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**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO.**

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**CIVILS 360's PRELIMSURE 2020 TEST SERIES**

**GENERAL STUDIES PAPER-I**

**TEST 8**

Time Allowed: 2 Hours

Maximum Marks: 200

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**INSTRUCTIONS**

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET *DOES NOT* HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. You have to enter your Roll Number/Name on the Test Booklet in the Box provided alongside. *DO NOT* write *anything* else on the Test Booklet.
3. This Test Booklet contains **100 items** (questions). Each item is printed only in English. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose *ONLY ONE* response for each item.
4. You have to mark all your responses *ONLY* on the separate Answer Sheet provided. See directions in the Answer Sheet.
5. All items carry equal marks.
6. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
7. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator *only the Answer Sheet*. You are permitted to take away with you the Test Booklet.
8. **Penalty for wrong answers :**  
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
  - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one-third of the marks assigned to that question will be deducted as penalty.
  - (ii) If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be the same penalty as above to that question.
  - (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be no penalty for that question.

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1. Consider the following factors with respect to eutrophication of a lake:

1. It cause dense growth of algal blooms.
2. Excessive use of nitrate and phosphate fertilizers can accelerate this phenomenon

Select the correct answer using the code given below.

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

2. Which of the following can cause destruction of ozone layer?

1. Methyl bromide
2. Methyl chloroform
3. Halons

Select the correct answer using the code given below:

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

3. Recently a memorandum of understanding regarding Bioceanic Railway Integration Corridor Project has been signed between India and:

- (a) Brazil
- (b) Bolivia
- (c) European Union
- (d) Czechoslovakia

4. Which of the following mentioned below is/are carbon sinks?

1. Seagrass beds
2. Salt marshes
3. Mangroves

Select the correct answer using the code given below:

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

5. Consider the following statements with respect to categorisation of industries based on pollution load:

1. As per the classification, there are four categories of division of industries.
2. White category of industries is the least polluting.
3. No Red category of industries shall normally be permitted in the ecologically fragile areas.

Which of the statements given above is/are correct?

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

6. Consider the following statements with respect to "Healthy States, Progressive India" Report.

1. NITI Aayog released the second edition of report recently.
2. Kerala has topped among large states on overall health performance in this edition of the Report.

Which of the above statements is/are correct?

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

7. Which of the following statements best explain the term "pesticide treadmill":

- (a) The need for continuous and repeated use of pesticides
- (b) Massive one time use of pesticides.
- (c) Slowly reducing the amount of pesticide usage
- (d) A method of testing the sustainability of a pesticide.

8. Consider the following statements about microbeads:

- 1. They are solid plastic particles of less than one millimeter in size.
- 2. They cause hazards to marine animals.

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

9. Which of the following gases is/are covered by the National Ambient Air Quality Standards?

- 1. Carbon Dioxide
- 2. Carbon Monoxide
- 3. Ozone
- 4. Benzene
- 5. Pyrene

Select the correct answer using the code given below.

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

10. Marine cloud brightening technique is encouraged in the present times because:

- 1. It reduces the greenhouse gas emissions from various sources by absorbing carbon dioxide.
- 2. It reduces the temperature of atmosphere and oceans by reflecting sunlight.

Select the correct answer using the code given below:

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

11. Which of the following statement is **not** correct about photochemical smog?

- (a) It results from high concentration of sulfur oxides in air.
- (b) Tropospheric ozone is one of its common components.
- (c) It can cause damage to plants.
- (d) It can cause difficulty in breathing.

12. Consider the statements regarding the Nipah Virus:

- 1. The organism which causes Nipah Virus encephalitis is an RNA or Ribonucleic acid virus.
- 2. Nipah virus is a zoonotic virus and can also be transmitted through contaminated food or directly between people.

Which of the above statements is/are true?

