

Study Circle Career Development Institute

100 Important Points : SSP



(64) Sanctuaries and National Parks, Tiger Project,
Environmental laws

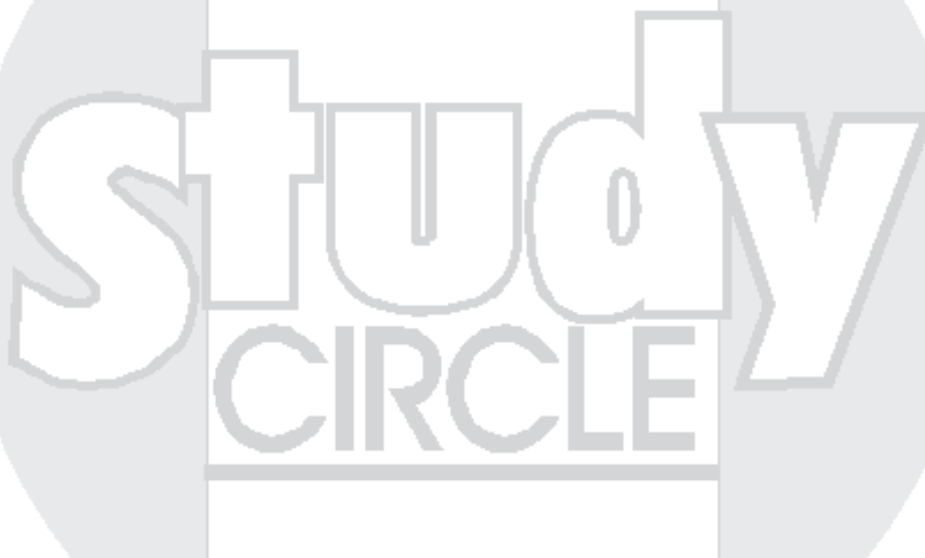
5) Environmental Ecology, Bio-diversity & Climate Change

- 1) **Environmental Ecology (2)**
- 2) **Bio-diversity (2)**
- 3) **Climate Change (2)**

- 61) Ecosystem - energy pyramid ,Food chain and webs, Material cycle
- 62) Environmental imbalance, conservation, Summits and Mesures, EIA
- 63) Biodiversity - concept, types, wild life and flora of India

- 64) Sanctuaries and National Parks, Tiger Project, Environmental laws**

- 65) Global warming - Role of CO₂ and methane in greenhouse effect
- 66) Pollution - Air, Water, Soil, Sound.Waste management, Mitigation measures



General Studies Paper I

- 1) **History of India and Indian National Movement (15)**
- 2) **Maharashtra, India and World Geography (15)**
- 3) **Maharashtra and India - Indian Polity and Governance (15)**
- 4) **Economic and Social development (15)**
- 5) **Environmental Ecology, Bio-diversity & Climate Change (10)**
- 6) **General Science (15)**
- 7) **Current Events of State, National and International Importance (15)**

1) History of India and Indian National Movement (15)

- 1) History of Ancient India (4)
- 2) History of Mediavel India (3)
- 3) History of Modern India (4)
- 4) Indian National Movement (4)

2) Maharashtra, India and World Geography (15)

- 1) Physical Geography of World (3)
- 2) Social Geography of World (1)
- 3) Economical Geography of World (1)
- 4) Physical Geography of India (2)
- 5) Social Geography of India (1)
- 6) Economical Geography of India (2)
- 7) Physical Geography of Maharashtra (2)
- 8) Social Geography of Maharashtra (1)
- 9) Economical Geography of Maharashtra (1)

3) Maharashtra and India - Indian Polity and Governance (15)

- 1) Constitution (3)
- 2) Political System (3)
- 3) Panchayati Raj & Urban Governance (3)
- 4) Public Policy (3)
- 5) Humana Rights Issues (3)

4) Economic and Social development (15)

- 1) Sustainable Development (2)
- 2) Poverty (2)
- 3) Inclusion (2)
- 4) Demographics (2)
- 5) Social Sector Initiatives (2)
- 6) Indian Economy - Public Finance (1)
- 7) Extrenal Trade (1)

- 8) Banking, Inflation (1)
- 9) Industry (1)
- 10) Agriculture (1)

5) Environmental Ecology, Bio-diversity & Climate Change (6)

- 1) Environmental Ecology (2)
- 2) Bio-diversity (2)
- 3) Climate Change (2)

6) General Science (19)

- 1) Physics (3)
- 2) Chemistry (3)
- 3) Biology and Zoology (2)
- 4) Botany (2)
- 5) Agriculture Science (2)
- 6) Human Biology and (2)
- 7) Health, Hygeine, Food and Nutrition (3)
- 8) ST development & its applications to Infrastructure development (2)

7) Current Events of State, National and International Importance (15)

- 1) Political events (2)
- 2) Organisations (2)
- 3) Economical events (2)
- 4) S & T events (2)
- 5) Geographical events, Places (2)
- 6) Sociocultural events (1)
- 7) Sports events (1)
- 8) Litearature and Days (1)
- 9) Appointments, Personalities (1)
- 10) Prizes and Honours (1)

