

UPSC 2012

1. Vultures which used to be very common in Indian countryside some years ago are rarely seen nowadays. This is attributed to

- A. the destruction of their nesting sites by new invasive species
- B. a drug used by cattle owners for treating their diseased cattle
- C. scarcity of food available to them
- D. a widespread, persistent and fatal disease among them

Answer: B

Solution: Biologists think that many vultures being poisoned by drug known as diclofenac as farmer administered to livestock. Such drug wrecks the kidneys of vultures that search the remains and kills the vulture in days, so this makes option B. correct.

2. What would happen if phytoplankton of an ocean is completely destroyed for some reason?

- 1) The ocean as a carbon sink would be adversely affected.
- 2) The food chains in the ocean would be adversely affected.
- 3) The density of ocean water would drastically decrease.

Select the correct answer using the codes given below:

- A. 1 and 2 only
- B. 2 only
- C. 3 only
- D. 1, 2 and 3

Answer: A

Solution: Statement 1 is correct as phytoplankton knock back carbon dioxide generating world's oxygen output. Statement 2 is correct as Phytoplankton serves as initial link in oceanic food chain by eating zooplankton which further eats other animals that are consumed by sea creatures, so option A. is correct as only statements 1 and 2 are correct.

3. Consider the following agricultural practices:

- 1) Contour bunding
- 2) Relay cropping
- 3) Zero tillage

In the context of global climate change, which of the above helps/help in carbon sequestration/storage in the soil?

- A. 1 and 2 only
- B. 3 only
- C. 1, 2 and 3
- D. None of them

Answer: C

Solution: Carbon sequestration involves carbon capturing with long atmospheric carbon dioxide storage which defers global warming.

Statement 1 is correct as contour bunding, agricultural practice is carried across hill slopes is an effective method of soil conservation. Statement 2 is correct as Relay cropping involves growing of two or more crops on similar field with planting of 2nd crop after 1st development. Statement 3 is correct as Zero Tillage is applied in conservation of agriculture which brings quantum leap in crop production.

4. Consider the following:

- 1) Black-necked crane
- 2) Cheetah
- 3) Flying squirrel
- 4) Snow leopard

Which of the above are naturally found in India?

- A. 1, 2 and 3 only
- B. 1, 3 and 4 only
- C. 2 and 4 only
- D. 1, 2, 3 and 4

Answer: B

Solution: Statement 1 is correct, black-necked crane is medium-sized crane in Asia which breeds in remote parts of India and Bhutan.

Statement 2 is incorrect as Cheetah like grasslands, savannahs, semi-desert areas and was initially found in Kavir desert of Iran. Statement 3 is correct as flying squirrel naturally found in China, India, Indonesia, Myanmar, Sri Lanka, Taiwan and Vietnam. Statement 4 is correct as snow leopard found on mountain ranges of Central and South Asia which serves as one of the five big cats found in India. We see that statements 1, 3 and 4 are correct, so best option is B.

5. Which of the following can be threats to the biodiversity of a geographical area?

- 1) Global warming
- 2) Fragmentation of habitat
- 3) Invasion of alien species
- 4) Promotion of vegetarianism

Select the correct answer using the codes given below:

- A. 1, 2 and 3 only
- B. 2 and 3 only
- C. 1 and 4 only
- D. 1, 2, 3 and 4

Answer: A

Solution: Statement 2 is correct biodiversity threat result with Loss of Habitat and fragmentation with deforestation in tropical forests result as cause of mass extinctions lead by human activity. Statement 1 is correct as biodiversity threat results could be Global warming which occurs due to changing global climate which lead to threatening of species and ecosystems. Statement 3 is correct as invasion of non-native species result in important and unseen reason of extinctions, so correct option is A, as three statements are correct.

6. What is the difference between the antelopes Oryx and Chiru?

- A. Oryx is adapted to live in hot and arid areas whereas Chiru is adapted to live in steppes and semi-desert areas of cold high mountains
- B. Oryx is poached for its antlers whereas Chiru is poached for its musk
- C. Oryx exists in western India only whereas Chiru exists in north-east India only
- D. None of the statements (a), (b) and (c) given above is correct

Answer: A

Solution: Oryx is tailored to survive in hot and arid areas while Chiru is tailored to exist in steppes and semi-desert areas of cold high mountains, which makes option A correct. It is seen that Oryx species exists near desert conditions which lives without water for longer time. Tibetan antelope or chiru lives in cold high mountains states option B and C incorrect.

7. The Millennium Ecosystem Assessment describes the following major categories of ecosystem services-provisioning, supporting, regulating, preserving and cultural. Which one of the following is supporting service?

- A. Production of food and water
- B. Control of climate and disease
- C. Nutrient cycling and crop pollination
- D. Maintenance of diversity

Answer: C

Solution: Millennium Ecosystem Assessment assesses the consequences of ecosystem change for human well-being describing conditions of ecosystems and consequences of change. It is noted that MEA involves in nutrients cycling along with pollination of different crops which states that option C. is correct.

8. Consider the following statements:

If there were no phenomenon of capillarity

- 1) it would be difficult to use a kerosene lamp
- 2) one would not be able to use a straw to consume a soft drink
- 3) the blotting paper would fail to function
- 4) the big trees that we see around would not have grown on the Earth Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1, 3 and 4 only
- C. 2 and 4 only
- D. 1, 2, 3 and 4

Answer: B

Solution: Capillarity serves as capacity of flow of liquid in small space without gravity. Statement 1 is correct as kerosene lamp involves phenomena of capillary action. Statement 2 is incorrect as capillary action is not applied in case of application of straw to consume soft drink.

Statement 3 is correct as blotting paper will not work without phenomena of capillary action. Statement 4 is correct as capillary action involves small tree to grow under big trees, so correct option is B.

9. Which one of the following groups of animals belongs to the category of endangered species?

- A. Great Indian Bustard, Musk Deer, Red Panda and Asiatic Wild Ass
- B. Kashmir Stag, Cheetal, Blue Bull and Great Indian Bustard
- C. Snow Leopard, Swamp Deer, Rhesus Monkey and Saras (Crane)
- D. Lion-tailed Macaque, Blue Bull, Hanuman Langur and Cheetal

Answer: A

Solution: Endangered species are risky which are threatened by factors like habitat loss, hunting, disease and climate change, hence we see that Great Indian Bustard, Musk Deer, Red Panda and Asiatic Wild Ass mentioned in option A. is correct.

10. Consider the following kinds of organisms:

- 1) Bat
- 2) Bee
- 3) Bird

Which of the above is/are pollinating agent/agents?

- A. 1 and 2 only
- B. 2 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: D

Solution: Pollinator is an agent which moves pollen, whether it be bees, flies, bats, moths or birds, so 1, 2 and 3 are correct which makes option D. correct.

11. In which one among the following categories of protected areas in India are local people not allowed to collect and use the biomass?

- A. Biosphere Reserves
- B. National Parks
- C. Wetlands declared under Ramsar Convention
- D. Wildlife Sanctuaries

Answer: B

Solution :

In national parks local people not allowed to collect and use the biomass.

12. Which one of the following is the characteristic climate of the Tropical Savannah Region?

- A. Rainfall throughout the year
- B. Rainfall in winter only
- C. An extremely short dry season
- D. A definite dry and wet season

Answer: D

Solution: The tropical savannas region lies in tropical climatic zone where temperature is warm throughout the year. Such region has mean temperatures above 18 °C. with definite wet and dry seasons, hence option D. is correct. Option A. is incorrect as such region have annual rainfall during wet season only and not all through the year.

13. Consider the following statements:

- 1) The duration of the monsoon decreases from southern India to northern India.
- 2) The amount of annual rainfall in the northern plains of India decreases from east to west.

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

Answer: C

Solution: Statement 1 is correct as duration of monsoon season decrease from south to north India and from the east to west India. Statement 2 is correct as amount of rainfall decreases from east to west due to decrease in humidity of winds, hence both statements are correct which makes option C. correct.

14. Consider the following areas:

- 1) Bandipur

- 2) Bhitarkanika
- 3) Manas
- 4) Sunderbans

Which of the above are Tiger Reserves?

- A. 1 and 2 only
- B. 1, 3 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: B

Solution: From the options shown, Tiger reserves are in Bandipur, Manas and Sunderbans which makes option B correct.

15. Recently, there has been a concern over the short supply of a group of elements called 'rare earth metals'. Why?

- 1) China, which is the largest producer of these elements, has imposed some restrictions on their export.
- 2) Other than China, Australia, Canada and Chile, these elements are not found in any country.
- 3) Rare earth metals are essential for the manufacture of various kinds of electronic items and there is a growing demand for these elements. Which of the statements given above is/are correct?

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: C

Solution: Statement 1 is correct as in 2010, China being largest producers and supplier of 95% of rare earth metals like praseodymium, cerium, gadolinium and promethium set worries across the globe by putting certain restrictions on exports of rare earth elements. Statement 3 is correct, as rare earth metals used for making cellphones, missile systems, car batteries etc. Statement 2 is incorrect as apart from China, countries like Australia, Brazil, Canada, South Africa, Tanzania, Greenland, and United States, do involves in rare earth metals exploration, so option C. is correct.