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

13. Which of the following is/are **not** part of the ecosystem?

1. Microorganism
2. Humans
3. Non Living constituents

Choose the correct answer from the options given below

- (a) 2 and 3 only
- (b) 2 only
- (c) 3 only
- (d) None of the above

14. Consider the following statements regarding Insolvency and Bankruptcy Code, 2016 (IBC):

1. Under IBC, when a default in repayment occurs, creditors gain control over the debtor's assets and must make decisions to resolve insolvency within a 180-day period along with a provision of one time extension.
2. The proceedings of the resolution process will be adjudicated by the National Companies Law Tribunal for individuals; and the Debt Recovery Tribunal for companies.

Which of the above statements is/are true?

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

15. Consider the following statements regarding Chaukhandi Stupa:

1. It is an ancient Buddhist site in Sarnath
2. The stupa is originally believed to be built by Emperor Ashoka.

3. The octagonal tower on top of the stupa is a Mughal monument built-in 1588 to commemorate Humayun's visit to this place.

Which of the above statements is/are true?

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

16. With reference to trophic levels in an ecosystem, consider the following statements:

1. The trophic level of an organism is the position it occupies in a food chain.
2. Consumers at each level convert roughly about 10% of chemical energy to biomass.

Select the correct answer using the code given below.

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

17. Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services has recently released a report noting five direct drivers of environmental change with largest global impact. Which of the following given below has the maximum such impact?

- (a) Climate Change
- (b) Changes in land and sea use
- (c) Invasive alien species
- (d) Pollution

18. Consider the following statements regarding biomes:

1. No two biomes are completely similar in terms of vegetation and biodiversity.
2. Climate determines the boundaries of a biome and abundance of plants and animals found in each one of them.

Select the correct statements using the codes given below

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

19. Which of the following is/are the *sadhanas* of Yoga?

1. Yama
2. Asana
3. Pratyahara
4. Yuktahara

Select the correct answer using the codes given below.

- (a) 1 and 2 only
- (b) 1, 3 and 4 only
- (c) 2 and 4 only
- (d) All of the above

20. Which of the following explains Proton therapy?

- (a) A treatment that uses high-energy beams to treat tumors
- (b) A new method that proves the nature of light dispersion
- (c) A less invasive body scanning method
- (d) A selective radiation method for treating tuberculosis

21. Consider the following statements regarding Terrestrial Ecosystems:

1. The most important limiting factors of the terrestrial ecosystem are moisture and altitude
2. The differences between different ecosystems are reflected in biotic as well as material components

Choose the statements which are correct

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

22. Anthropocene refers to:

- (a) It was the time period which corresponds to the last major ice age.
- (b) Recently discovered new time period in the geological time scale marked by extensive droughts around the world.
- (c) Recently discovered largest sandstone caves in the world.
- (d) Proposed time period which coincides with the significant human impact on Earth's ecosystem.

23. Consider the following statements about particulate pollutants:

1. They are microscopic liquid and solid particles present in the form of suspension in the air.
2. Finer particles are more dangerous to human health compared to larger ones.
3. There exist natural and artificial sources of particulate matter.

Select the correct answer using the code given below:

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

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

24. With reference to the human impact on environment, consider the following statements:

1. Since the advent of Industrial Revolution, the pH of ocean water has fallen down to 2 units.
2. Highest per capita carbon dioxide emission of gases is recorded currently in emerging countries like China and India.

Select the correct answer using the code given below:

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

25. Consider the following statements regarding Tundra biome:

1. Trees are generally not present in Tundra.
2. Amphibians are present in large numbers due to their adaptable nature.
3. Most of the animals have a long life.

Select the correct statements using the options given below

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

26. Which of the following constitutes a sedimentary cycle?

1. Phosphorus cycle
2. Sulfur cycle
3. Carbon cycle

Select the correct answer using the code given below.

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

27. Consider the statements regarding NITI Aayog:

1. Prime minister of India acts as the Ex-Officio Chairman of the body.
2. NITI Aayog draws the power from Article 282 of the Indian constitution.
3. NITI Aayog determines the discretionary grants to the states.

Which of the above statements is/are true?

