iron ball will strike the ground first.  
 2. Upward viscous force depends on the size of the falling object.  
 Which of the above statements is/are true?  
 (a) Both 1 and 2  
 (b) Neither 1 nor 2  
 (c) 1 only  
 (d) 2 only

**Q28.** Electric Appliances have star ratings (up to 5 stars) on them. More the number of stars:  
 (1) Longer the life span of the appliance  
 (2) More stringent the quality checks  
 (3) Higher the energy efficiency of the appliance  
 Which of the above is/ are correct?  
 (a) 1 only  
 (b) 3 only  
 (c) 2 and 3 only  
 (d) 1,2 and 3

**Q29.** Who among the following can be the Chairperson of the National Human Rights Commission?  
 (a) A Member of either House of Parliament  
 (b) A Chief Justice of the Supreme Court of India  
 (c) A social worker actively involved in the promotion of human rights  
 (d)

**Q30.** Which of the following statements is/are correct? Article 26 of the Constitution of India states that subject to public order, morality and health, every religious denomination or any section thereof shall have the right.  
 1. to establish and maintain institutions for religious and charitable purposes.  
 2. to manage its own affairs in matters of religion.  
 3. to own and acquire movable and immovable property. Select the correct answer using the codes given below  
 (a) Only 1  
 (b) 1 and 3  
 (c) 1 and 3  
 (d) All of the above

**Q31.** Which one of the following is the correct chronological order of the tenures of the following Presidents of Indian National Congress? Codes: A B C D  
 (a) 1 2 4 3  
 (b) 2 3 4 1  
 (c) 3 4 2 1  
 (d) 3 4 1 2

**Q32.** Which one of the following states does not have Vidhan Parishad?  
 (a) Bihar  
 (b) Maharashtra  
 (c) Tamil Nadu  
 (d) Uttar Pradesh

**Q33.** For which one of the following Judgements of the Supreme Court of India, the Kesavananda Bharati vs State of India case is considered a landmark?

- (a) The religion cannot be mobilised for political ends
- (b) Abolishing untouchability from the country
- (c) The basic structures of the Constitution, as defined in the preamble, cannot be changed
- (d) Right to life and liberty cannot be suspended under any circumstance

**Q34.** Which of the following statements is/are correct?

1. In India, the constitutional remedy under Article 32 is available only in case of Fundamental Rights, not in the case of rights which follow from some other provision in the Constitution.

2. Both the Supreme Court and High Courts can issue the writs of habeas corpus, mandamus, prohibition, certiorari and quo warranto only for the purpose of enforcement of Fundamental Rights. 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

**Q35.** Statement I By virtue of a law passed by the Parliament of India in the year 2003, the people of Indian origin residing in 16 countries enjoy dual citizenship status. Statement II This law enables them to participate in economic activities, cast their vote or get elected to various legislative bodies in India.

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

**Q36.** Which of the following condition/conditions must be fulfilled by the NRIs to be eligible to vote in elections in India?

- 1. They must be physically present in their place of origin to exercise their franchise.
- 2. NRIs whether they have acquired citizenship of other countries or not are eligible to vote.

3. Eligible NRIs have to register by filling up form 6-A with electoral registration office. Select the correct answer using the codes given below

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

**Q37.** The Preamble is useful in constitutional interpretation because it

- (a) uses value loaded words
- (b) contains the real objective and philosophy of the constitution makers
- (c) is a source of power and limitation
- (d) gives and exhaustive **list** of basic features of the Constitution

**Q38.** Consider the following statements relating to the procedure of the election of the Speaker and the Deputy Speaker of the Lok Sabha

1. The election of a Speaker shall be held on such date as the Prime Minister may fix and the Secretary General shall send to every member. notice of this date.

2. The election of a Deputy Speaker shall be held on such date as the Speaker may fix and the Secretary General shall send to every member notice of this date.

3. At anytime before noon on the day preceding the date so fixed, any member may give notice in writing of a motion that another member be chosen as the Deputy Speaker of the House. Which of the statement(s) given above is/are correct?

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

**Q39.** Power of the Supreme Court of India to decide the dispute between centre and state falls under

- (a) advisory jurisdiction
- (b) original jurisdiction
- (c) appellate jurisdiction
- (d) constitutional jurisdiction

**Q40.** The Committee on Public Accounts under the Constitution of India is meant for

- 1. the examination of accounts showing the appropriation of sums granted by the House for the expenditure of the Government of India

2. scrutinising the report of the Comptroller and Auditor General

3. suggesting the form in which estimates shall be presented to the Parliament Select the correct answer using the codes given below

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

**Q41.** Certain Bills can not be introduced or proceeded with unless the recommendation of the President is received. However, no recommendation is required in some other cases. In which one of the following cases such recommendation is not required?

- (a) For introduction of Bills and for moving amendments relating to financial matters
- (b) For introduction of a Bill relating to formation of new states or of alternation of areas of existing states
- (c) For moving of an amendment making provision for the reduction or abolition of any tax
- (d) For introduction of a Bill or moving of an amendment affecting taxation in which states are interested

**Q42.** The power to decide the date of an election to a State Legislative Assembly rests with the

- (a) President of India
- (b) Chief Minister and his/her Cabinet
- (c) Election Commission of India
- (d) Parliament

**Q43.** Under one of the following Articles, an assured special financial assistance for the welfare of the Scheduled Tribes has been provided:

- (a) 275
- (b) 275(1) (c) 275(2) (d) 275(3)

**Q44.** Which of the statements given below is/are correct?

1. The State Election Commission supervises and conducts the elections of Panchayats and Municipalities in the State
2. It also supervises and conducts the elections of the state assemblies and the Lok Sabha.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only