State Service Preliminary Examination 2024

Preparation & Guidance : Topics & Subtopics of the Syllabus

100 Important Points Environment : 64

- 1) Consider the following statements:
a) The boundaries of a National Park are defined by legislation
b) A Biosphere Reserve is declared to conserve a few specific species of flora and fauna
c) In a Wildlife Sanctuary, limited biotic interference is permitted
Answer Option :
1) (a) and (b) only 2) (a) and (c) 3) (b) and (c) 4) (a), (b) and (c)
- 2) In which one among the following categories of protected areas in India are local people not allowed to collect and use the biomass?
1) Biosphere Reserves 2) National Parks
3) Wetlands declared under Ramsar Convention 4) Wildlife Sanctuaries
- 3) The First National Park established in India was
1) Jim Corbett 2) Sanjay Gandhi 3) Gir 4) Kanha
- 4) Arrange the following projects in the order in which they were launched :
a) Lion Project b) Tiger Project c) Crocodile Breeding Project
d) Rhino Conservation project
1) b, a, c, d 2) a, b, c, d 3) b, a, d, c 4) a, b, d, c
- 5) Consider the following protected areas:
a) Bandipur b) Bhitarkanika c) Manas d) Sunderbans
Which of the above are declared Tiger Reserves?
1) (a) and (b) only 2) (a), (b) and (c) 3) (a), (c) and (d) 4) (a), (b), (c), (d)
- 6) Where is Bundala Biosphere Reserve which has been recently added to the UNESCO's Man and Biosphere (MAB) network, located?
1) Russia 2) India 3) Sri Lanka 4) Bangladesh
- 7) Compensatory afforestation requirements in India is in the ratio of 1:1. What does it mean?
1) Compensatory afforestation shall be done over equivalent area of degraded forest land.
2) Commendatory afforestation shall be done over equivalent area of non-forest land.
3) For every one tree that is cut, another one shall be planted albeit in a different area.
4) Clearing of naturally grown trees in forest land and using it for reforestation.
- 8) Which of the following has been declared as the first Organic State of India?
1) Uttarakhand 2) Sikkim 3) Kerala 4) Mizoram

- 9) Mycorrhizal biotechnology has been used in rehabilitating degraded sites because mycorrhiza enables the plants to
- a) resist drought and increase absorptive area
 - b) tolerate extremes of pH
 - c) resist disease infestation
- Select the correct answer using the codes given below.
- 1) (a) and (b) only 2) (a) and (c) 3) (b) and (c) 4) (a), (b) and (c)

- 10) Recombinant DNA technology (Genetic Engineering) allows genes to be transferred
- a) across different species of plants
 - b) from animals to plants
 - c) from microorganisma to higher organisms

Answer Option :

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

- 11) With reference to insolation, which of the following characteristics of light directly impact plant growth?

- a) Light intensity
- b) Wavelength
- c) Duration

Select the correct answer using the code given below.

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

- 12) Every year, a monthlong ecologically important campaign/festival is held during which certain communities/tribes plant sapling of fruit-bearing trees. Which of the following are such communities/tribes?

- 1) Bhutai and Lepcha 2) Gond and Korku 3) Irula and Toda 4) Sahariya and Agariya

- 13) In the context of food and nutritional security of India, enhancing the 'Seed Replacement Rates' of various crops helps in achieving the food production targets of the future. But what is/are the constraint /constraints in its wider/greater implementation?

- a) There is no National Seeds Policy in place.
- b) There is no participation of private sector seed companies in the supply of quality seeds of vegetables and planting materials of horticultural crops.
- c) There is a demand-supply gap regarding quality seeds in case of low value and high volume crops.

Answer Option :

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

- 14) Which among the following are capable of fixing atmospheric nitrogen into ammonium ions?

- a) Aerobic Azatobacter
- b) Rhizobium
- c) Nitrobacteria
- d) Nitrosamines bacteria

Select the correct answer using the code given below?

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

- 15) With reference to hydrological cycle, consider the following statements :

- a) Globally, majority of evaporation occurs from the oceans.
- b) In tropical forests up to 75% of annual rainfall is returned to the atmosphere by plants.

Answer Option :

- 1) (a) only 2) (b) only 3) Both (a) and (b) 4) Neither (a) nor (b)