16. A person stood alone in a desert on a dark night and wanted to reach his village which was situated 5 km east of the point where he was standing. He had no instruments to find the direction but he located the polestar. The most convenient way now to reach his village is to walk in the

- A. direction facing the polestar
- B. direction opposite to the polestar
- C. direction keeping the polestar to his left
- D. direction keeping the polestar to his right

Answer: C

Solution: The star in night sky which does not move is called as Polaris, Pole star or North Star, which tells you of north direction. Since the direction of the village is on left from where he happen to see pole star, so in such case the person will have to walkdown by keeping polestar on left, hence option C. is correct. Option A. is incorrect as if the person walks in direction of polestar, then he will walk towards north, which is incorrect. Option B. is incorrect as the person if walking in opposite direction of polestar will move towards south. Option D. is incorrect as if the person while walking keeps the polestar towards his right, then he will tends to move towards west direction.

17. Despite having large reserves of coal, why does India import millions of tonnes of coal?

- 1) It is the policy of India to save its own coal reserves for future, and import it from other countries for the present use.
- 2) Most of the power plants in India are coal-based and they are not able to get sufficient supplies of coal from within the country.
- 3) Steel companies need large quantity of coking coal which has to be imported.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: B

Solution: India lies among 5th largest coal reserves and world's 3rd producer and importer of coal. We see that coal in India is of lower grade while imported coal have less ash and more carbon content which able to

create more heat per kilogram which can be used in steel companies, so statement 3 is correct. Being good producer of coal, in India, power plants are mostly coal based, so normal production of coal will not be much for power plants, hence statement 2 is correct. Statement 1 is incorrect, so best option is B.

18. The distribution of powers between the Centre and the States in the Indian Constitution is based on the scheme provided in the

- A. Morley-Minto Reforms, 1909
- B. Montagu-Chelmsford Act, 1919
- C. Government of India Act, 1935
- D. Indian Independence Act, 1947

Answer: C

Solution: We see that Act of 1935 which is Government of India Act gives formula for power distribution among centre and states after independence which serves as basis for power distribution among union and states in Indian Constitution, so option C. is correct.

19. With reference to the guilds (Shreni) of ancient India that played a very important role in the country's economy, which of the following statements is /are correct?

- 1) Every guild was registered with the central authority of the State and the king was the chief administrative authority on them.
- 2) The wages, rules of work, standards and prices were fixed by the guild.
- 3) The guild had judicial powers over its own members.

Select the correct answer using the codes given below:

- A. 1 and 2 only
- B. 3 only
- C. 2 and 3 only
- D. 1, 2 and 3

Answer: D

Solution: Guilds in Ancient India are different and talented organisation that functions of democratic government, trade union, court of justice and as institution. Statement 2 is correct as Guild fixed working and quality rules of finished product along with its pricing in order to safeguard

artisan and customer. Statement 1 is correct as guilds were registered with the town authority. Statement 3 is correct as being having judicial powers, guilds can check and balances activities of artisans by framing penal laws, as all statements in this question are correct, so correct option is D.

20. Consider the following:

- 1) Assessment of land revenue on the basis of nature of the soil and the quality of crops
- 2) Use of mobile cannons in warfare
- 3) Cultivation of tobacco and red chillies

Which of the above was/were introduced into India by the English?

- A. 1 only
- B. 1 and 2
- C. 2 and 3
- D. None

Answer: D

Solution: Statement 1 is incorrect as Britishers were not involved in Land revenue assessment based on soil fertility, but it was Raja Todarmal who introduced assessment of land revenue based on soil fertility and crop quality. Statement 2 is incorrect, as also britishers were not involved in use of mobile cannons in warfare, but Babur during conquest of Delhi uses mobile light canon which was much earlier than British rule in India. Statement 3 is incorrect as between 17th and 18th centuries crops like tobacco, maize, potato and red chillies were cultivated which were much earlier than British rule. We see that all three statements are incorrect hence correct option is D.

21. The basic aim of Lead Bank Scheme is that

- A. big banks should try to open offices in each district
- B. there should be stiff competition among the various nationalized banks
- C. individual banks should adopt particular districts for intensive development
- D. all the banks should make intensive efforts to mobilize deposits

Answer: C

Solution: Reserve Bank of India introduced Lead Bank Scheme where a bank will act as consortium leader to coordinate efforts of banks in districts in terms of branch expansion and credit planning, which correctly describes option C.. Option A. is incorrect as lead bank will not insist big banks to open its branches each district. Option B. is also not correct as Lead Bank will not lead to any competition which exists among nationalised banks. Option D. is not relevant as the scheme will not involve in mobilization of deposits, so correct answer is option C.

22. Consider the following statements:

The price of any currency in international market is decided by the

- 1) World Bank
- 2) demand for goods/services provided by the country concerned
- 3) stability of the government of the concerned country
- 4) economic potential of the country in question

Which of the statements given above are correct?

- A. 1, 2, 3 and 4
- B. 2 and 3 only
- C. 3 and 4 only
- D. 1 and 4 only

Answer: B

Solution: Statement 1 is not correct as World Bank lend money to other governments and is not involved in deciding price of any currency in international market. Statement 2 is correct as currency depends on pricing of demand/supply of goods and services. Statement 3 is correct as currency rate also depends on countries stability. Statement 4 is not correct as currency cannot be decided based on economic conditions. We see that only statements 2 and 3 are correct, so best option is B.

23. Which of the following would include Foreign Direct Investment in India?

- 1) Subsidiaries of companies in India
- 2) Majority foreign equity holding in Indian companies
- 3) Companies exclusively financed by foreign companies
- 4) Portfolio investment

Select the correct answer using the codes given below:

- A. 1, 2, 3 and 4
- B. 2 and 4 only
- C. 1 and 3 only

D. 1, 2 and 3 only

Answer: D

Solution: Foreign direct Investment serves as investment from company or individual based in one country, into company based in another country. Statement 1 is correct as investors across world will invest in India when Government gives subsequent subsidiaries.

Statement 2 is correct as many foreign investors holds shares, equities and currencies in Indian companies. Statement 3 is correct as there are many companies in India that are exclusively financed by foreign companies. Statement 4 is incorrect as portfolio investment is not part of Foreign Direct Investment. We see that statements 1, 2 and 3 are only correct, hence correct option is D.

24. Which of the following measures would result in an increase in the money supply in the economy?

- 1) Purchase of government securities from the public by the Central Bank
 - 2) Deposit of currency in commercial banks by the public
 - 3) Borrowing by the government from the Central Bank
 - 4) Sale of government securities to the public by the Central Bank
- Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 4 only
- C. 1 and 3
- D. 2, 3 and 4

Answer: C

Solution: Money supply results when Reserve Bank pumps the money for buying government securities from Public, so we see that statement 1 is correct. Statement 2 is incorrect as while depositing money in bank by customer, the transfer of money is in between customer and commercial banks, which will not effect money supply. Statement 3 is correct as when Government borrows money from RBI, then money will flows out of Reserve Bank as new money for Government demands which finally increase money supply. Statement 4 is not correct as selling of government securities to public through bank will not result in money supply. As statements 1 and 3 are only correct, so the correct option is C.

25. Under which of the following circumstances may 'capital gains' arise?

- 1) When there is an increase in the sales of a product
- 2) When there is a natural increase in the value of the property owned
- 3) When you purchase a painting and there is a growth in its value due to increase in its popularity

Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 3 only
- C. 2 only
- D. 1, 2 and 3

Answer: B

Solution: Capital gain results due to increase in value of asset thereby giving higher value compared to purchase price. Statement 1 is not relevant as capital gain is not related to quantity of product sales.

Statement 2 is correct as capital gain also relates to natural increase in price of property owned. Statement 3 is correct as capital gain can also be applied with increasing price of painting which result due to its popularity. Hence statement 2 and 3 are correct, so correct option is B.

26. The Reserve Bank of India (RBI) acts as a bankers' bank. This would imply which of the following?

- 1) Other banks retain their deposits with the RBI.
- 2) The RBI lends funds to the commercial banks in times of need.
- 3) The RBI advises the commercial banks on monetary matters.

Select the correct answer using the codes given below:

- A. 2 and 3 only
- B. 1 and 2 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: D

Solution: Reserve Bank in India holds cash reserves of banks which lend funds to them for shorter duration along with clearing and remittance facilities, so it shows that statement 1 and 2 are correct. Statement 3 is also correct as Reserve Bank of India controls monetary policy of currency, so correct option is D.

27. Which of the following statements is/are correct regarding Brahma Samaj?

- 1) It opposed idolatry.
- 2) It denied the need for a priestly class for interpreting the religious texts.
- 3) It popularized the doctrine that the Vedas are infallible.

Select the correct answer using the codes given below:

- A. 1 only
- B. 1 and 2 only
- C. 3 only
- D. 1, 2 and 3

Answer: B

Solution: Statement 1 is correct as Brahma Samaj highlights on worship of single God, who is omnipresent while Brahma Samaj carries no vision for idol worship, animal sacrifice and ritualism. Statement 2 is correct Ram Mohan find role of priestly class in perpetuating irreligious dogmas and doctrines as being direct beneficiary. Statement 3 is incorrect as doctrine of infallibility of vedas, was not popularized by Brahma Samaj as being as reformist movement of Vedic religion, there infallibility of vedas was not accepted. So correct option is B.