- (c) Both 1 and 2
- (d) None of these

**Q45.** In the context of ecology and environment, what does the Red Data Book pertain to?

- (a) Details of harmful levels of various pollutants
- (b) A complete list of all endangered plants and animals
- (c) A description of the consequences of nuclear holocaust
- (d) A description of the sociological and psychological consequence of genetically modified plants and animals

**Q46.** Which one of the following is correct? A concrete wall generally?

- (a) only reflects sound
- (b) only absorbs sound
- (c) only transmits sound
- (d) absorbs and transmits sound

**Q47.** Which one of the following diseases is caused by virus?

- (a) Tuberculosis
- (b) Typhoid
- (c) Influenza
- (d) Diphtheria

**Q48.** Consider the following statement about bioremediation.

**1.** It may be defined as any process that uses microorganisms or their enzymes to return the environment altered by contaminants to its original condition.

**2.** Bioremediation may be employed in order to attack specific contaminants, such as chlorinated pesticides that are degraded by bacteria.

Which of the statements given above is/are correct?

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

**Q49.** Which one of the following is commonly used as a flavouring agent during the preparation of noodles?

- (a) Saffron
- (b) Cinnamon
- (c) Olive oil
- (d) Ajinomoto

**Q50.** Which among the following are the most important raw materials for the manufacturing of soap?

- (a) Fats and caustic alkali
- (b) Fats and potash
- (c) Fats and acid
- (d) Vegetable oil and potash

**Q51.** Photochemical smog occurs in

- (a) cool and humid climate
- (b) warm, dry and sunny climate
- (c) cool, dry and sunny climater
- (d) warm and humid climate

**Q52.** Endosulfan, which has been in news these days, is

- (a) a pesticide
- (b) a fertiliser
- (c) a sulphad drug
- (d) an antibiotic

**Q53.** Cancer is more common in older people because

- (a) their immune systems have degenerated
- (b) the supply of certain hormones declines with age
- (c) their bodies are unable to adjust to the changing environment
- (d) they have accumulated more mutations

**Q54.** Among the following animals, choose the one having three pairs of legs.

- (a) Spider
- (b) Scorpion
- (c) Bug
- (d) Mite

**Q55.** Which one among the following statements is not true for Mammals?

- (a) They possess hair on the body.
- (b) Some of them lay eggs.
- (c) Their heart is three chambered
- (d) Some are aquatic.

**Q56.** Which of the following is not a bird?

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

**Q57.** Consider the following statements relating to estimation of National Income.

1. Foreigners working in India Embassies are normal residents of India.

2. Foreigners working in the office of WHO, World Bank, UNO etc, located in India are not normal residents of India.

3. Indians working in foreign embassies in India are not normal residents of India.

Which of the statements given above is/are not correct?

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

**Q58.** Consider the following statements

1. High growth will led to inflation.

2. High growth will lead to deflation. 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

**Q59.** In India, the price of petroleum products has been deregulated mainly to

(a) reduce the burden of subsidies given to the oil companies

(b) discourage the exploration of oil reserves in the country

(c) discourage the demand for private vehicles

(d) curb the use of black money in the economy

**Q60.** Which of the following statements about India's unorganised sector are true?

1. Labour is more in number than that in the organised sector.

2. Job security and work regulation are better in unorganised sector.

3. They are usually not organised into trade unions.

4. Workers are usually employed for a limited number of days. Select the correct answer using the code given below

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

**Q61.** Which of the following statements are correct?

1. When marginal revenue is positive, total revenue increases with increase in output.

2. When marginal revenue is zero, total revenue is maximum.

3. When marginal revenue becomes negative, total revenue falls with increase in output.



Select the correct answer using the code given below:

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

**Q62.** Which of the following in respect of Indian agriculture is not correct?

- (a) India is the third largest producer of chemical fertilizers
- (b) India is the second largest producer of vegetables
- (c) India is the largest producer of coconuts
- (d) India is the largest producer of mango, banana, cheeku and acid lime.

**Q63.** Which entity holds the Number 1 position among Indian international trading companies?

- (a) Tata Exports
- (b) State Trading Company
- (c) Reliance Industries
- (d) MMTC

**Q64.** Under the Buffer Stocking Policy of food grains, the peak storage of food grains to be maintained in the Central Pool by the public agencies will be on:

- (a) 1 April
- (b) 1 October
- (c) 1 July
- (d) 1 December

**Q65.** Economists explain that India needs to increase its rate of savings from the present rate. An obstacle to this is:

- (a) the prevalence of conspicuous consumption
- (b) the absence of a good network of financial institutions in the rural areas
- (c) erosion in the value of savings as a result of inflation
- (d) the availability of white goods

**Q66.** There is, in theory, justification for subsidising merit goods because:

- (a) the benefits go to the individual but the costs are borne by the society
- (b) the enjoyment of these goods by one is not at the expense of similar enjoyment by another
- (c) these goods benefit not only the individual but also the society at large
- (d) the distribution of these goods are determined solely by the merit of the recipient

**Q67.** The British developed Indian railway system in such a way as to facilitate traffic between:

- (a) the capital city and hill resorts
- (b) the metro cities
- (c) sources of raw material and production centers
- (d) the sources of raw materials and ports

**Q68.** Open Market Operations are:

- (a) activities of SEBI registered brokers
- (b) selling of currency by RBI
- (c) issue of gilt-edged securities by the government
- (d) sale of shares by FII's

**Q69.** Who among the following was not a party to the coalition that fought against the English in the Battle of Buxar?