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

28. Consider the following statements about Indicator species:

1. All the top level predators are generally indicator species.
2. Absence of frog indicates that water ecosystem has turned healthy and fresh.

Which of the above statements is/are correct?

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



29. Consider the following statements with respect CAFE or Corporate Average Fuel Efficiency/Economy regulations:

1. The norms are applicable for petrol, diesel, LPG and CNG passenger vehicles
2. They are not yet implemented in India

Select the correct answer using the code given below:

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

30. Consider the following statements regarding Strum Ataka anti-tank missile?

1. It is developed indigenously by the DRDO
2. It can only be used in land attacks and should be mounted on the ground based missile systems.

Which of the above statements is/are true?

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

31. Which of the following is/are the characteristics of equatorial forests?

1. Presence of large number of epiphytes.
2. Presence of short, sparsely set trees which forms continuous canopy.
3. They receive abundant moisture and sunlight

Choose the correct statements using the codes given below

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

32. The 'World Population Prospects 2019' is released by which of the following organization?

- (a) International Centre for Population Studies
- (b) Asian Development Bank
- (c) OECD
- (d) United Nations

33. Consider the following statements regarding food chain:

1. An organism can operate at more than one trophic level.
2. Flow of energy is always unidirectional
3. Usually food chains only have 3-5 trophic levels.

Select the correct answer using the code given below:

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

34. Recently, Chief Justice of India has written to Prime Minister to initiate a motion for removal of a judge of Allahabad High Court. In this regard consider the statements on removal of judges of the high court:

1. Article 217 provides that the judge of high court may be removed from his office by the President.
2. The Judges Enquiry Act regulates the procedure relating to the

removal of a judge of a high court by the process of impeachment  
Which of the above statements is/are true?

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

35. Artificial leaf, a recent invention by the scientists is primarily:

- (a) Developed for aiding the afforestation purposes in the desert regions.
- (b) Developed for studying the plant properties in extreme climates.
- (c) Developed to mimic the real leaves and use carbondioxide to produce energy.
- (d) None of the above

36. Consider the following statements about bioaccumulants:

1. It exhibits tendency to move towards higher level in a food chain.
2. It can be easily diluted and broken down in animal body by excretion through urine.
3. It can be transferred to infants through mothers breast milk.

Select the correct answer using the code given below:

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

37. In this biome, there are practically no trees, and the grasses are short. It does not have much animal diversity. They are often located between

temperate forests and deserts, and annual precipitation falls between the amounts characteristic of those zones. Winds play an important role in these very open environments. Precipitation varies from highly seasonal to spread throughout the year.

Identify the biome based on the above description

- (a) Steppe
- (b) Savanna
- (c) Temperate deciduous biome
- (d) None of the above

38. Which of the following well describe "spring shock?"

- (a) Acute acidification of certain streams by end of spring season
- (b) Low pH rain during the spring season.
- (c) It is the unnatural warming of water bodies during spring season.
- (d) A type of lightning that occurs randomly.

39. Consider the following statements with respect to the first ever SDG Gender index published recently:

1. It accounts for 14 out of 17 SDGs.
2. India is ranked 95th among 129 countries
3. It's developed by Equal Measures 2030, a joint effort of regional and global organisations

Which of the statements given above is/are correct?

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



40. Which of the following is/are examples of non point source pollution?

1. Excess fertilizers from agricultural lands.
2. Oil, grease and toxic chemicals from urban runoff.
3. Sediment from improperly managed construction sites.

Select the correct answer using the code given below.

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

41. Which of the following organization's recently published the 'State Food Safety Index'?

- (a) NITI Aayog
- (b) Centre for science and environment
- (c) Food Safety and Standards Authority of India
- (d) Ministry of environment

42. The term *carbon flux* refers to:

- (a) It is the carbon released from global carbon reservoirs such as atmosphere, soil and oceans.
- (b) It refers to the carbon storage and long term storage of atmospheric carbon dioxide in isolated places.
- (c) It is the balance between net carbon emissions and net carbon absorption.
- (d) It is the sudden release of carbon due to natural calamities such as volcanic eruptions, mine collapses.

