

Q1) Consider the following statements

- 1) A niche is a description of all the biological, physical and chemical factors that species need to survive, stay healthy and reproduce.
- 2) Reproductive niche involves the principle of 'how and when' it reproduces.
- 3) Two species have identical niches.

Which of the above statements is/are correct?

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

Q2) Historical climate change agreement has been sanctioned at UNFCCC Paris conference. Consider the following statements.

- 1) The agreement resolves to hold temperature rise to well below 2 degree Celsius and pursue efforts towards reducing it to 1.5 degree
- 2) For every five year, states must put forward contribution more ambitious than their last determined contribution.
- 3) The agreement envisages global 'stocktake' which will be based on the principle of equality.
- 4) A punishable amount will be recovered from the country which will not complete its target.

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

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

Q3) Consider the following sentences

- 1) Forest survey of India is an autonomous Non government organization set at New Delhi.
- 2) Geographical area under 'open forest' holds maximum percentage of forest cover in India.

Which of the above statements is/are correct?

- a) 1 only b) 2 only
c) 1 and 2 d) none of the above

Q4) Consider the following sentence

- 1) Succession is a progressive series of changes which leads to relatively stable climax community
- 2) Allogenic succession involves the principle succession brought about by community itself.
- 3) Secondary succession is relatively fast as compared to primary succession

Which of the above statement is/are correct?

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

Q5) Boreal forests are characterized by thin podzols and the soil there is poor in nature. Consider the following reasons

- 1) Weathering of rocks takes place very slowly in cold regions
- 2) Litter derived from conifer needle is decomposed slowly

- a) 1 only b) 2 only
c) 1 and 2 d) none of the above

Q6) Consider the following functions of wetland

- 1) It acts as a buffer shoreline against erosion
- 2) Support as a genetic reservoir for specific species of plant
- 3) Ground water recharging
- 4) It maintains stream flow.

Which of the above is/are **not** correct?

- 1) 1 and 3 2) 4 only
3) 2 and 4 4) none of the above

Q7) which of the following statements correctly describe 'Bio-bridge initiative'.

- a) It is an agreement signed between India and South East Asian countries regarding biosafety.
- b) Under this initiative all the wetlands mentioned under Ramsar convention are monitored on biennial basis at one place.
- c) It aims to link developing countries' need for biodiversity related science and technology with developed countries' provision.
- d) It deals with creating continuous corridor between separated stretches of forest.

Q8) Consider the following criteria for endanger species

- 1) Reduction of 70 % of population in last 10 year
- 2) Number of matured individual remained 250 or less
- 3) 20 % probability that it will enter in 'extinct in wild' category.

Which of the above statement is are correct

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

Q9) consider the following statements about E-green watch

- a) It is an application and integrated info system which will enable online monitoring of various CAMPA funds.
- b) It is an application for monitoring data of pugmark system under national tiger conservation authority
- c) It is a web platform created for monitoring alpha biodiversity.
- d) None of the above

Q10) consider the following statements

- 1) Polar stratospheric cloud is one of the important reasons for the formation of ozone hole at the Antarctic in the autumn season.
- 2) Ground ozone is created by reaction between oxides of nitrogen and volatile organic compound.
- 3) Very cold temperature and longevity Antarctic vortex are the reasons for the formation of polar stratospheric cloud

Which of the above statements is/are correct?

- a) 1 only
- b) 2 and 3
- c) 1,2 3
- d) none of the above

Q11) consider the following statements about carbon sequestration.

- a) Carbon Sequestration is the method where carbon-di-oxide present in ocean phytoplankton is captured and released in atmosphere.
- b) Carbon sequestration can help in creating carbon sinks which will be further helpful in tackling global warming

- a) 1 only
- b) 2 only
- c) 1 and 2
- d) none of the above.

Q12) consider the following statements about community forestry

- 1) This concept involves the principle of planting of trees on community land and not on private land.
- 2) In community forestry the responsibility of providing seeds and fertilizer is with community itself.

Which of the above statement is/are **not** correct?

- a) 1 only
- b) 2 only
- c) 1 and 2
- d) none of the above.

Q13) Consider the following reasons for the Santhal revolt of Rajmahal Hill.

- 1) False practices at the market place
- 2) Heavy interest on loans
- 3) Forceful dispossession of property

Which of the above reasons is/are correct?

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

Q14) Consider the following statements.

- a) The objective of the Gurudwara reforms was to free Gurudwara from mahants
- b) 'Keys' affair was related with Nankana Gurudwara
- c) Gurudwara reform movement encouraged certain religiosity which was later utilized by communalism.

Which of the above statements is/are correct?

- a) 1 only b) 1 and 3
c) 2 and 3 d) none of the above

Q15) Consider the following statements

- a) Surya Sen was the active member of Congress party and supported Non-cooperation movement before joining Chittagaon rebellion
- b) Surya Sen believed in individual heroism.
- c) Pritilata Waddedar and Kalpana Dutt were active members in Chittagaon rebellion.

Which of the above statement is/are correct?

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

Q16) Consider the following reasons for the Royal Indian Navy revolt

- 1) RIN was not happy with British decision of joining hands with Russia against Nazi forces
- 2) RIN revolt was a result of racial discrimination meted out to its soldiers.

Which of the above statement is/are correct?