- (a) Mir Kasim
- (b) Mir Jafar
- (c) Shuja-ud-daulah
- (d) Shah Alam II

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**Q70.** Who among the following Urdu poets was invited to the Second and Third Round Table Conference?

- (a) Faiz Ahmad
- (b) Josh Malihabadi
- (c) Muhammad Iqbal
- (d) Firaq Gorakhpuri

**Q71.** The Ashtadhyayi of Panini, the Mahabhasya of Patanjali and the Kashika Vritti of Jayaditya deal with

- (a) Principles of Law
- (b) Principles of Phonetics
- (c) Principles of Grammar
- (d) Principles of Linguistics

**Q72.** Which one of the following statements regarding Harappan civilisation is correct?

- (a) The standard Harappan seals were made of clay
- (b) The inhabitants of Harappa had neither knowledge of copper nor bronze
- (c) The Harappan civilisation was rural based
- (d) The inhabitants of Harappan grew and used cotton

**Q73.** Which among the following are the five principles of peaceful co-existence of Panchsheel as outlined by Jawaharlal Nehru?

- (a) Mutual respect, military collaboration, economic collaboration, de-colonisation and territorial integrity
- (b) Mutual respect for each other territorial integrity and sovereignty, non-aggression, non-interference, equality and mutual benefit and peaceful co-existence
- (c) Peaceful co-existence, economic collaboration cultural interaction, territorial integrity and decolonisation
- (d) Disarmament, peaceful co-existence, economic collaboration, cultural interaction and territorial integrity

**Q74.** Which of the following statements relating to the NonAlignment Movement is/are not correct?

1. Non-alignment came to symbolise the struggle of India and other newly independent nations to retain and strengthen their independence from colonialism and imperialism.
2. Non-alignment advanced the process of democratisation of international relations.
3. Military alliances formed a major part of non-alignment.

Select the correct answer using the codes given below

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

**Q75.** Which of the following statements regarding the American Revolution is/are correct?

1. The American Revolution was a conflict between British settlers and native Americans.
2. The Americans refused to pay taxes imposed by the British Parliament in which the Americans had no representation.

Select the correct answer using the codes given below

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

**Q76.** The earliest Buddhist literature which deal with the stories of the various birth of Buddha are

- (a) Vinaya pitakas

- (b) Sutta pitakas
- (c) Abhidamma pitakas
- (d) Jatakas

**Q77.** Match the following

**List 1 - List II**

- A. lyothere Thass - 1. Satyashodhak Samaj
- B. Jyotiba Phule - 2. Dravida Kazhagam
- C. John Rathinam - 3. Self Respect Movement
- D. E V Ramaswami - 4. Dravida Mahajana Sabha Naickar

Codes: A B C D A BCD

- (a) 4 2 1 3
- (b) 3 124
- (c) 4 1 2 3
- (d) 3 214

**Q78.** The Dhamma propagated by Ashoka was

- (a) the tenets of Buddhism
- (b) a mixture of the philosophies of Ajivikas and Charvakas
- (c) a system of morals consistent with the tenets of most of the sects of the time
- (d) the religious policy of the state

**Q79.** Several **nationalist** leaders in India wrote commentaries on the Bhagvad Geeta to argue the case for an ethical foundation to Indian nationalism, who among the following is an exception to it?

- (a) Sri Aurobindo
- (b) Mahatma Gandhi
- (c) Bal Gangadhar Tilak
- (d) Ram Manohar Lohia

**Q80.** In the Gupta age, Varahamihira wrote the famous book, 'Brihat Samhita'. It was a treatise on

- (a) astronomy
- (b) statecraft
- (c) ayurvedic system of medicine.
- (d) economics

**Q81.** Who among the following first used the word 'Swarajya' in its political sense and accepted Hindi as the national language of India?

- (a) Rammohan Roy
- (b) Swami Vivekananda
- (c) Mahatma Gandhi
- (d) Bal Gangadhar Tilak

**Q82.** Consider the following statements



1. B G Tilak founded the Home Rule League in April 1916, in Maharashtra.

2. N C Kelkar was not associated with Home Rule Movement. 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.** Which of the following statements about the penetration of English into Bengal is/are correct?

1. Job Charnock arrived in Sutanati in August 1690 and laid the foundation of Calcutta which later became the heart of the British Indian Empire.

2. The French East India Company built a fort near the Fort William in Calcutta.

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

**Q84.** Which of the following statements about the musical culture in 18th and 19th century North India is/are not correct:

1. The period was marked by the growing eminence of Sadarang Neamat Khan who introduced the khayal form.

2. A large number of musicians moved out of regional centres to Delhi where they hoped they would receive more employment and patronage.

3. The period was marked by the formation of specific region based gharanas.

Select the correct answer using the code given below:

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

**Q85.** Madhya Pradesh shares its border with how many States?

- (a) 3
- (b) 4
- (c) 5
- (d) 6

**Q86.** Which one of the following pairs is not correctly matched? Country Currency

- A. Brazil Reals
- B. China Yuan

C. Mexico Pesos

D. Thailand Ringgit

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

**Q87.** Leaching is the maximum in the soil type of

- (a) Laterite
- (b) Red
- (c) Regur
- (d) Desert

**Q88.** The hill range that separates the State of Manipur from the State of Nagaland is known as

- (a) Arakan hills
- (b) Patkai hills
- (c) Barail hills
- (d) Manipur hills

**Q89.** The concept of sustainable development relates to

- (a) consumption levels
- (b) exhaustible resources
- (c) social equity
- (d) intergenerational equity