43. Consider the following statements with respect to detritus food chain:

1. It begins with dead organic matter.
2. It is the main conduit of energy flow in aquatic ecosystem.

Select the correct answer using the codes given below:

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

44. Which of the following is **not** a characteristic of desert biome?

- (a) The seeds of many species of grasses and herbs have thick, tough skins to protect them while they lie dormant.
- (b) Trees usually have broad trunks, with water-storing devices to survive through the prolonged drought.
- (c) Soils are variable in color but often light brown, gray, or yellowish
- (d) Temperatures generally reach hot and cold extremes

45. Consider the following statements with respect to UNCTAD World Investment Report:

1. Investment in India saw an exponential drop.
2. Overall South Asia saw a drop in FDI.

Select the correct answer using the codes given below:

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

(d) Neither 1 nor 2

46. Which of the following is/are the characteristics of coniferous forests?

1. Coniferous forests are characterised by strong seasonal climates
2. The light coloured acidic soils of these forests are called podzols
3. The soils here are rich in mineral content and organic matter

Choose the statements which are **not** correct

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

47. Consider the following statements:

1. Among the total e-waste generated in India, the total contribution of individual households is about 80% of the total.
2. Presence of elements like mercury, cadmium, selenium and hexavalent chromium beyond threshold quantities make e-waste hazardous in nature.

Select the correct answer using the code given below:

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

48. Consider the following statements with respect to 'RBI's Prudential Framework for Resolution of Stressed Assets':

1. If multiple lenders are involved, all the lenders must enter into an inter-creditor agreement
2. It give lenders 30 days to review a borrower account before labelling it as a non-performing asset.

Select the correct statements

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

49. Consider the following statements about Ocean acidification:

1. It causes problems for calcifying organisms and does not cause any problem for non calcifying organisms.
2. It acts as a major threat for the coral reefs like that of Great Barrier Reef.

Select the correct answer using the code given below:

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

50. Which of the following organisation is associated with Kunming initiative?

- (a) BCIM Forum
- (b) ASEAN
- (c) BIMSTEC
- (d) SAARC

51. Consider the following statements with respect to food web in an ecosystem.

1. They are formed by interlinking food chain.
2. Complex food webs increase the stability of an ecosystem.

Which of the following statements given above is/are correct?

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

52. Which of the following contributes to the higher timberline in subalpine forests in India?

- 1. Temperature
- 2. Low humidity
- 3. Heavy rainfall

Select the correct answer using the codes given below:

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

53. Which of the following species is/are keystone species?

- 1. Wild durian tree
- 2. Insects and honeybee
- 3. Corals
- 4. Elephants

Select the correct answer using the code given below:

- (a) 2 and 3 only
- (b) 1,2 and 3 only
- (c) 2,3 and 4 only
- (d) All of the above

54. Consider the following statements regarding Regional Cooperation Agreement on Combating Piracy and Armed Robbery against Ships in Asia (ReCAAP):

- 1. Information sharing, capacity building and mutual legal assistance are its three pillars.

2. Indian Coast Guard has been designated as the focal point within India for ReCAAP.

Which of the above statements is/are correct?

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

55. An ecosystem with low stability and high resilience can be:

- (a) Easily damaged but hard to recover
- (b) Difficult to damage and hard to recover
- (c) Difficult to damage but easily recovered
- (d) Easily damaged but easy to recover

56. Which of the following countries are part of the erstwhile *Shanghai-5* grouping?

- 1. China
- 2. Mongolia
- 3. Russia
- 4. Kyrgyzstan
- 5. Tajikistan

Select the correct answer using the codes given below:

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

57. Consider the following statement regarding aquatic ecosystems:

- 1. The aquatic system refers to the plant and animal communities occurring in water bodies

2. Brackish water ecosystems are the saltiest among aquatic ecosystems

Choose the correct statements using the options given below

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

58. Consider the following statements regarding Great Pacific Garbage Patch:

- 1. It consists of the largest accumulation of ocean plastic around the world.
- 2. It is surrounded by the North Pacific Subtropical Gyre.
- 3. Microplastics constitute the major part of this Garbage Patch.