28. The religion of early Vedic Aryans was primarily of

- A. Bhakti
- B. image worship and Yajnas
- C. worship of nature and Yajnas
- D. worship of nature and Bhakti

Answer: C

Solution: The religion of Early Vedic Aryans was Rig Vedic Religion who worship of forces of nature and believed in divine power such as fire, water, wind, etc. Sacrifice or Yajna was main feature of Rig Vedic Religion, so this shows that option C. is correct.

29. Lord Buddha's image is sometimes shown with the hand gesture called 'Bhumisparsha Mudra'. It symbolizes

- A. Buddha's calling of the Earth to watch over Mara and to prevent Mara from disturbing his meditation
- B. Buddha's calling of the Earth to witness his purity and chastity despite the temptations of Mara
- C. Buddha's reminder to his followers that they all arise from the Earth and finally dissolve into the Earth, and thus this life is transitory
- D. Both the statements (a) and (b) are correct in this context

Answer: B

Solution: We see that Buddha call Earth to witness his purity and chastity in spite of temptations of Mara, so Bhumisparsha gesture summon earth goddess witness Buddha hood which signifies state of enlightenment after meditating and withstanding all temptations by Mara god of evil. This description shows that both options A and C are incorrect while option B. is correct.

30. The Lahore Session of the Indian National Congress (1929) is very important in history, because

- 1) The Congress passed a resolution demanding complete independence
- 2) The rift between the extremists and moderates was resolved in that Session
- 3) A resolution was passed rejecting the two-nation theory in that Session

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 and 3
- C. 1 and 3
- D. None of the above

Answer: A

Solution: In 1929, Lahore Session of Indian National Congress is important in the history of Indian Freedom as members of INC passed the resolution in which they declare Poorna Swaraj as their main goal, so it makes statement 1 correct. Statement 2 is incorrect as Lahore Session of Indian National Congress is not related to fill gap among extremists and moderates. Statement 3 is also incorrect as 1929 Session of Indian National Congress is not concern with passing of resolution concerning rejection of two-nation theory of Non-Cooperation Movement, so correct option is A.

31. The Rowlatt Act aimed at

- A. compulsory economic support to war efforts
- B. imprisonment without trial and summary procedures for trial
- C. suppression of the Khilafat Movement
- D. imposition of restrictions on freedom of the press

Answer: B

Solution: Rowlatt Act passed in 1919 on recommendations of Rowlatt Committee appointed by British Empire in India to consider political violence, terrorism, controlling public unrest and rooting out conspiracy. The idea of introducing this act is to authorize government to imprison person without trial with all imperial authorities to deal with revolutionary activities, which shows that only option B. is correct.

32. With reference to the religious history of medieval India, the Sufi mystics were known to pursue which of the following practices?

- 1) Meditation and control of breath
 - 2) Severe ascetic exercises in a lonely place
 - 3) Recitation of holy songs to arouse a state of ecstasy in their audience
- Select the correct answer using the codes given below:

- A. 1 and 2 only
- B. 2 and 3 only
- C. 3 only
- D. 1, 2 and 3

Answer: D

Solution: Sufi believed that experiencing God can be achieved by meditation so they practiced Muraqaba makes statement 1 correct. Statement 2 is also correct as Sufis practised 40 days of ascetic exercise in some lonely place with head on ground and legs tied to branch of tree for meditation. Statement 3 is correct as Sufis recite holy songs in maintaining social equilibrium of medieval society, which makes D. as correct options.

33. How do you distinguish between Kuchipudi and Bharatanatyam dances?

- 1) Dancers occasionally speaking dialogues is found in Kuchipudi dance but not in Bharatanatyam.

2) Dancing on the brass plate by keeping the feet on its edges is a feature of Bharatanatyam but Kuchipudi dance does not have such a form of movements. 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

Answer: A

Solution: Statement 1 is correct as Kuchipudi dancers give lip movement of the song on which they are dancing along with some dialogue in the song while there appears no lip movement in Bharatanatyam dance. Statement 2 is incorrect as in Kuchipudi dance, performer dances on edges of a brass plate keeping its feet on edges and not in Bharatanatyam. Since only statement 1 is correct so best option is A.

34. With reference to Dhrupad, one of the major traditions of India that has been kept alive for centuries, which of the following statements are correct?

- 1) Dhrupad originated and developed in the Rajput kingdoms during the Mughal period.
- 2) Dhrupad is primarily a devotional and spiritual music.
- 3) Dhrupad Alap uses Sanskrit syllables from Mantras.

Select the correct answer using the codes given below:

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1, 2 and 3
- D. None of the above is correct

Answer: B

Solution: Statement 1 is not correct as Dhrupad originates during the Vedic period which gains popularity in the 16th century which praises Lord Krishna. The earliest source mentioning musical genre is Ain-i-Akbari of Abu Fazl. Statement 2 is correct as Dhrupad is Indian classical music having origin to recite Vedic hymns and mantras used for worshipping using sound. Statement 3 is correct as Dhrupad begins with free-time alap that carries two sections: Alap and Bandish where in Alap, the singer uses syllables from Sanskrit Mantras while Bandish is a poem with

Pakhawaj. As only two statements 2 and 3 are correct, so best option is B.

35. Consider the following statements:

The most effective contribution made by Dadabhai Naoroji to the cause of Indian National Movement was that he

- 1) exposed the economic exploitation of India by the British
- 2) interpreted the ancient Indian texts and restored the self-confidence of Indians
- 3) stressed the need for eradication of all the social evils before anything else

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: A

Solution: Statement 1 is correct as in 1867, Dadabhai Naoroji founded East India Association in London, a predecessor organisations of Indian National Congress that aims to put Indian economic conditions before the British. Statement 2 is not correct as Dadabhai Naoroji didn't work with ancient Indian texts. Statement 3 is also incorrect as being a social reformer and founder of Parsi Law Association, the statement test he stressed eradication of social evils before anything else will not reflect to Dadabhai Naoroji. As two statements are incorrect statement, so best option is A.

36. Other than resistance to pests, what are the prospects for which genetically engineered plants have been created?

- 1) To enable them to withstand drought
- 2) To increase the nutritive value of the produce
- 3) To enable them to grow and do photosynthesis in spaceships and space stations
- 4) To increase their shelf life

Select the correct answer using the codes given below:

- A. 1 and 2 only
- B. 3 and 4 only
- C. 1, 2 and 4 only

D. 1, 2, 3 and 4

Answer: C

Solution: There are many prospects which lead to growing of genetically engineered plants as such plants can survive in drought and will help in increasing nutritive value of produce, which shows both statement 1 and 2 are correct. Statement 3 is incorrect as genetically engineered plants have not been tested to grow and do photosynthesis on spaceships. Statement 4 is again correct as genetically engineered plants increases shell life; all three statements 1, 2 and 4 are correct, so best option is C.

37. What are the reasons for the people's resistance to the introduction of Bt brinjal in India?

- 1) Bt brinjal has been created by inserting a gene from a soil fungus into its genome.
- 2) The seeds of Bt brinjal are terminator seeds and therefore, the farmers have to buy the seeds before every season from the seed companies.
- 3) There is an apprehension that the consumption of Bt brinjal may have adverse impact on health.
- 4) There is some concern that the introduction of Bt brinjal may have adverse effect on the biodiversity.

Select the correct answer using the codes given below:

- A. 1, 2 and 3 only
- B. 2 and 3 only
- C. 3 and 4 only
- D. 1, 2, 3 and 4

Answer: C

Solution: Statement 1 is not correct as Bt brinjal is transgenic brinjal which inserts in crystal protein gene from the soil bacterium. Statement 2 is incorrect as Bt Brinjal has no appearance and features of being terminator seed. Statement 3 and 4 are correct as Bt Brinjal relates possibly an adverse impact on human health, bio-safety, livelihoods and biodiversity. So we see that statements 3 and 4 are only correct, hence best option is C.

38. Which one of the following sets of elements was primarily responsible for the origin of life on the Earth?

- A. Hydrogen, Oxygen, Sodium
- B. Carbon, Hydrogen, Nitrogen
- C. Oxygen, Calcium, Phosphorus
- D. Carbon, Hydrogen, Potassium

Answer: B

Solution: All living things need major elements of biomolecules like carbon, hydrogen, nitrogen, oxygen, phosphorus and sulphur, so only option B. will support.

39. The increasing amount of carbon dioxide in the air is slowly raising the temperature of the atmosphere, because it absorbs

- A. the water vapour of the air and retains its heat
- B. the ultraviolet part of the solar radiation
- C. all the solar radiations
- D. the infrared part of the solar radiation

Answer: D

Solution: We see that carbon dioxide controls temperature in atmosphere as its molecules in air tends to absorb infrared radiation. The carbon dioxide in atmosphere are transparent to visible radiation which delivers sun's energy to earth, so with this option D. is correct.

40. To meet its rapidly growing energy demand, some opine that India should pursue research and development on thorium as the future fuel of nuclear energy. In this context, what advantage does thorium hold over uranium?

- 1) Thorium is far more abundant in nature than uranium.
- 2) On the basis of per unit mass of mined mineral, thorium can generate more energy compared to natural uranium.
- 3) Thorium produces less harmful waste compared to uranium.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: D

Solution: Statement 1 is correct as Thorium is 4 times more abundant in nature as compared to Uranium which can be used as nuclear fuel.

Statement 2 is correct as Thorium fuel generates excess energy per unit mass as compared to uranium fuel by factor of 30. Statement 3 is also correct as Thorium generates small quantities of waste. We see that all statements are correct, so best option is D.