**Q90.** Which one of the following is a correct sequence in the increasing order of salinity concentration?

- (a) Gulf of California, Baltic Sea, Red Sea, North Sea
- (b) Baltic Sea, North Sea, Gulf of California, Red Sea
- (c) Red Sea, Gulf of California, North Sea, Baltic: Sea
- (d) North Sea, Gulf of California, Baltic Sea, Red Sea

**Q91.** Which one of the following pairs is not correctly matched?

- (a) Kuroshio: Warm ocean current
- (b) Labrador: Warm ocean current
- (c) Benguela: Cold ocean current
- (d) Oyashio: Cold ocean current

**Q92.** The angular speed of a whirlwind in a Tornado towards the centre

- (a) decreases rapidly
- (b) increases
- (c) remains constant
- (d) slowly becomes zero

**Q93.** Consider the following statements about black soil of India

1. Black soil becomes sticky when it is wet.
2. Black soil contains adequate nitrogen as well as phosphorus required for the growth of plants. 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

**Q94.** How many kilometres are represented by 1° of latitude?

- (a) 321 km
- (b) 211 km
- (c) 111 km
- (d) 91 km

**Q95.** Which one among the following statements is not correct?

- (a) Trophic dynamics represents the transfer of energy from one trophic level to another in a food chain
- (b) In deeper parts of oceans, primary production remains almost nil
- (c) The primary consumers are called autotrophs
- (d) The decomposers are called saprotrophs

**Q96.** Which among the following cities of India will have mid day Sun exactly overhead only a year?

- (a) Delhi and Chennai
- (b) Srinagar and Darjeeling
- (c) Hyderabad and Kohima
- (d) Nagpur and Kolkata

**Q97.** Statement I The planet Neptune appears blue in colour. Statement II The presence of methane gas in the atmosphere of Neptune is responsible for its colour

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

**Q98.** Which one among the following is not an igneous rock?

- (a) Granite
- (b) Basalt
- (c) Gabbro
- (d) Gneiss

**Q99.** Oil is found in petroliferous rock. Which one among the following structures demonstrates an ideal trap?

- (a) Horizontal structure
- (b) Fault structure
- (c) Synclinal structure
- (d) Anticlinal structure

**Q100.** (a)

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

**Q101.** Which one of the following is a land-locked harbour?

- (a) Vishakhapatnam
- (b) Ennore
- (c) Mumbai
- (d) Haldia

**Q102.** Plate tectonics is a scientific theory that describes the large scale motions of Earth's lithosphere. Which one among the following statements regarding Plate tectonics is not correct?

- (a) Tectonic plates are composed of Oceanic lithosphere and thicker Continental lithosphere
- (b) Tectonic plates are able to move because the Earth's lithosphere has a higher strength than the underlying asthenosphere
- (c) The Earth's lithosphere is broken up into Tectonic Plates
- (d) Along divergent plate boundaries, subduction carries plates into the mantle

**Q103.** In which one of the following years did the Right to information Act come into force?

- (a) 2003
- (b) 2004
- (c) 2005
- (d) 2006

**Q104.** Which one of the following countries has adopted a new Constitution in the year 2008 aiming to pursue a modern, multi-party, democratic system and giving more power to the judiciary and legislature?

- (a) Japan
- (b) Bhutan
- (c) Maldives
- (d) Singapore

**Q105.** Consider the following statements about the Treaty of Lisbon (2007)

1. This is an international agreement signed to change the functioning of European Union.

2. To enter into legal force, the treaty must be ratified by at least 3/4th member States of the European Union. Which of the statement given above is/are correct?

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

**Q106.** Which one of the following statements regarding Bharat Ratna Award is not correct?

- (a) The original specifications for the award called for a circular Gold Medal, 35 mm in diameter, with the sun and the Hindi legend 'Bharat Ratna' above and a floral wreath below. The reverse was to carry the state emblem and motto.
- (b) The provision of Bharat Ratna was introduced in 1954
- (c) Bharat Ratna is awarded to Indian citizens only
- (d) The first ever Indian to receive this award was the famous scientist, Chandrasekhara Ventkata Raman

**Q107.** Piramal Life Science is a/an

- (a) Life Insurance Company
- (b) Drug Research Company
- (c) SEZ (Special Economic Zone)
- (d) PSU dealing with healthcare amenities

**Q108.** Which one of the following statements about Gangubai Hangal, who died in July 2009, is not correct?

- (a) She was a Hindustani classical singer of Kirana Gharana
- (b) She was awarded Bharat Ratna in 2002
- (c) She was a campaigner to increase awareness for organ donation
- (d) She had the rare honour of being felicitated by nine Prime Ministers and five Presidents of India

**Q109.** Consider the following statements regarding the ambitious National Mission for Enhanced Energy Efficiency, one of the eight missions under the National Action Plan on Climate Change.

1. The mission is expected to save 23 million tonne oil equivalent of fuel and avoid the need to build additional capacity over 19000 MW.

2. During the next four years the mission will help achieve green house gas emission reduction of 98.55 million tonnes per year.

3. The mission will also kickstart the country's first market based trading in energy efficiency saving in line with international carbon trade. Which of the statements given above is/are correct?

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

**Q110.** There is a distinct change in public policies promoting human development in India in the postglobalised era. This change has been termed as

- (a) individual-centric approach to development
- (b) state-centric approach to development
- (c) right-based approach to development
- (d) performance-based approach to development

**Q111.** Which one among the following was the objective of starting the Nirmal Gram Puraskar incentive scheme?

- (a) Encourage Panchayati Raj Institutions to take up sanitation promotion 100% defecation-free environment
- (b) Enable rural schools to provide safe and clean drinking water for children
- (c) Provide toilets to all rural households
- (d) Provide financial assistance to States to install water purification systems in rural schools

**Q112.** In the era of globalisation, international migration is one of the biggest challenges of 21st century. To deal with this, which of the following steps have been taken by the Government of India?