Select the correct answer using the code given below:

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

59. Consider the following statements regarding the Multilateral Convention to Implement Tax Treaty Related Measures to Prevent Base Erosion and Profit Shifting:

- 1. It was signed in 2017 and entered into force on 1st July 2018.
- 2. The treaty helps in curbing the revenue loss due to the round-tripping to tax havens.
- 3. India has signed the treaty on July 2018 itself.

Select the correct answer using the codes given below

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

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

60. Arrange the following aquatic organisms according to their increasing order of distance from the surface of the water body

- 1. Neuston
- 2. Plankton
- 3. Periphyton
- 4. Nekton
- 5. Benthos

Choose the correct answer from the following options

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

61. Which of the following factors can be attributed as the reasons of wetland depletion

- 1. Excessive pollution
- 2. Over fishing and over farming
- 3. Conversion of wetland into agricultural land
- 4. Habitat destruction and deforestation

Choose the correct answer from the given options

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

62. Consider the following statements regarding Food Corporation of India:

- 1. The Food Corporation of India was set up under the Food Corporation's Act 1964.
- 2. To provide farmers with remunerative prices for their

products is one of the key objectives of FCI.

3. The economic cost to FCI includes acquisition cost of food grains at MSP, procurement incidentals (e.g. labour & transport charges, godown rentals) and distribution cost (freight, handling, storage & interest charges, losses during storage etc)

Select the correct answer using the codes given below

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

63. Which of the following are the factors act as limiting factors affecting an aquatic ecosystem:

- 1. Sunlight
- 2. Ocean Currents
- 3. Temperature
- 4. Pressure

Select the correct answer using the codes given below:

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

64. Ozone depletion is observed more in the Antarctic than Arctic. This is most appropriately attributed to:

- (a) Higher albedo effect of the permafrost surrounding the Arctic region.
- (b) Cloud cover surrounding troposphere is much greater in the Antarctic region.

(c) Range of winter minimum temperature is higher in the Arctic region.

(d) Insolation received in the Antarctic region is higher.

65. The emissions of fluorinated gases are a concern worldwide. This is because:

- 1. None of these gases are regulated under any global protocols related to climate change.
- 2. They have high lifetime capacity and stay in the atmosphere for many centuries.
- 3. Fluorinated gas emissions in the world is projected to increase by about 90% by 2050.

Select the correct answer using the code given below:

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

66. Consider the following statements

- 1. Photic zone is the portion that extends from the surface of the water body to where the light level is sufficient enough to enable photosynthesis.
- 2. Both photosynthesis and respiration takes place in the photic zone whereas photosynthesis and respiration are absent in aphotic zone.

Select the **incorrect** statements using the code given below:

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

67. Recently, U.K Sinha committee has submitted a report. In which of the following sectors did they focus?

- (a) MSME
- (b) Skill Development
- (c) Environment
- (d) Education

68. Which of the following statements is **not** true regarding National Wetlands Conservation Program (NWCP)

- (a) The Central government is responsible for the coordination of the wetland conservation program
- (b) The management of the wetlands under this program falls with the state governments
- (c) Criteria for identification of wetlands of national importance under NWCP are the same as those prescribed under the Ramsar Convention on Wetlands.
- (d) The financial and technical assistance and guidelines for the program are provided by the state governments

69. In the winter water gets much colder and ice may cover the top of the pond for an extended period of time. This leads to depletion of oxygen in the water body which leads to the death of aquatic organisms. This phenomenon is known as

- (a) Winterkill
- (b) Winter trap
- (c) Cryopreservation
- (d) Frostbite

70. Recently there was a hype about the circular economy. Which of the following

statements correctly define the circular economy?