41. What is the provision to safeguard the autonomy of the Supreme Court of India?

- 1) While appointing the Supreme Court Judges, the President of India has to consult the Chief Justice of India.
- 2) The Supreme Court Judges can be removed by the Chief Justice of India only.
- 3) The salaries of the Judges are charged on the Consolidated Fund of India to which the legislature does not have to vote.
- 4) All appointments of officers and staffs of the Supreme Court of India are made by the Government only after consulting the Chief Justice of India.

Which of the statements given above is/are correct?

- A. 1 and 3 only
- B. 3 and 4 only
- C. 4 only
- D. 1, 2, 3 and 4

Answer: A

Solution: Statement 1 is correct as during appointment of Judges of Supreme Court, President of India needs to consult Chief Justice of India as per Article 124 (2) of Constitution but Judges apart from chief justice needs to be consulted from Chief Justice of India. Statement 2 is incorrect as Article 124 (4) described that Supreme Court Judges cannot be removed from his office by order of President which needs to be addressed by each House of Parliament that supports majority of not less than 2/3rd of members of that House with voting in similar session.

Statement 3 is correct as salaries of Judges are charged on Consolidated Fund of India which legislature needs to vote. Statement 4 is incorrect as Supreme Court Officers and Servants make different rulings, where the role of Government is actually nothing.

42. Which of the following is/are among the Fundamental Duties of citizens laid down in the Indian Constitution?

- 1) To preserve the rich heritage of our composite culture
- 2) To protect the weaker sections from social injustice
- 3) To develop the scientific temper and spirit of inquiry
- 4) To strive towards excellence in all spheres of individual and collective activity

Select the correct answer using the codes given below:

- A. 1 and 2 only
- B. 2 only
- C. 1, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: C

Solution: Statement 1 is correct as per Article 51, every citizen should, preserve the rich heritage of our composite culture with respect on ideals such as National Flag and National Anthem. Statement 2 is incorrect as protecting weaker sections from social injustice is not part of Citizens Fundamental Duties. Statements 3 and 4 are correct as Fundamental Duties of Citizen concerns with development of scientific temper and spirit of inquiry and make every effort towards excellence in all spheres of individual and collective activity, so since statements 1, 3 and 4 are correct, so best choice is C.

43. How do District Rural Development Agencies (DRDAs) help in the reduction of rural poverty in India?

- 1) DRDAs act as Panchayati Raj Institutions in certain specified backward regions of the country.
- 2) DRDAs undertake area-specific scientific study of the causes of poverty and malnutrition and prepare detailed remedial measures.
- 3) DRDAs secure inter-sectoral and inter-departmental coordination and cooperation for effective implementation of anti-poverty programmes.
- 4) DRDAs watch over and ensure effective utilization of the funds intended for anti-poverty programmes.

Which of the statements given above is/are correct?

- A. 1, 2 and 3 only
- B. 3 and 4 only
- C. 4 only
- D. 1, 2, 3 and 4

Answer: B

Solution: District Rural Development Agencies will take required measures to improve awareness about rural development and poverty alleviation among rural poor. It works with idea of monitoring and ensuring effective utilization of funds which are required for anti-poverty programmes, this states that statement 4 is correct. The concept of District Rural Development Agencies is to secure inter-sectoral and inter- departmental coordination and cooperation for lowering poverty in district, which shows that statement 3 is correct. Statement 1 is incorrect as DRDAs will coordinate with Panchayati Raj Institutions in certain specified backward regions of country. Since only two statements 3 and 4 are correct, so correct option is B.

44. A deadlock between the Lok Sabha and the Rajya Sabha calls for a joint sitting of the Parliament during the passage of

- 1) Ordinary Legislation
- 2) Money Bill
- 3) Constitution Amendment Bill

Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: A

Solution: As per Article 368, the constitution amendment bills need to be cleared by both houses. If there appears any disagreement among both the Houses of Parliament on Constitution Amendment Bill, then joint sitting of Houses of Parliament is not possible, so under such circumstance, Money Bill need to be introduced in Lok sabha on recommendations of president, so correct option is A.

45. According to the Constitution of India, it is the duty of the President of India to cause to be laid before the Parliament which of the following?

- 1) The Recommendations of the Union Finance Commission
- 2) The Report of the Public Accounts Committee
- 3) The Report of the Comptroller and Auditor General
- 4) The Report of the National Commission for Scheduled Castes

Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 4 only

- C. 1, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: C

Solution: From the above statements, statement 1 is correct as President recommends the Finance Commission. Statement 2 is correct as President lead before Parliament as per report of the Comptroller and Auditor General which is in article 151. Statement 4 is correct as NCSC is as per article 338. Statement 2 is incorrect as Public Account Committee is not there, hence correct option is C. since only statements 1, 3 & 4 are correct.

46. Consider the following:

- 1) Hotels and restaurants
- 2) Motor transport undertakings
- 3) Newspaper establishments
- 4) Private medical institutions

The employees of which of the above can have the 'Social Security' coverage under Employees' State Insurance Scheme?

- A. 1, 2 and 3 only
- B. 4 only
- C. 1, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: D

Solution: Employees' State Insurance is self-financing social security and health insurance scheme of India is integrated social security scheme which gives social protection to workers along with their dependants in areas of sickness, maternity and death. Employees' State Insurance Act applies to any establishment having atleast 10 or more employees which can a factory or manufacturing unit. Also the facilities of ESI have been extended to State Govts for shops, hotels, restaurants, cinemas, preview theatres, motors transport and newspaper having more than 10 employees, so all statements are correct making option D. as correct.

47. With reference to the Delimitation Commission, consider the following statements:

- 1) The orders of the Delimitation Commission cannot be challenged in a Court of Law.

2) When the orders of the Delimitation Commission are laid before the Lok Sabha or State Legislative Assembly, they cannot effect any modifications in the orders.

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

Answer: C

Solution: Statement 1 is correct as Delimitation Commission is a powerful body whose orders cannot be challenged in court of law. Statement 2 is also correct as when orders of Delimitation Commission laid before Lok Sabha and respective State Legislative Assemblies, then no modifications are allowed, so it is correct, so correct option is C.

48. The Prime Minister of India, at the time of his/her appointment

- A. need not necessarily be a member of one of the Houses of the Parliament but must become a member of one of the Houses within six months
- B. need not necessarily be a member of one of the Houses of the Parliament but must become a member of the Lok Sabha within six months
- C. must be a member of one of the Houses of the Parliament
- D. must be a member of the Lok Sabha

Answer: A

Solution: A prime minister before his appointment should be member of Lok Sabha or Rajya Sabha or can be a member of either of houses within six months of appointments and should not hold any office of profit under Government of India or Government of any State subject to control, so this shows that option A. is correct.

49. The endeavour of 'Janani Suraksha Yojana' Programme is

- 1) to promote institutional deliveries
- 2) to provide monetary assistance to the mother to meet the cost of delivery

3) to provide for wage loss due to pregnancy and confinement
Which of the statements given above is /are correct?

- A. 1 and 2 only
- B. 2 only
- C. 3 only
- D. 1, 2 and 3

Answer: A

Solution: Janani Suraksha Yojana (JSY) is an ambitious scheme launched under the National Rural Health Mission (NRHM), the Government of India's flagship health programme. The scheme is an intervention for safe motherhood and seeks to reduce maternal and neo-natal mortality by promoting institutional delivery, i.e. by providing a cash incentive to mothers who deliver their babies in a health facility. There is also provision for cost reimbursement for transport and incentives to Accredited Social Health Activists (ASHA) for encouraging mothers to go for institutional delivery. The scheme is fully sponsored by the Central Government and is implemented in all states and Union Territories (UTs), with special focus on low performing states. There is provision for roping in the private sector by giving accreditation to willing private hospitals/nursing homes for providing delivery services. The wage loss scheme is IGMSY. The correct answer of this question is 1 & (2). The two schemes, we have compared many times.

50. In India, other than ensuring that public funds are used efficiently and for intended purpose, what is the importance of the office of the Comptroller and Auditor General (CAG)?

- 1) CAG exercises exchequer control on behalf of the Parliament when the President of India declares national emergency/financial emergency.
- 2) CAG reports on the execution of projects or programmes by the ministries are discussed by the Public Accounts Committee.
- 3) Information from CAG reports can be used by investigating agencies to press charges against those who have violated the law while managing public finances.
- 4) While dealing with the audit and accounting of government companies, CAG has certain judicial powers for prosecuting those who violate the law.

Which of the statements given above is/are correct?

- A. 1, 3 and 4 only
- B. 2 only
- C. 2 and 3 only

D. 1, 2, 3 and 4

Answer: C

Solution: The Comptroller & Auditor General of India plays a key role in the functioning of the financial committees of Parliament and the State Legislatures. He has come to be recognised as a 'friend, philosopher and guide' of the Committee. His Reports generally form the basis of the Committees' working, although they are not precluded from examining issues not brought out in his Reports. He scrutinises the notes which the Ministries submit to the Committees and helps the Committees to check the correctness submit to the Committees and helps the Committees to check the correctness of facts and figures in their draft reports. In this question, correct statements are 2 & 3

51. The acidification of oceans is increasing. Why is this phenomenon a cause of concern?

- 1) The growth and survival of calcareous phytoplankton will be adversely affected.
- 2) The growth and survival of coral reefs will be adversely affected.
- 3) The survival of some animals that have phytoplanktonic larvae will be adversely affected.
- 4) The cloud seeding and formation of clouds will be adversely affected.