- 1. Establishment of 24/7 helpline to provide information to jobseekers.
  - 2. Undertaking steps to ratify the UN Convention on Transnational Organised Crime and its protocols.
  - 3. Implementing e-Governance in emigration management to detect instances of misrepresentation, forgery etc. through real time validation of information on publicprivate partnership basis. 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

**Q113.** World's first gold and jewellery encrusted car- Gold Plus, was unveiled in the year 2011 as a tribute to 5000 years of Indian jewellery making. Who among the following was the maker of the car?

- (a) Tata Motors
- (b) Maruti Suzuki
- (c) Hyundai
- (d) Volkswagen

**Q114.** Which one among the following statements about globalisation is not correct?

- (a) Advocates of globalisation argue that it will result in greater economic growth
- (b) Critics of globalisation argue that it will result in greater economic disparity
- (c) Advocates of globalisation argue that it will result in cultural homogenization
- (d) Critics of globalisation argue that it will result in cultural homogenization

**Q115.** Which one among the following statements about Barack Obama is not correct?

- (a) In the year 2012, he was elected as the President of USA for the second time, defeating the republican candidate Mitt Romney
- (b) He is the first African-American President of USA
- (c) He is the first Democratic President since Franklin D Roosevelt to twice win the majority of the popular vote in USA presidential election
- (d) He is the only American President who won the Nobel Peace Prize

**Q116.** Fourth BRICS Summit, held in New Delhi in March, 2012, deliberated on the challenges faced by India for sustainable growth. Which one among the following is not a part of the formulated challenges?

- (a) Improvements required in public sector management
- (b) Inclusive growth
- (c) Improvements required in physical infrastructure
- (d) Development in the agricultural sector

**Q117.** Which one among the following countries has won the ICC Women's World Cup, 2013 held in India?

- (a) India
- (b) West Indies

- (c) Australia
- (d) Sri Lanka

**Q118.** The Union Ministry of Environment and Forest recently approved in principle a proposal for Western Ghats development prepared K Kasturirangan-led panel. The panel has recommended a ban on development activities in around 60000 sq km ecologically sensitive area spread over

- (a) Gujarat, Andhra Pradesh, Tamil Nadu, Maharashtra, Kerala and Karnataka
- (b) Gujarat, Maharashtra, Goa, Karnataka, Kerala and Tamil Nadu
- (c) Odisha, Maharashtra, Goa, Kerala, Andhra Pradesh and Tamil Nadu
- (d) Karnataka, Odisha, Gujarat Kerala, Maharashtra and Tamil Nadu

**Q119.** Which of the following statements about India-Sri Lanka relations is/are correct?

1. India and Sri Lanka have a Free Trade Agreement.
  2. India has emerged as the highest exporter to Sri Lanka as on May 2014. 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

**Q120.** Consider the following statements with regard to the First Renewable Energy Global Investors Meet and Expo (2015):

1. This is a follow-up to the 'Make in India' initiative.
2. The central theme of the meet is to attract large scale investments in the renewable energy sector in India. 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. b 2. a 3. d 4. c 5. a 6. c 7. a 8. c 9. a 10. a  
 11. c 12. d 13. c 14. a 15. d 16. c 17. b 18. a  
 19. c 20. d 21. c 22. d 23. d 24. b 25. b 26. a  
 27. a 28. b 29. b 30. d 31. c 32. c 33. c 34. c  
 35. c 36. a 37. b 38. d 39. b 40. c 41. c 42. c  
 43. b 44. a 45. b 46. d 47. c 48. c 49. d 50. a  
 51. b 52. a 53. d 54. c 55. c 56. a 57. B 58. A  
 59. A 60. B 61. D 62. c 63. d 64. c 65. c 66. c  
 67. c 68. d 69. b 70. c 71. c 72. c 73. b 74. c  
 75. c 76. d 77. c 78. a 79. c 80. a 81. d 82. a  
 83. a 84. b 85. c 86. d 87. a 88. c 89. d 90. b

91. b 92. c 93. a 94. c 95. c 96. b 97. a 98. d  
99. b 100. b 101. a 102. d 103. c 104. b 105.  
a 106. d 107. b 108. b 109. a 110. d 111. a  
112. a 113. a 114. d 115. d 116. a 117. c  
118. b 119. a 120. a

- 1.
- 2.
- 3.
- 4.
5. Rayon is made from naturally occurring cellulose. Rayon is also called artificial silk.
6. Addition of water to an aqueous solution of HCl decreases the pH because on dilution the number of H<sup>+</sup> ions (from water) increases. Now since  $[H^+] = 10^{-pH}$  As  $[H^+]$  increases pH decreases.
7. The coil in a heater is made up of nichrome because its melting point and resistivity are high.
8. Radioactivity is not a periodic property. It is a nuclear property. Atomic size, valency and electronegativity are periodic properties because they show a trend on moving from one side to the other in the periodic table.
9. The method of protection of iron from corrosion by using a more reactive metal is known as sacrificial protection or cathodic protection. Zinc, magnesium and aluminium metals are more reactive than iron hence, they are used as a sacrificial anode while tin is less reactive than iron hence, it cannot be used as a sacrificial anode.
10. The pH of fresh ground water slightly decreases upon exposure to air because when it comes to air, it absorbs the carbon dioxide (CO<sub>2</sub>), and for carbonic acid (H<sub>2</sub>CO<sub>3</sub>) which is a weak acid i.e. less pH.
11. Carbon atoms in diamond form a rigid, three dimensional structure with each carbon atom bonded to four other carbon atoms.
12. Silicosis in human is lung disease caused by inhalation of crystalline silica-dust.
- 13.
- 14.
- 15.
- 16.
17. Transformer is based on the principle of mutual induction.
18. Bands will disappear because band width  $\mu$  wavelength  $D B d = 1$ .
19. In automobiles, convex mirror is used as a rear view mirror because the image of the vehicle formed is small in size due to this the field of view is increased and the driver of automobile can see the traffic over large area.