- a) 1 only b) 2 only
c) 1 and 2 d) none of the above

Q17) Consider the following statements

- 1) Responsivist of Swaraj Party was a Hindu supporter group and it did not accept government position wherever offered.
- 2) One of the main reasons for formation of Swaraj party was that they were opposed to system of diarchy.

Which of the above statement is are correct

- a) 1 only b) 2 only
c) 1 and 2 d) none of the above

Q18) consider the following statement

- 1) Fundamental right under Article 17 of the Indian constitution is available against private individual.
- 2) This fundamental right under article 17 is self executory.

Which of the above statement is/are correct?

- a) 1 only b) 2 only
c) 1 and 2 d) none of the above

Q19) Consider the following statements.

- 1) The writ of Mandamus is available against governor of state for the performance of power and duties of his office.
- 2) The writ of Mandamus is available against inferior court or other subordinate courts.
- 3) The writ of certiorari is available against administrative authorities.

Which of the following statement is/are correct?

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

Q20) Consider the following statements.

- 1) Speaker cannot vote in the first instance when a resolution for his removal is under consideration of Loksabha.
- 2) The chairman Rajyasabha can be removed from his office only if he is removed from the office of vice president.

Which of the above statement is/are correct?

- a) 1 only b) 2 only
c) 1 and 2 d) none of the above.

Q21) The Central information commission consist of Chief information commissioner and 10 member body. Which of the following members is not involved in the committee for its appointment?

- a) Prime minister
- b) Leader of opposition
- c) Chief Justice of Supreme Court.
- d) Union cabinet minister.

Q22) Consider the following statement.

- 1) Resolution of parliament approving its proclamation of president rule can be passed only with special majority.
- 2) Under national emergency parliament can make laws on the subject enumerated in the state list only by itself.

Which of the above statement is/are correct?

- a) 1 only b) 2 only
c) 1 and 2 d) none of the above

Q1) correct option a

Statement 1 and 2 are correct. No two species can have exactly identical niches.

Q2) correct option d

Statement 1 and 2 are correct. The agreement envisages global stocktake based on the principle of equity and not equality. This means there will be variable stake in carbon consumption to each country based on historical consumption and developing or developed nature of the country. There is no mention of punishing particular country. In fact agreement is based on maintaining transparency.

Q3) correct option d

Forest survey of India works under ministry of environment and forest and is situated at Dehradun. According to recent report of forest survey of India-Moderately dense 9.70 %, open forest 8.99%, very dense forest 2.54%.

Q4) correct answer a

Statement 1 is correct. Allogenic succession is brought about by outside abiotic factors such as volcano. Autogenic changes are brought about by community itself. In secondary succession occur fast because of presence of organic soil. This organic soil is a result of primary succession.

Q5) correct answer c

Podzol soil is acidic in nature and generally mineral deficient. This can be attributed to various reasons. Boreal forest occurs in the cold climatic regions with long winters and short summers. In this area there is a movement of large amount of water through soil without counter upward movement due to evaporation. Hence essential nutrients like potassium and calcium are leached beyond roots. This process leaves no alkaline oriented cations to encounter the organic acids of accumulating litter.

Q6) correct answer d

Q7) correct answer c

Q8) correct answer d

Q9) correct answer a

CAMPA is Compensatory Afforestation Fund Management and Planning Authority which will act as a national advisory council to state CAMPA. It will provide guidelines and solve issues if any persists between inter states.

Q10) correct answer b

Formation of Polar stratospheric cloud is the phenomenon happening in spring season and not autumn.

Q11) correct answer b

Carbon sequestration is the method in which atmospheric carbon-di-oxide is captured and is stored underground mainly in coal mines, oil field reserves. Carbon di oxide can also be stored artificially underground by various methods. Statement two is correct.

Q12) correct answer b

In community forestry the responsibility of providing seedlings is with government while that of protecting the trees is with community.

Q13) correct answer d

Q14) correct answer b

The keys affair was related with Toshakhana of Golden temple where government tried to keep keys of Gurudwara with themselves. Owing to pressure of SGPC (Shiromani Gurudwara Prabandhak Committee) .government gave back keys to its leader Baba Khark Singh.

Q15) correct answer a

Surya Sen believed in collective action over individual heroism. Their group action was aimed against organs of colonial state.

Q16) correct answer **b**

Racial discrimination and offering of unpalatable food were prominent reasons for breaking out of RIN revolt.

Q17) correct answer **d**

Responsivist readily accepted government position wherever offered. Responsivist was group headed by leaders such as Lala Lajpat Rai and Madan Mohan Malviya who were supporter of Hindu cause. Swaraj party was formed on the basis of council entry. This was unsatisfied group with Gandhiji's policy of withdrawal from non co-operation movement

Q18) Correct answer **a**

Though right against untouchability is available against private individual, it is not self executory i.e. directly enforceable. This right can be indirectly enforceable meaning only if some law is made to give effect to them, and such law is violated.

Q19) correct answer **a**

The writ of mandamus is not available against governor for his actions under the obligation of office. Statement 2 is correct. The writ of certiorari is not available against administrative bodies. It is available only against judicial and quasi-judicial bodies.

Q20) correct answer **b**

Speaker can vote in the first instance when a resolution for his removal is under consideration of Loksabha. Statement two is correct.

Q21) correct answer **c**

Q22) correct answer **b**

Resolution of parliament approving its proclamation of president rule can be passed with simple majority.

Statement two is correct.