Which of the statements given above is /are correct?

- A. 1, 2 and 3 only
- B. 2 only
- C. 1 and 3 only
- D. 1, 2, 3 and 4

Answer: D

Solution: Statement 2 is correct as increasing ocean acidification will significantly reduce ability of reef-building corals to produce their skeletons. Statement 1 and 3 are correct as calcareous phytoplankton with larva will get damaged with their shells weakened, hence correct option is D.

52. Normally, the temperature decreases with the increase in height from the Earth's surface, because

- 1) the atmosphere can be heated upwards only from the Earth's surface
- 2) there is more moisture in the upper atmosphere

3) the air is less dense in the upper atmosphere
Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: A

Solution: Statement 1 is correct as temperature will decrease when height increases as the air near surface gets heated which become lighter and the higher air gets cools and becomes heavy. Statement 2 and 3 are not correct as water vapour forming 1% of air varies in troposphere and will decrease fast with altitude, hence correct option is A. since only statement 1 is correct.

53. When you travel in Himalayas, you will see the following:

- 1) Deep gorges
- 2) U-turn river courses
- 3) Parallel mountain ranges
- 4) Steep gradients causing land-sliding

Which of the above can be said to be the evidences for Himalayas being young fold mountains?

- A. 1 and 2 only
- B. 1, 2 and 4 only
- C. 3 and 4 only
- D. 1, 2, 3 and 4

Answer: D

Solution: Fold mountains results from collision among landmasses which makes point of collision to rise high and forms a mountain.

Himalayas are folded mountains as they are formed by folding of rocks along the edges of continents due to force, pressure and collision. Further High Himalayas have rivers with steep gradients that appears from differential uplift of Himalayas where parallel ridges are located, so this makes 1, 2, 3 & 4 correct, hence option D. is correct.

54. Consider the following crops of India:

- 1) Groundnut

- 2) Sesamum
- 3) Pearl millet

Which of the above is/are predominantly rain fed crop/crops?

- A. 1 and 2 only
- B. 2 and 3 only
- C. 3 only
- D. 1, 2 and 3

Answer: D

Solution: Sesamum is rainfed crop which is grown on marginal, dry and slopy lands, so it is correct. It is noted that maximum area sown to groundnuts in India is rainfed which depends on summer monsoon rainfall, so is also correct. There are many rainfed cereals in India such as sorghum , pearl millet, Finger Millet, so it is also correct, hence correct option is D.

55. With reference to the wetlands of India, consider the following statements:

- 1) The country's total geographical area under the category of wetlands is recorded more in Gujarat as compared to other States.
- 2) In India, the total geographical area of coastal wetlands is larger than that of inland wetlands.

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

Answer: A

Solution: Gujarat comes on top among largest amount of landmass identified as wetlands as compared to other Indian states. It accounts for 17.56% of state's geographic area as wetland as per National Wetland Atlas, so statement 1 is correct. Statement 2 is incorrect as from the table shown, we see that total geographical area of coastal wetlands which is 25% is less as compared to 43% area of inland wetlands.

56. Consider the following factors:

- 1) Rotation of the Earth

- 2) Air pressure and wind
- 3) Density of ocean water
- 4) Revolution of the Earth

Which of the above factors influence the ocean currents?

- A. 1 and 2 only
- B. 1, 2 and 3
- C. 1 and 4
- D. 2, 3 and 4

Answer: B

Solution: Ocean currents are caused due to wind, density differences in water masses, gravity, and events such as earthquakes. They are equivalent to winds in atmosphere where transfer of heat from Earth's rotation appears, so statements 1, 2 and 3 are correct, hence option B. is correct.

57. Consider the following crops of India:

- 1) Cowpea
- 2) Green gram
- 3) Pigeon pea

Which of the above is/are used as pulse, fodder and green manure?

- A. 1 and 2 only
- B. 2 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: D

Solution: Cowpea is a kharif crop which is used as pulse, fodder and green manure crop, so 1 is correct. Green gram is a pulse crop which is rich in proteins, which is also used as pulse, fodder and green manure crop, so 2 is also correct. Pigeon pea is a food crop which is used as cover crop, green manure, inter crop etc, hence it is correct, so the best option is D.

58.A. particular State in India has the following characteristics:

- 1) It is located on the same latitude which passes through northern Rajasthan.
- 2) It has over 80% of its area under forest cover.

3) Over 12% of forest cover constitutes Protected Area Network in this State. Which one among the following States has all the above characteristics?

- A. Arunachal Pradesh
- B. Assam
- C. Himachal Pradesh
- D. Uttarakhand

Answer: A

Solution: Himachal Pradesh is located at north of Rajasthan at different latitude, so it is incorrect. Option A. is correct as Arunachal Pradesh lies on similar latitude with more than 70% area under forest with 15% of the total forest cover being protected by Department of Environment and Forests, which was declared as Protected Area. Hence option A. is correct.

59. Which of the following is the chief characteristic of 'mixed farming'?

- A. Cultivation of both cash crops and food crops
- B. Cultivation of two or more crops in the same field
- C. Rearing of animals and cultivation of crops together
- D. None of the above

Answer: C

Solution: Mixed farming featured cultivation of crops with domestication of animals which together generates income, which makes statement C. correct. Mixed farming involves cultivation of arable crops like wheat, barley, oats or rye along with industrial crops like sugar beet, hops, tobacco or flax, which makes statement A. incorrect. In mixed farming crop along with animal is done on similar piece of land, so option B. is incorrect.

60. Government of India encourages the cultivation of 'sea buckthorn'. What is the importance of this plant?

- 1) It helps in controlling soil erosion and in preventing desertification.
- 2) It is a rich source of biodiesel.
- 3) It has nutritional value and is well-adapted to live in cold areas of high altitudes.
- 4) Its timber is of great commercial value.

Which of the statements given above is /are correct?

- A. 1 only
- B. 2, 3 and 4 only
- C. 1 and 3 only
- D. 1, 2, 3 and 4

Answer: D

Solution: It is a plant which grows near sandy soil along the rivers. The shrubs are used for soil and water conservation. It is applied for natural medicine with its harvested fruit containing acid. It is rich in vitamins C., A., and E with high commercial values, so option D. is correct.

61. Which of the following provisions of the Constitution of India have a bearing on Education?

- 1) Directive Principles of State Policy
- 2) Rural and Urban Local Bodies
- 3) Fifth Schedule
- 4) Sixth Schedule
- 5) Seventh Schedule

Select the correct answer using the codes given below:

- A. 1 and 2 only
- B. 3, 4 and 5 only
- C. 1, 2 and 5 only
- D. 1, 2, 3, 4 and 5

Answer: D

Solution: It is seen that Preamble of Constitution of India declares concept of justice, equality of status and opportunity and dignity of individual along with education provisions having bearing on education in Fifth, Six and seventh Schedule along with Fundamental Rights, Directive Principles of State Policy, Fundamental Duties, Rural & Urban Local Bodies, Scheduled & Tribal Areas and Centre-State Relations, which makes option D. correct.

62. In India, in the overall Index of Industrial Production, the Indices of Eight Core Industries have a combined weight of 37.90%. Which of the following are among those Eight Core Industries?

- 1) Cement
- 2) Fertilizers
- 3) Natural gas

4) Refinery products

5) Textiles

Select the correct answer using the codes given below:

A. 1 and 5 only

B. 2, 3 and 4 only

C. 1, 2, 3 and 4 only

D. 1, 2, 3, 4 and 5

Answer: C

Solution: Eight Core Industries has 38 % weight of items in Index of Industrial Production. Among the following options, the Eight Core Industries are Cement, Fertilizers, Natural gas and Refinery products which is option C.

63. Consider the following specific stages of demographic transition associated with economic development:

1) Low birthrate with low death rate

2) High birthrate with high death rate

3) High birthrate with low death rate

Select the correct order of the above stages using the codes given below:

A. 1, 2, 3

B. 2, 1, 3

C. 2, 3, 1

D. 3, 2, 1

Answer: C

Solution: Economic Development relates to better living conditions with detail on low birth rate and low death rate. It is found that for good demographic transition due to lowering of birth rate, death rate, total fertility rate and infant mortality rate. So the correct order could be High birth-rate with high death rate, High birth-rate with low death rate and Low birth-rate with low death rate, so it will be option C.

64. With reference to Ryotwari Settlement, consider the following statements:

1) The rent was paid directly by the peasants to the Government.

2) The Government gave Pattas to the Ryots.

3) The lands were surveyed and assessed before being taxed.
Which of the statements given above is/are correct?

- A. 1 only
- B. 1 and 2 only
- C. 1, 2 and 3
- D. None

Answer: C

Solution: The Ryotwari Settlement concerns with annual agreements which was made among cultivators for sake of Pattas. Further it is noticed that Government was Landlord and peasants were Land Owners which possess patta by paying annual cash rents, making statements 1 and 2 correct. Statement 3 is also correct as and revenue was assessed as per fertility of land where average assessment in cash would be Re. 1/acre.

We noted that since all three statements are correct, so correct option is C.