20. As white colour reflects all the components of white light and black colour absorbs all the components of white light. So, the best colours for a sun umbrella, white on top and black on inside.

21. Diffusion refers to the process by which molecules intermingle as a result of their kinetic energy of random motion.
22. Tungsten has the highest melting point and lowest vapour pressure of all metals.
23. Manganin is a trademarked name for an alloy of typically 86% copper, 12% manganese, and 2% nickel. Constantan is a copper-nickel alloy usually consisting of 55% copper and 45% nickel. Its main feature is its resistivity which is constant over a wide range of temperatures. Other alloys with similarly low temperature coefficients are manganin.
- 24.
- 25.
- 26.
- 27.
- 28.
29. The Human Right Commission consists of a chairman and other four members. The chairman should be a retired chief justice of India.
30. Article 26 of the Indian Constitution states freedom to manage religious affairs subject to public order, morality and health, every religious denomination or any section thereof shall have the right- (a) to establish and maintain institutions for religious and charitable purposes; (b) to manage its own affairs in matters of religion; (c) to own and acquire movable and immovable property; and
31. Correct chronological order of the presidents of Indian National Congress is - **1.** Purushottam Das Tandon-1950 **2.** U. N. Dhebar- 1955 **3.** K. Kamaraj- 1964 **4.** Jagjivan Ram- 1970
32. Up to 2014, seven (out of twenty-nine) states have a Legislative Council: Andhra Pradesh, Bihar, Jammu and Kashmir, Karnataka, Maharashtra, Telangana and Uttar Pradesh. Tamilnadu does not have Legislative Council.
33. Kesavananda Bharati vs State of Kerala(1973) is a landmark decision of the Supreme Court of India that outlined the Basic Structure doctrine of the Constitution. In the case, the Supreme Court ruled that all provisions of the constitution, including Fundamental Rights can be



amended. However, the Parliament cannot alter the basic structure of the constitution like secularism, democracy, federalism, separation of powers.

**34.** According to Article 32, when an individual feels that he has been "unduly deprived" of his fundamental rights, he can move the Supreme Court and seek justice. Apart from the Supreme Court, the High Courts also have the power to protect fundamental rights. Like the apex court, they also can issue writs for the enforcement of fundamental rights of the citizens. The both courts can issue five different writs - Certiorari, Habeas Corpus, Mandamus, Prohibition, and Quo Warranto.

**35.** The Overseas Citizenship of India (OCI) scheme was introduced by amending The Citizenship Act, 1955 in August 2005. The scheme was launched during the Pravasi Bharatiya Divas convention at Hyderabad in 2006. Overseas citizens of India will not enjoy the following rights even if resident in India: (i) the right to vote, (ii) the right to hold the offices of President, Vice-President, Judge of Supreme Court and High Court, Member of Lok Sabha, Rajya Sabha, Legislative Assembly or Council (iii) appointment to Public Services (Government Service).

**36.** All statements are correct.

**37.** The preamble is useful in constitutional interpretation because it contains the real objective and philosophy of the constitution makers.

**38.** · Election of Speaker shall be held on such date as the President may fix, and the Secretary-General shall send notice of this date to every member. · The election of a Deputy Speaker shall be held on such date as the Speaker may fix and the Secretary-General shall send notice of this date to every member. · At any time before noon on the day preceding the date so fixed, any member may give notice in writing, addressed to the Secretary-General, of a motion that another member be chosen as the Deputy Speaker of the House and the notice shall be seconded by a third member and shall be accompanied by a statement by the member whose name is proposed in the notice that he is willing to serve as Deputy Speaker, if elected.

**39.** Original jurisdiction of the Supreme Court (Article 131): Supreme court has power to decide disputes · between the Government of India and one or more States · between the Government of India and any State or States

on one side and one or more other States on the other · between two or more States.

**40.** The Public Accounts Committee (PAC) is a committee of selected members of Parliament, constituted by the Parliament of India, for the auditing of the expenditure of the Government of India. Its chief function is to examine the audit report of Comptroller and Auditor General (CAG) after it is laid in the Parliament.

**41.** The recommendation of the president is required for introduction of money bills or for moving amendments to acts relating to financial matters, except those making provision for the reduction or abolition of any tax. So, for option (c) president's recommendation is not required.

**42.** The power to decide the date of an election a state legislative assembly rests with the election commission of India.

**43.**

**44.**

**45.** Red Data Book is related with a complete list of all endangered species.

**46.**

**47.** Influenza is caused by virus and all other three diseases are bacterial, Influenza, generally called flu, is an infectious disease caused by RNA viruses of family Orthomyxoviridae.

**48.**

**49.** Ajinomoto is Chinese salt used for preparing noodles. It is used as a flavouring agent.

**50.** The major raw materials for soap production are fat and alkali. Other materials like water, softener, perfume, etc, may also be mixed if required.

**51.** Photochemical smog takes place in warm, dry and sunny climate. The word smog means 'smoke' and 'fog' means 'smoky fog'. Its main components are created from the action of sunlight on unsaturated hydrocarbons and nitrogen oxide produced by automobiles and factories.