- (a) A circular economy is a system where all the currencies printed are recycled regularly.
- (b) A circular economy is an economic system aimed at eliminating waste and the continual use of resources.
- (c) A circular economy is a system where all single-use plastic products are banned completely
- (d) A circular economy is an economic situation where the economic business cycle repeats every financial year.

71. Synthesis gas(or syngas) is a mixture consisting primarily of:

- (a) Nitrogen and carbon dioxide
- (b) Methane and carbon monoxide
- (c) Hydrogen and carbon monoxide
- (d) Oxygen and ethanol

72. With reference to the biotoilets, consider the following statements:

1. Biotoilets in India were initially developed by DRDO.
2. It will help to an extent in order to reduce the manual scavenging issue faced by India.

Select the correct answer using the code given below:

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



73. 'cry1Ac' and 'cry2Ab' recently seen in news is related to:

- (a) Genetically Modified Cotton.
- (b) Military doctrines of USA
- (c) Newly developed cryogenic engine prototypes.
- (d) India's first quantum computers

74. Which of the following is **not** a method of mitigation of wetland degradation

- (a) Preventing unsustainable aquaculture and cultivation of shellfish
- (b) Preventive measures to stop the introduction of exotic invasive species like water hyacinth.
- (c) Banning tourism and completely preventing local population from the vicinity.
- (d) Soil conservation measures and afforestation drive programmes.

75. Consider the following statements regarding Forest Landscape Restoration (FLR):

- 1. It is an ongoing process of regaining ecological functionality and enhancing human well-being across deforested or degraded forest landscapes.
- 2. It is a strategy developed by the IUCN and India has made one of the biggest commitment in Asia under it.

Which of the above statements is/are true?

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

76. The term *extended producer responsibility* seen in news is most appropriately linked to:

- (a) Intellectual Property Rights
- (b) Treatment of post consumer products
- (c) Compensatory afforestation
- (d) Ozone depletion

77. Which of the following are the importance/uses of wetlands

- 1. Wetlands are habitat to aquatic flora and fauna, numerous species of native and migratory birds.
- 2. They play an important role in flood mitigation by controlling the rate of runoff.
- 3. They prevent nutrient recycling and thus helping preservation of nutrients

Choose the correct statements 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

78. Consider the following statements regarding Sustainable Livelihoods and Adaptation to Climate Change (SLACC):

- 1. SLACC aims to restore the degraded paddy and wheat fields through geo-engineering for better livelihood.
- 2. It is implemented by the Ministry of Agriculture and supported by the NGO Green Peace.

Which of the above statements is/are true?

- (a) 1 only

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

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

79. Madden-Julian Oscillation is related to:

- (a) Monsoon in India
- (b) Quantum Computing
- (c) Electric vehicles
- (d) Atomic Clocks

80. Consider the following statements regarding Wetlands international:

1. It works at the field level to develop and mobilize knowledge and use the practical experience to advocate for better policies.
2. It is an international agreement between nations who are members of UNESCO

Choose the correct statements using the codes given below

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

82. Iron fertilisation process, seen in news, is primarily used to:

- (a) Accelerate carbon sequestration.
- (b) Reflect sunlight away from atmosphere.
- (c) Ground based albedo management.
- (d) Waste to energy conversion technology

83. Which of the following methods is/are associated with conservation agriculture?

1. Mechanical seedbed preparation
2. Crop rotation and species diversification
3. Cultivation of cover crops

Select the correct answer using the code given below:

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

81. Consider the following pairs:

Festival	States
1. Mela Kheerbhawani	Jharkhand
2. Chamliyal Mela	Bihar
3. Ambubachi Mela	Assam

Which of the above pairs is/are correctly matched?

- (a) 3 only
- (b) 1 and 3

84. Which of the following is/are considered as a wetland according to Ramsar guidelines?

1. All lakes and rivers
2. Mangroves and other coastal areas
3. Coral reefs
4. Salt pans

Choose the correct answer from the following options

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

85. Kaleshwaram Lift Irrigation (KLIP) Project is being built on which of the following river?

- (a) Krishna
- (b) Godavari
- (c) Mahanadi
- (d) Narmada

86. Consider the following statements:

1. Energy cycle is an open cycle where as cycle of matter is a closed cycle.
2. While the pyramid of biomass can be upright or inverted, pyramid of energy is always upright.