65. Mahatma Gandhi undertook fast unto death in 1932, mainly because

- A. Round Table Conference failed to satisfy Indian political aspirations
- B. Congress and Muslim League had differences of opinion
- C. Ramsay Macdonald announced the Communal Award
- D. None of the statements (a), (b) and (c) given above is correct in this context

Answer: C

Solution: Mahatma Gandhi undertook fast unto death in 1932 as Ramsay Macdonald declared Communal Award in 1932 which concerns with reservation of seats for Depressed Classes along with Muslims and Sikhs communities, which makes option C. correct.

66. Which of the following are the methods of Parliamentary control over public finance in India?

- 1) Placing Annual Financial Statement before the Parliament
- 2) Withdrawal of moneys from Consolidated Fund of India only after passing the Appropriation Bill
- 3) Provisions of supplementary grants and vote-on-account
- 4) A periodic or at least a mid-year review of programme of the Government against macroeconomic forecasts and expenditure by a

Parliamentary Budget Office

5) Introducing Finance Bill in the Parliament

Select the correct answer using the codes given below:

- A. 1, 2, 3 and 5 only
- B. 1, 2 and 4 only
- C. 3, 4 and 5 only
- D. 1, 2, 3, 4 and 5

Answer: A

Solution: As per the constitution of India, statements 1, 2, 3 and 5 are correct. Statement 4 is also correct as programme of Government against macroeconomic forecasts and expenditure is not Parliamentary Budget Office that is as per provisions of Fiscal Responsibility and Budget Management. This act requires that review in trend of receipts and expenditure to be undertaken in relation to the budget on a quarterly basis.

67. What is/are the recent policy initiative(s) of Government of India to promote the growth of manufacturing sector?

- 1) Setting up of National Investment and Manufacturing Zones
- 2) Providing the benefit of 'single window clearance'
- 3) Establishing the Technology Acquisition and Development Fund

Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: D

Solution: To promote the growth of manufacturing sector in India, the Government needs to set National Investment and Manufacturing Zones and should provide work at single platform. Government should keep separate fund for promotion of manufacturing sector, hence all three statements are correct, so correct option is D.

68. Which of the following is /are among the noticeable features of the recommendations of the Thirteenth Finance Commission?

- 1) A design for the Goods and Services Tax, and a compensation package

linked to adherence to the proposed design

2) A design for the creation of lakhs of jobs in the next ten years in consonance with India's demographic dividend

3) Devolution of a specified share of central taxes to local bodies as grants

Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: C

Solution ||| Statement 1 is correct as 13th Finance Commission detailed about the design for Goods and Services Tax. Statement 2 is not correct as 13th Finance Commission Report explains about enhanced implementation of existing schemes. Statement 3 is correct as 13th Finance Commission Report mentioning demand of local bodies for benefit from central taxes and supplementing resources of panchayats by grants- in-aid. Since statements 1 and 3 are correct, so correct option is C.

69. The Multi-dimensional Poverty Index developed by Oxford Poverty and Human Development Initiative with UNDP support covers which of the following?

- 1) Deprivation of education, health, assets and services at household level
- 2) Purchasing power parity at national level
- 3) Extent of budget deficit and GDP growth rate at national level

Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: A

Solution: The idea behind Human Development Index created by Oxford Poverty and Human Development Initiative with UNDP support basically to find Standard of living which was shown by natural logarithm of gross domestic product per capita at purchasing power parity. This index measures standard of living based on deprivation of Cooking fuel,

Toilet, Water, Electricity, Floor, Assets, which makes only statement 1 as correct, hence option A. is correct.

70. How does the National Rural Livelihood Mission seek to improve livelihood options of rural poor?

- 1) By setting up a large number of new manufacturing industries and agribusiness centres in rural areas
- 2) By strengthening 'self-help groups' and providing skill development
- 3) By supplying seeds, fertilizers, diesel pump-sets and micro-irrigation equipment free of cost to farmers

Select the correct answer using the codes given below:

- A. 1 and 2 only
- B. 2 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: B

Solution: The idea of National Rural Livelihood Mission is to lower poverty among rural by strengthening 'self-help groups' and arranges skill development, promoting self-employment, opportunities for wage employment leading to sufficient income, which makes option B. correct.

71. Which of the following special powers have been conferred on the Rajya Sabha by the Constitution of India?

- A. To change the existing territory of a State and to change the name of a State
- B. To pass a resolution empowering the Parliament to make laws in the State List and to create one or more All India Services
- C. To amend the election procedure of the President and to determine the pension of the President after his/her retirement
- D. To determine the functions of the Election Commission and to determine the number of Election Commissioners

Answer: B

Solution: The Constitution of India grants some special powers to Rajya Sabha which lead to passing of resolution empowering Parliament to frame laws in State List is correct while creations of one of more All India Services is also correct, so option B. is correct.

72. Which of the following parties were established by Dr. B.R. Ambedkar?

- 1) Peasants and Workers Party of India
- 2) All India Scheduled Castes Federation
- 3) The Independent Labour Party

Select the correct answer using the codes given below:

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: B

Solution: Statement 1 is incorrect as Peasants and Workers Party of India founded in 1947, in Maharashtra by Tulsidas Jadhav, Keshavrao Jedhe and others. Statement 2 is correct as All India Scheduled Castes Federation which comprised mainly of Scheduled Castes was founded by Dr. Ambedkar at Nagpur. Statement 3 is correct as Scheduled Castes Federation is a successor party of Independent Labour Party led by Ambedkar.

73. During Indian freedom struggle, the National Social Conference was formed. What was the reason for its formation?

- A. Different social reform groups or organizations of Bengal region united to form a single body to discuss the issues of larger interest and to prepare appropriate petitions/representations to the government.
- B. Indian National Congress did not want to include social reforms in its deliberations and decided to form a separate body for such a purpose
- C. Behramji Malabari and M. G. Ranade decided to bring together all the social reform groups of the country under one organization
- D. None of the statements (a), (b) and (c) given above is correct in this context

Answer: B

Solution: Statement 1 is incorrect as “appropriate petitions/representations” were political functions which was not part of National Social Conference. Statement 2 is correct as Congress in 1885 in Bombay, R. Raghunath Rao and M G Ranade addresses congress on social reforms. Statement 3 shows that the objective of National Social

Conference leads to strengthening of reform by bringing together every representatives of associations, while names in the option given are not supportive as Behram Ji and Malabari were involved in Infant Marriage and Enforced Widowhood, hence it is incorrect. So, the correct option is B..

74. Which of the following is/are the principal feature(s) of the Government of India Act, 1919?

- 1) Introduction of diarchy in the executive government of the provinces
 - 2) Introduction of separate communal electorates for Muslims
 - 3) Devolution of legislative authority by the centre to the provinces
- Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: C

Solution: Statement 1 is correct as system of Dyarchy was introduced in provinces where provincial subjects were divided in Reserved and Transferred. Statement 2 is not correct as first statutory recognition of separate electorates for Muslims was covered in Act of 1909 and not in 1919. Statement 3 is correct as the Act 1919 gave legislative powers to provinces for framing rules for devolution of authority among Centre and Provinces with prohibition on judicial powers. Hence correct statements are 1 & 3 which makes option C. correct.

75. With reference to National Rural Health Mission, which of the following are the jobs of Asha, a trained community health worker?

- 1) Accompanying women to the health facility for antenatal care checkups
- 2) Using pregnancy test kits for early detection of pregnancy
- 3) Providing information on nutrition and immunization
- 4) Conducting the delivery of baby

Select the correct answer using the codes given below:

- A. 1, 2 and 3 only
- B. 2 and 4 only
- C. 1 and 3 only
- D. 1, 2, 3 and 4

Answer: C

Solution: National Rural Health Mission under trained female community health activist ASHA will be trained to work among community and public health system. The idea is to create awareness and give information to female community on health related to proper diet, nutrition, sanitation, healthy living which makes statement 1 and 3 correct. Statement 2 is also correct as detection of pregnancy with pregnancy test kit is not work of ASHA, but Government introduces rapid home pregnancy test kit to check for pregnancy which is made available across all rural areas. Statement 4 is not correct as delivery of babies is not the work of ASHA, hence option C. is only correct.

76. The Congress ministries resigned in the seven provinces in 1939, because

- A. the Congress could not form ministries in the other four provinces
- B. emergence of a left wing in the Congress made the working of the ministries impossible
- C. there were widespread communal disturbances in their provinces
- D. None of the above statements (a), (b) and (c) given above is correct

Answer: D

Solution: When Viceroy Linlithgow declared war of India with Germany on 3rd September 1939, then Congress strongly objected for war without prior consultation with Indians. So all members of Congress party decided to resign from provincial and central offices. With this option D. is correct while other options A., b and c are incorrect.

77. The Nagara, the Dravida and the Vesara are the

- A. three main racial groups of the Indian subcontinent
- B. three main linguistic divisions into which the languages of India can be classified
- C. three main styles of Indian temple architecture
- D. three main musical Gharanas prevalent in India

Answer: C

Solution: Nagara, Dravida and Vesara are three main temple architecture styles in India, so option C. is correct.

78. Which of the following can be said to be essentially the parts of Inclusive Governance?

- 1 Permitting the Non-Banking Financial Companies to do banking
- 2 Establishing effective District Planning Committees in all the districts
- 3 Increasing the government spending on public health
- 4 Strengthening the Mid-day Meal Scheme

Select the correct answers using the codes given below:

- A. 1 and 2 only
- B. 3 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: C

Solution: Inclusive governance encourages development of agriculture, education, health and social welfare through government funding resulting in fast and sustainable growth. Now considering statement 2, we see in last many years, Government laid various steps in strengthening district to plan by funding by introducing certain programmes involving Sarva Shiksha Abhiyan, National Rural Health Mission, District level Plans etc. Village panchayat through rural programmes plans and execute programmes using certain agencies and programmes in urban development plans were executed by Central Government funds, which is correct. Also we see that statements 3 & 4 are correct, while statement 1 is incorrect as Inclusive governance cannot force financial institution to do banking, so correct option is C.