**52.** Endosulfan is an organochlorine pesticide and acaricide which is used. Endosulfan became a highly controversial agricultural chemical due to large number of victims in Kerala.

**53.** Cancer is more common in older people because they have accumulation of more mutations.

**54.** Among the given options, bug possesses only three pairs of legs. All the insects in phylum Arthropoda have three pairs of legs in



given option only bug belongs to class-insecta.

**55.** Characteristics of mammals: • They Are vertebrates (which means they have a backbone or spine). • They regulate their own body temperate which allows them to live in almost every climate on Earth. • Have hair on their bodies. • Produce milk to feed their babies. • Four chambered heart: two atria and two ventricles (bird and mammal)

**56.** Bat is mammal not a bird.

**57.** Only statement 2 is correct. Statements 1 & 3 are wrong.

**58.** Typically, higher inflation is caused by strong economic growth. If Aggregate demand in an economy expanded faster than aggregate supply, we would expect to see a higher inflation rate. If demand is rising faster than supply, then this suggests that economic growth is higher than the long run sustainable rate of growth. Note: A sustained rise in prices is known as inflation. A large rise in prices is often caused by economic growth.

**59.** The sharp decline in crude oil price helped the government to deregulate the price of diesel and thus reduce a huge burden of subsidy on the exchequer. India if not a producing giant, is certainly a refining hub where it refines and markets around 220 metric million tonnes of petroleum products. Out of this around 160 mmt is used for domestic consumption while the rest is used for exports. Therefore, the drop in price of oil will be a blessing for the Indian refiners and the oil marketing companies.

**60.** Unorganized workers (UW) in India have increased many folds post independence. Around 52% of UW's are engaged in agriculture & allied sector and they constitute more than 90% of the labour work force. Characteristics of unorganized sector are: • Excessive seasonality of employment • Poor working conditions • No fixed jobs • Work in very poor working environment • No job regulation • No security of Employment • Employed for a limited period

**61.**

**62.**

**63.**

**64.**

**65.**

**66.**

**67.**

**68.**

**69.** It was a significant battle fought between the forces under the command of the British East India Company on the one side and the combined army of Mir Kasim, the Nawab of Bangal, Nawab of Awadh and Shah Alam II, the Mughal Emperor. Mir Jafar was a puppet of British East India Company.

**70.** Muhammad Iqbal was invited to the second and third round table conference.

**71.** These books deal with principles of grammar.

**72.** Harrapan civilization was rural based civilization.

**73.** . The Five Principles of Peaceful Coexistence are a set of principles to govern relations between states. The agreement was signed between India and China on 29 April 1954. The five principles of the panchsheel are: • Mutual respect for each other's territorial integrity and sovereignty. • Mutual non-aggression. • Mutual non-interference in each other's internal affairs. • Equality and cooperation for mutual benefit. • Peaceful co-existence.

**74.** The Non-Aligned Movement (NAM) is a group of states which are not formally aligned with or against any major power bloc. The organization was founded in Belgrade in 1961. The principles of The Non-Aligned movement were: • Mutual respect for each other's territorial integrity and sovereignty • Mutual non-aggression • Mutual non-interference in domestic affairs • Equality and mutual benefit • Peaceful co-existence

**75.** The American Revolutionary War (1775-1783), was an armed conflict between the Kingdom of Great Britain and thirteen of its former North American colonies, which declared themselves the independent in 1776.

**76.** Jatakas are the stories that tell about the previous lives of the Buddha, in both human and animal form.

**77.**

**78.** The word Dhamma is the Prakrit version of the Sanskrit word Dharma. Ashoka's Dhamma is a philosophical entity that emphasizes on the high ideals in order to lead a successful life. He wanted everyone to live peacefully and co-exist in a harmonious environment.

**79.** Bal Gangadhar Tilak interpreted Gita as the scripture of Karmayoga.

**80.** Varahamihira was an Indian astronomer, mathematician, and astrologer who lived in Ujjain. He wrote Brihat Samhita which covers

astrology, planetary movements, eclipses, rainfall, clouds, architecture, growth of crops, manufacture of perfume, matrimony, domestic relations, gems, pearls, and rituals.

**81.** The word Swarajya was first coined by Bal Gangadhar Tilak. He is known for his quote "Swarajya is my birthright, and I shall have it!"

**82.** B G Tilak setup the Home Rule League at the Bombay Provincial conference held at Belgaum in April 1916. Narasimha Chintaman Kelkar (N. C. Kelkar) was associated with Shikshana Prasarak Mandali in Pune established in 1904

**83.** Sutanuti was one of the three villages which were merged to form the city of Kolkata (formerly Calcutta) in India. Job Charnock, an administrator with the British East India Company is traditionally credited with the honour of founding the city. Fort William was established to protect the East India Company's trade in the city of Calcutta, the principal town of the Bengal Presidency. In 1756, with the possibility of conflict with French forces, the British began building up the fort's strengths and defences.

**84.**

**85.** Madhya Pradesh shares its border with 5 states which are Uttar Pradesh, Chhattisgarh, Maharashtra, Gujarat and Rajasthan.

**86.** 1. Brazil- cruizado Real 2. China- Yuan 3. Mexico- Mexican Peso 4. Thailand- Thai Baht

**87.** In agriculture, leaching refers to the loss of watersoluble plant nutrients from the soil, due to rain and irrigation. The rate of leaching increases with the amount of rainfall, high temperatures, and the removal of protective vegetation. In areas of extensive leaching, many plant nutrients are lost, leaving quartz and hydroxides of iron, manganese, and aluminium. This remainder forms a distinctive type of soil, called laterite.