Select the correct answer using the code given below:

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

87. Which of the following organisation recently launched "Continuous Ambient Air Quality Monitoring System?"

- (a) Ministry of Environment, Forest and Climate Change
- (b) Central Pollution Control Board
- (c) Indian Space Research Organisation
- (d) Indian Army

88. Consider the following statements regarding Montreux record:

1. The Montreux Record is a register of wetland sites on the List of Wetlands of International Importance where changes in ecological character have occurred, are occurring, or are likely to occur as a result of technological developments,

pollution or other human interference.

2. It is maintained as a separate list and not as a part of Ramsar list

Select the correct statements using the code given below:

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

89. Which among the following invasive species seen in India is mainly responsible for maize/corn crop destruction in agricultural fields?

- (a) Lantana
- (b) Fall army Worm
- (c) Prosopis juliflora
- (d) Water hyacinth

90. Which of the following is/are the benefits of the Food fortification?

1. Food fortification has a high benefit-to-cost ratio.
2. It is a safe method of improving nutrition among people.
3. It can help in reducing the micronutrient deficiency among the population.

Select the correct answer using the codes given below

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

91. Recently a Beekeeping Development Committee was formed under the chairmanship of:

- (a) Bibek Debroy
- (b) MS Swaminathan
- (c) Meenakumari

(d) Ashok Kumar

92. Operation Sankalp was carried out in which of the following regions?

- (a) Persian Gulf
- (b) Bay of Bengal
- (c) Strait of Malacca
- (d) Central Indian Ocean

93. Consider the following statements regarding Ramsar sites in India:

1. Upper Ganga River is the only Ramsar site belonging to Uttarakhand state.
2. Bhitarkanika mangroves in Odisha is the largest Ramsar site by area in India
3. Rajasthan is the state with the highest number of Ramsar sites in India.

Select the correct statements using the codes given below

- (a) 1 only
- (b) 2 only
- (c) 3 only
- (d) None of the above

94. Consider the following statements:

1. Renewable Natural Gas contains methane as the major constituent which is produced from decomposition of organic matter.
2. Along with decreasing reliance on fossil fuels, it also helps to reduce greenhouse gas emissions.

Which of the above statements is/are correct?

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

95. Which of the following is **not** a characteristic of Wetlands?

- (a) Wetlands can be permanent or temporary
- (b) They are very small in size when compared to lakes
- (c) They have high productivity
- (d) There is no clear thermal stratification in Wetlands

96. Which of the following is/are short lived climate forcers?

1. Aerosol
2. Methane
3. Tropospheric Ozone
4. Nitrous oxide

Select the correct answer using the code given below:

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

97. “Detect – Treat – Prevent – Build” strategy is related to:

- (a) Tuberculosis
- (b) Non Communicable Diseases.
- (c) AIDS
- (d) Diabetics

98. “Progress of the World’s Women 2019-20: Families in a Changing World” is published by,

- (a) UN Women
- (b) NITI Aayog
- (c) International Alliance of Women
- (d) World Economic Forum

99. Consider the following statements regarding wetlands

1. Wetlands are transition zones between terrestrial and aquatic ecosystems.
2. These habitats experience periodic flooding from adjacent deepwater habitats and therefore supports plants and animals specifically adapted to such shallow flooding or waterlogging.

Select the correct statements using the codes given below:

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

100. Identify the **wrong** statement regarding Plastic Management Rules, 2016:

- (a) It expanded the jurisdiction of applicability from the municipal areas to rural areas.
- (b) It encouraged phasing out of the manufacture and use of non-recyclable multilayered plastic.
- (c) Central Pollution Control Board will have the responsibility to grant/renew registration of plastic bags, or multi-layered packaging.
- (d) Responsibility of waste generators is introduced for the first time to segregate the plastic waste at source.