79. With reference to the history of ancient India, which of the following was/were common to both Buddhism and Jainism?

- 1) Avoidance of extremities of penance and enjoyment
- 2) Indifference to the authority of the Vedas
- 3) Denial of efficacy of rituals

Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: B

Solution: Statement 2 and 3 are correct as Jainism and Buddha rejected the authority of Vedas and efficacy of Vedic rites and denied authority of Vedas and need of sacrifices and rituals, hence correct option is B.

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80. With reference to the scientific progress of ancient India, which of the statements given below are correct?

- 1) Different kind of specialized surgical instrument were in common use by 1st century AD.
- 2) Transplant of internal organs in the human body had begun by the beginning of 3rd century AD.
- 3) The concept of sine of an angle was known in 5th century AD.
- 4) The concept of cyclic quadrilaterals was known in 7th century AD.

Select the correct answer using the codes given below:

- A. 1 and 2 only
- B. 3 and 4 only
- C. 1, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: C

Solution: Statement 1 is correct as in ancient India, Sushrut, first surgeon used S type and U type surgical instruments which worked out in BC which was prior to 1st century AD. Statement 2 is incorrect as transplanting of organs in human body was started at the time of Sushruta in 1st century AD where from flaps of nose skins, he replaced other parts. Statement 3 is correct as sine of an angle was known in 5th century AD by Aryabhata's Surya Siddhanta. Statement 4 is correct as idea of cyclic quadrilaterals in 7th century AD was analysed by Brahamgupta. Hence since three statements are correct 1, 3 and 4, so correct option is C.

81. Electrically charged particles from space travelling at speed of several hundred km/sec can severely harm living beings if they reach the surface of the earth. What prevents them from reaching the surface of the Earth?

- A. The earth's magnetic field diverts them towards its poles
- B. Ozone layer around the Earth reflects them back to outer space
- C. Moisture in the upper layers of atmosphere prevents them from reaching the surface of the Earth.
- D. None of the statements (a), (b) and (c) given above are correct.

Answer: A

Solution: Electrically charged particles while travelling at much higher speed from space cannot reach to Earth's surface because of Earth's magnetic field which diverts such particles towards its poles, so this shows that option A. is correct.

82. Which of the following is/are cited by the scientists as evidence/evidences for the continued expansion of universe?

- 1) Detection of microwaves in space
- 2) Observation of redshift phenomenon in space
- 3) Movement of asteroids in space
- 4) Occurrence of supernova explosions in space

Select the correct answer using the codes given below:

- A. 1 and 2
- B. 2 only
- C. 1, 3 and 4
- D. None of the above can be cited as evidence

Answer: A

Solution: It is noted that Redshifts in spectral lines of distant stars initially was observed in 1926 attributed as phenomenon to expansion of universe, so statement 2 is correct. In 1963, while working on satellite designed two scientists realised microwaves which they tested through satellite's antenna and found mysterious microwaves, so statement 1 is correct. Statement 4 is incorrect as supernova explosions helped astronomers to find distance of galaxy and redshift of it, hence correct option is A.

83. A team of scientists at Brookhaven National Laboratory included those from India created the heaviest anti-matter (anti-helium nucleus). What is/are the implication/implications of the creation of anti-matter?

- 1) It will make mineral prospecting and oil exploration easier and cheaper.
- 2) It will help prove the possibility of the existence of stars and galaxies made of anti-matter.
- 3) It will help understand the evolution of the universe.

Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 3 only

- C. 3 only
- D. 1, 2 and 3

Answer: D

Solution: Antimatter is a material having similar mass as particles of ordinary matter with opposite charges. Anti-helium nucleus makes mineral prospecting and simple oil exploration which often reflects that existence of stars and galaxies are probably by anti-matter which helps in understanding evolution of the universe, so it makes all three statements correct, so correct option is D.

84. Consider the following statements:

Chlorofluorocarbons, known as ozone depleting substances, are used

- 1) in the production of plastic foams
- 2) in the production of tubeless tyres
- 3) in cleaning certain electronic components
- 4) as pressurizing agent in aerosol cans

which of the statement given above is/are correct?

- A. 1, 2 and 3 only
- B. 4 only
- C. 1, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: C

Solution: A chlorofluorocarbon is an organic compound typically consisting of chlorine, fluorine, carbon, and hydrogen. They are typically used in foam blowing, precision cleaning, air conditioning, refrigeration, propellants and pressurizing agent in aerosol cans. We see that only statement 2 is incorrect as chlorofluorocarbon doesn't involve in production of tubeless tyres, while statements 1, 3 and 4 are correct, so correct option is C.

85. With reference to stem cells frequently in the news, which of the following statements is/are correct?

- 1) Stem cells can be derived from mammals only.
- 2) Stem cells can be used for screening new drugs.
- 3) Stem cells can be used for medical therapies

Select the correct answer using the codes given below:

- A. 1 and 2 only
- B. 2 and 3 only
- C. 3 only
- D. 1, 2 and 3

Answer: B

Solution: Stem cells are mother cells found in multicellular organisms which can differentiate into specialized cells that divides to produce more stem cells. It can easily repair and replace tissue in human body since these cells have power to heal. These are unprogrammed cells known as pluripotent stem cells that begins with embryo and specialised to creates bone, muscle, skin, heart, brain specialized cells. We see that statement 1 is incorrect as Stem cells are not only derived from mammals, while statements 2 and 3 are correct, so correct option is B.

86. Lead, ingested or inhaled, is a health hazard. After the addition of lead to petrol has been banned, what still are the sources of lead poisoning?

- 1) Smelting units
- 2) Pens and pencils
- 3) Paints
- 4) Hair oil and cosmetics

Select the correct answer using the codes given below:

- A. 1, 2 and 3 only
- B. 1 and 3 only
- C. 2 and 4 only
- D. 1, 2, 3 and 4

Answer: A

Solution: Lead poisoning result from presence of lead in the body as it is highly toxic metal which acts as strong poison. It is present in lead enamel paints and toys. Apart from this there are various sources of lead like bullets, curtain weights, pipes, sink faucets, paint sets, art supplies, jewellery, pottery, storage batteries, old medicines. This description shows that lead is present as mentioned in statement 1, 2 and 3 and not in 4, so correct option is A..

87. Graphene is frequently in news recently. What is its importance?

- 1) It is a two-dimensional material and has good electrical conductivity.
- 2) It is one of the thinnest but strongest materials tested so far.

- 3) It is entirely made of silicon and has high optical transparency.
4) It can be used as conducting electrodes required for touch screens, LCDs and organic LEDs.

Which of the statements given above are correct?

- A. 1 and 2 only
B. 3 and 4 only
C. 1, 2 and 4 only
D. 1, 2, 3 and 4

Answer: C

Solution: Graphene is carbon allotrope with single atomic layer of graphite having tightly bond carbon atoms. Due to hybridisation and very thin atomic thickness, graphene has high strength and has high heat and electricity conductivity. It is an alternative to indium tin oxide which can be applied as transparent conducting electrodes. From this description, we see that statements 1, 2 and 4 are only correct while statement 3 is incorrect, so correct option is C.

88. What is the role of ultraviolet (UV) radiation in the water purification systems?

- 1 It inactivates/kills the harmful microorganisms in water. 2 It removes all the undesirable odours from the water.
3 It quickens the sedimentation of solid particles, removes turbidity and improves the clarity of water.

Which of the statements given above is/are correct?

- A. 1 only
B. 2 and 3 only
C. 1 and 3 only
D. 1, 2 and 3

Answer: A

Solution: Ultraviolet radiations are used in purification of water as it provides safe solution for chlorine-resistant microorganisms that causes thousands of health diseases as with this, the frequency of killing micro-organisms will be around 254 nanometers. It does not remove any contaminants from water like metals, salts, chlorine or pharmaceuticals and will result in changing the taste, odour or colour of water. It shows that statement 1 is correct while both statements 2 and 3 are incorrect, so correct option is A.

89. Biomass gasification is considered to be one of the sustainable solutions to the power crisis in India. In this context, which of the following statements is/are correct?

- 1) Coconut shells, groundnut shells and rice husk can be used in biomass gasification.
- 2) The combustible gases generated from biomass gasification consist of hydrogen and carbon dioxide only.
- 3) The combustible gases generated from biomass gasification can be used for direct heat generation but not in internal combustion engines. Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: A

Solution: Biomass gasification involves process where solid biomass fuel gets converted into gaseous combustible gas by thermo-chemical reactions which can be used to provide electricity. In this, heating of biomass in limited air will generate energy rich gases which supply heat in order to run engines and generators. Biomass materials applied for generating power include bagasse, rice husk, straw, coconut shells, de-oiled cakes, coffee waste, jute wastes, groundnut shells, saw dust etc.

From this, we see that only statement 1 is correct, while statements 2 and 3 are incorrect.