**88.**

**89.** Intergenerational equity is a concept that says that humans 'hold the natural and cultural environment of the Earth in common both with other members of the present generation and with other generations, past and future. It means that we inherit the Earth from previous generations and have an obligation to pass it on in reasonable condition to future generations. The goal of sustainable development is Intergenerational equity.

**90.**

**91.** The Labrador Current is a cold current in the North Atlantic Ocean.

**92.** The angular speed of a whirlwind in a Tornado towards the centre remains constant.

**93.** Black soils become sticky when it is wet. It is rich in iron, lime, calcium, Magnesium, carbonates, and alumina and poor in Phosphorous, Nitrogen and Organic matter. The soil is black in colour because it is volcanic in origin. It is created from igneous rocks, and is also called 'regur soil'.

**94.** 111 Kms are represented by 1 degree latitude.

**95.** Primary consumers are animals that eat primary producers, they are also called herbivores (plant eaters). An autotroph is an organism that can produce its own food using light, water, carbon dioxide or other chemicals. As autotrophs produce their own food, they are sometimes called 'producers' as plants, Algae etc.

**96.** Srinagar and Darjeeling will have mid-day sun exactly overhead only once a year.

**97.** Neptune's atmosphere is made up of hydrogen, helium and methane. The methane in Neptune's upper atmosphere absorbs the red light from the sun but reflects the blue light from the Sun back into space. This is why Neptune appears blue.

**98.** Gneiss is a high grade metamorphic rock, meaning that it has been subjected to higher temperatures and pressures than schist. It is formed by the metamorphosis of granite, or sedimentary rock.

**99.** The meridian passing through Greenwich, England, designated as the zero meridian ( $0^\circ$ ) that is directly under the sun experiences solar noon at a given time.

**100.** Laterite soil layer that is rich in iron oxide and derived from a wide variety of rocks weathering under strongly oxidizing and leaching conditions.

**101.** Vishakhapatnam is the deepest landlocked port in India.

**102.** Tectonic plates are composed of oceanic lithosphere and thicker continental lithosphere, each topped by its own kind of crust. Tectonic plates are able to move because the Earth's lithosphere has greater strength than the underlying asthenosphere. The outer shell of the earth, the lithosphere is broken up into tectonic plates. The seven major plates are the African plate, Antarctic plate, Eurasian plate, Indo-Australian plate, North American plate, Pacific plate and South

American plate. Along convergent boundaries, subduction carries plates into the mantle.

**103.** The Right to Information Act (RTI) was passed by the Indian Parliament on 12 May 2005 and received Presidential assent on 15 June 2005. It came into force on 12 October 2005.

**104.**

**105.** Before an EU treaty can enter into force, it must be ratified by all member states.

Ratification takes different forms in each country, depending on its traditions, constitutional arrangements and political processes. The Treaty of Lisbon was signed by the EU member states on 13 December 2007.

**106.** The first recipients of the Bharat Ratna were politician C. Rajagopalachari, scientist C. V. Raman and philosopher Sarvepalli Radhakrishnan, who were honoured in 1954.

**107.** Piramal Life Science Ltd. is a Drug Research Company.

**108.** Gangubai Hangal was an Indian singer of the khyal genre of Hindustani classical music, belonged to the Kirana gharana. Gangubai Hangal received a number of awards but did not receive Bharat Ratna, which include: · Karnataka Sangeet Nritya Academy Award, 1962 · Padma Bhushan, 1971 · Sangeet Natak Akademi Award, 1973 · Sangeet Natak Akademi Fellowship, 1996 · Padma Vibhushan, 2002

**109.** NMEEE is an integrated approach for climate change mitigation through energy efficiency measures. It is an Indian government initiative proposed to address national problems of inefficient energy use. It is one of eight proposals created by India's 'National Action Plan for Climate Change' and is based on the Energy Conservation Act of 2001.

**110.**

**111.** Government of India (GOI) has been promoting sanitation coverage in a campaign mode to ensure better health and quality of life for people in rural India. To add vigour to its implementation, the government launched an award based Incentive Scheme for fully sanitized and open defecation free Gram Panchayats, Blocks, Districts and States called "Nirmal Gram Puraskar" (NGP) in October 2003 and gave away the first awards in 2005 as a component of its flagship scheme Total Sanitation Campaign (TSC).

**112.**

**113.** Ratan Tata has unveiled world's first gold jewellery car to mark the occasion of 5000 glorious years of jewellery making tradition in India, from its Group company Titan Industries.

**114.** Critics of cultural homogenization theory point out that as different cultures mix, homogenization is less about the spread of a single culture as about the mixture of different cultures, as people become aware of other cultures and adopt their elements.

**115.** Theodore Roosevelt, Woodrow Wilson, Barack Obama and Jimmy Carter were the Noble Peace Prize recipient American Presidents.

**116.**

**117.** Australia won the tournament for the sixth time, beating West Indies by 114 runs in the final.

**118.** It spreads over Gujarat, Maharashtra, Goa, Karnataka, Kerala, and Tamil Nadu.

**119.** India and Sri Lanka have recently concluded the IndiaSri Lanka free trade accord. India has emerged as Sri Lanka's biggest importing source nation ahead of China and Singapore. India accounted for 18 per cent of Sri Lanka's total imports.

**120.** The first Renewable Energy Global Investors Meet & Expo, also called RE-Invest 2015, was held in New Delhi from 15 February 2015 to 17 February 2015. The meet was organised by the Union Ministry of New and Renewable Energy as a follow-up to the Make in India initiative of the Prime Minister. The aim of the meet is to evolve innovative financial models for funding and to ensure the partnership of states and the Centre in harnessing renewable energy. Germany is the partner country for Re-Invest 2015.