90. Consider the following kinds of organisms:

- 1) Bacteria
- 2) Fungi
- 3) Flowering Plants

Some species of which of the above kinds of organisms are employed as biopesticides?

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: D

Solution: Biopesticides are naturally occurring substances obtained from natural materials like animals, flowering plants, bacteria and minerals, so option D. is correct.

91. Which of the following are included in the original jurisdiction of the Supreme Court?

- 1) A dispute between the Government of India and one or more states
- 2) A dispute regarding elections to either Houses of the Parliament or that of Legislature of a state
- 3) A dispute between the Government of India and a Union Territory
- 4) A dispute between two or more states

Select the correct answer using the codes given below:

- A. 1 and 2
- B. 2 and 3
- C. 1 and 4
- D. 3 and 4

Answer: C

Solution: Subject to provisions of constitution, Supreme Court have original jurisdiction in related to dispute matter existing among

- Government of India with one or more states
- Government of India and any state or one or more other states
- Two or more states

It shows that statements 1 and 4 are only correct, hence correct option is C..

92. Regarding the office of the Lok Sabha Speaker, consider the following statements:

- 1) He/she holds the office during the pleasure of the President.
- 2) He/she need not be a member of the House at the time of his/her election but has to become a member of the House within six months from the date of his/her election.
- 3) If he/she intends to resign, the letter of his/her resignation has to be addressed to the Deputy Speaker.

Which of the statements given above is/are correct?

- A. 1 and 2 only
- B. 3 only
- C. 1, 2 and 3
- D. None

Answer: B

Solution: Statement 1 is incorrect as position of the Speaker is very important in the House so the Speaker has to precede during President, Vice-President and Prime Minister. Statement 2 is incorrect as in lower house of parliament; the Speaker gets elected from among its members through simple majority by presenting and voting in the House.

Statement 3 is correct as Speaker may resign from his/her office by writing under her hand to Deputy Speaker. Hence option B. is incorrect.

93. With reference to consumers rights/privileges under the provisions of law in India, which of the following statements is/are correct?

- 1) Consumers are empowered to take samples for food testing.
- 2) When a consumer files a complaint in any consumer forum, no fee is required to be paid.
- 3) In case of death of a consumer, his/her legal heir can file a complaint in the consumer forum on his/her behalf.

Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: C

Solution: Statement 1 is correct as consumers rights under the provisions of law in India, allow customer to test food samples as part of health security. Statement 2 is not correct as for filing any complaint on consumer forum, you need to spend some money. Statement 3 is very much correct as filing any complaint, consumers his/her legal heir has right to file complaint on behalf of consumer. Hence C. is correct option.

94. Consider the following statements:

- 1) Union Territories are not represented in the Rajya Sabha
- 2) It is within the purview of the Chief Election Commission to adjudicate the election disputed.
- 3) According to the Constitution of India, the Parliament consists of the Lok Sabha and the Rajya Sabha only.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 and 3

- C. 1 and 3
- D. None

Answer: D

Solution: Statement 1 is incorrect UTs Delhi and Pudducherry having legislative assemblies are represented in Rajya Sabha.

Statement 3 is not correct as Parliament comprises of President, Council of State (Rajya Sabha) and House of People (Lok Sabha).

Statement 2 is also incorrect, as Chief Election Commission himself cannot pass any judgment related to election disputed. As all statements mentioned are incorrect, so correct option is D.

95. Consider the following provisions under the Directive Principles of State Policy as enshrined in the Constitution of India:

(1). Securing the citizens of India a uniform civil code (2).

Organizing village Panchayats

(3). Promoting cottage industries in rural areas

(4). Securing for all the workers reasonable leisure and cultural opportunities.

Which of the above are the Gandhian Principles that are reflected in the Directive Principles of State Policy?

- A. 1, 2 and 4 only
- B. 2 and 3 only
- C. 1, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: B

Solution: Directive Principles as described in Part IV, Article 36-51 of Indian Constitution are for State to be followed in matters related to administration and framing state laws. Gandhian Principles in Articles 40, 43, 47 and 48 laid by Mahatma Gandhi for State to take steps for framers related to:

- 1). organizing village panchayats by giving powers and authority to work as self-government
- 2). promoting cottage industries on individual or co-operative basis
- 3). ban on consumption of intoxicated and injurious drinks and drugs
- 4). promoting educational and economic activities for poor
- 5). organizing agricultural and animal husbandry on required guidelines
- 6). prohibiting slaughter of cows and cattle

7). protecting and advancing environment and safeguard forests and wild life

8). protect, conserve and maintain historic places 9).

separate judiciary from executive

From the above description statements 2 and 3 are correct, hence correct option is B.

96. If National Water Mission is properly and completely implemented, how will it impact the country?

(1). Part of the water needs of urban areas will be met through recycling of waste water.

(2). The water requirement of coastal cities with inadequate alternative sources of water will be met by adopting appropriate technologies that allow for use of ocean water.

(3). All the rivers of Himalayan origin will be linked to the rivers of peninsular India.

(4). The expenses incurred by farmers for digging bore wells and for installing motors and pump sets to draw groundwater will be completely reimbursed by the Government.

Select the correct answer using the codes given below:

A. 1 only

B. 1 and 2 only

C. 3 and 4 only

D. 1, 2, 3 and 4

Answer: B

Solution: National Water Mission is mainly related to water conservation, lowering of wastage and deals with idea of supply clean water distribution across States using integrated water resources development and management. If the mission of National Water Commission is fully workable, then citizens of India will get maximum purified water after recycling waste water. Further the mission of Nation Water Commission is to make use of sea water through process of Reverse Osmosis so that maximum water can be supplied. This description relates that both statements 1 and 2 are correct. Also statement 3 and 4 are incorrect as mission of National Water Commission is not to link any rivers nor involved any activities related to farming by providing water through pumpset and boring. Hence option B. is correct.

97. The National Green Tribunal Act, 2010 was enacted in consonance with which of the following provisions of the Constitution of India?

- (1). Right to healthy environment, construed as a part of Right to life under Article 21
 - (2). Provision of grants for raising the level of administration in the Scheduled Areas for the welfare of Scheduled Tribes under section 275 (1)
 - (3). Powers and functions of Gram Sabha as mentioned under Article 243 (A.)
- Select the correct answer using the codes given below:

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3 only

Answer: A

Solution: National Green Tribunal Act, 2010 under the Parliament Act allows creation of special tribunal that can take care of expeditious disposal of cases related to environmental issues which after getting inspiration from Indian constitution under Article 21 frames that citizen of India has a right to enjoy healthy environment. This description clearly defines that statement 1 is correct. Statement 2 “ Provision of grants for raising the level of administration in the Scheduled Areas for the welfare of Scheduled Tribes under section 275 (1)” and statement 3 “Powers and functions of Gram Sabha as mentioned under Article 243 (A.)” are not correct as National Green Tribunal Act, 2010 has no relation with these statements, hence option A. is correct.

98. How does National Biodiversity Authority (NBA) help in protecting the Indian agriculture?

- (1). NBA checks the biopiracy and protects the indigenous and traditional genetic resources.
 - (2). NBA directly monitors and supervises the scientific research on genetic modification of crop plants.
 - (3). Application for Intellectual Property Rights related to genetic/biological resources cannot be made without the approval of NBA.
- Which of the statements given is/are correct?

- A. 1 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3 only

Answer: C

Solution: NBA on advice of Central Government helps in conservation of biodiversity and put efforts in saving Indian agriculture by involving in examination of biopiracy and controls the genetic/biological resources by cross examination of its Intellectual Property Rights, so0 with this we see that both statements 1 and 3 are correct, hence C. is correct option.

99. In the Parliament of India, the purpose of an adjournment motion is

- A. To allow a discussion on a definite matter of urgent public importance
- B. To let opposition members collect information from the ministers
- C. To allow a reduction of specific amount in demand for grant
- D. To postpone the proceedings to check the inappropriate or violent behaviour on the part of some members

Answer: A

Solution: Adjournment motion is introduced in the parliament which serves as exceptional procedure which leads to discuss definite matter of urgent public importance thereby requiring support of atleast 50 members, which says that option A. is correct. Option B. is incorrect as adjournment motion is not related to collection of information about ministers. Option C. and D. are also incorrect as adjournment motion are not concern with reduction of specific amount in demand for grant nor involved in extending proceedings in order to check behaviour of members

100. In the areas covered under the Panchayat (Extension to the Scheduled Areas) Act, 1996, what is the role/power of Gram Sabha? (1). Gram Sabha has the power to prevent alienation of land in the Scheduled Areas.

(2). Gram Sabha has the ownership of minor forest produce.

(3). Recommendation of Gram Sabha is required for granting prospecting licence or mining lease for any mineral in the Scheduled Areas.

Which of the statements given above is/are correct?

- A. 1 only
- B. 1 and 2 only
- C. 2 and 3 only
- D. 1, 2 and 3

Answer: B

Solution: Panchayat Extension to Scheduled Areas (PESA) Act in 1996 was principally introduced to give self rule authority to tribal people so that they can govern themselves with their resources. Under Panchayat Extension to Scheduled Areas (PESA) Act, Gram Sabhas will compulsory performs executive functions which lead to finalization of plans for village Panchayats, arranging good schemes, certificates related to utilization of funds, power related to land acquisition, managing village markets, control money lending an ownership of minor forest produce. This description shows that both statements 1 and 2 are correct while 3 is not valid, so correct option is B.

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