- 16) Consider the following:
a) Carbon monoxide b) Methane c) Ozone d) Sulphur dioxide
Which of the above are released into atmosphere due to the burning of crop/biomass residue?
1) (a) and (b) only 2) (a) and (c) only 3) (b), (c) and (d) 4) (a), (b), (c), (d)
- 17) Consider the following agricultural practices :
a) Contour bunding b) Relay cropping c) Zero tillage
In the context of global climate change, which of the above helps/help in carbon sequestration/
storage in the soil?
1) (c) only 2) (b) and (c) 3) (a) and (c) 4) (a), (b) and (c)
- 18) Which of the following adds/add nitrogen to the soil?
a) Excretion of urea by animals b) Burning of coal by man
c) Death of vegetation
Answer Option :
1) (a) and (b) only 2) (a) and (c) 3) (b) and (c) 4) (a), (b) and (c)
- 19) Organic farming is now a days getting back into focus. Which of the following methods and
materials are used in organic farming?
a) Animal manure b) Off-farm organic waste c) GM crops d) Crop rotation
Answer Option :
1) (a) and (b) only 2) (a) and (c) only 3) (a), (b) and (d) 4) (a), (b), (c), (d)
- 20) Consider the following kinds of organisms:
a) Bacteria b) Fungi c) Flowering plants
Some species of which of the above kinds of organisms are employed as biopesticides?
1) (a) and (b) only 2) (a) and (c) 3) (b) and (c) 4) (a), (b) and (c)
- 21) Other than resistance to pests, what are the prospects for which genetically engineered plants
have been created?
a) To enable them to withstand drought
b) To increase the nutritive value of the produce
c) To enable them to grow and do photosynthesis in spaceships and space stations
d) To increase their shelf life
Answer Option :
1) (a) and (b) only 2) (a) and (c) only 3) (b), (c) and (d) 4) (a), (b), (c), (d)
- 22) With reference to 'Forest Carbon Partnership Facility', which of the following statements is/ are
correct?
a) It is a global partnership of governments, businesses, civil society and indigenous peoples.
b) It provides financial aid to universities, individual scientists and institutions involved in scientific
forestry research to develop eco-friendly and climate adaptation technologies for sustainable
forest management.
c) It assists the countries in their 'REDD+ (Reducing Emissions from Deforestation and Forest
Degradation+)' efforts by providing them with financial and technical assistance.
Answer Option :
1) (a) and (b) only 2) (a) and (c) 3) (b) and (c) 4) (a), (b) and (c)

- 23) 'BioCarbon Fund Initiative for Sustainable Forest Landscapes' is managed by the
- 1) Asian Development Bank
 - 2) International Monetary Fund
 - 3) United Nations Environment Programme
 - 4) World Bank
- 24) Consider the following pairs:
Protected area - Well-known for
- a) Bhitarkanika, Orissa - Salt Water Crocodile
 - b) Desert National Park, Rajasthan - Great Indian Bustard
 - c) Eravikulam, Kerala - Hoolak Gibbon
- Which of the pairs given above is/are correctly matched?
- 1) (a) and (b) only
 - 2) (a) and (c)
 - 3) (b) and (c)
 - 4) (a), (b) and (c)
- 25) In the context of the affairs of which of the following is the phrase "Special Safeguard Mechanisms" mentioned in the news frequently?
- 1) United Nations Environment Programme
 - 2) World Trade Organization
 - 3) ASEAN- India Free Trade Agreement
 - 4) G-20 Summits
- 26) Match List - I with List - II and select the correct answer using the code given below the lists :
- | | |
|---|--|
| List - I (National Park/ Wildlife Sanctuary)
A. Chandra Prabha
B. Karera
C. Jaisamand
D. Nahargarh | List - II (Nearby Town)
1. Jaipur
2. Jhansi
3. Agra
4. Varanasi
5. Udaipur |
|---|--|
- Answer Option :**
- | | A | B | C | D |
|----|---|---|---|---|
| 1) | 4 | 1 | 5 | 2 |
| 2) | 5 | 2 | 3 | 1 |
| 3) | 4 | 2 | 5 | 1 |
| 4) | 5 | 1 | 3 | 2 |
- 27) Which one of the following National Parks has a climate that varies from tropical to subtropical, temperate and arctic?
- 1) Khangchendzonga National Park
 - 2) Nandadevi National Park
 - 3) Neora Valley National Park
 - 4) Namdapha National Park
- 28) Which of the following National Parks is unique in being a swamp with floating vegetation that supports a rich biodiversity?
- 1) Bhitarkanika National Park
 - 2) Keibul Lamjao National Park
 - 3) Keoladeo Ghana National Park
 - 4) Sultanpur National Park
- 29) Consider the following pairs :
- a) Nokrek Biosphere Reserve : Garo Hills
 - b) Logtak (Loktak) Lake : Barail Range
 - c) Namdapha National Park : Dafla Hills
- Which of the above pairs is/are correctly matched?
- 1) (a) only
 - 2) (a) and (c)
 - 3) (b) and (c)
 - 4) (a), (b) and (c)

- 30) Considered the following pairs :
- a) Dampa Tiger Reserve : Mizoram
 - b) Gumti Wildlife : Sikkim
 - c) Saramati Peak : Nagaland
- Which of the above pairs is/are correctly matched?
- 1) (a) and (b) only 2) (a) and (c) 3) (b) and (c) 4) (a), (b) and (c)
- 31) Out of all the Biosphere Reserves in India, four have been recognized on the World Network by UNESCO. Which one of the following is not one of them?
- 1) Gulf of Mannar 2) Kanchenjunga 3) Nanda Devi 4) Sunderbans
- 32) Consider the following pairs :
- | <i>National Park</i> | <i>River flowing through the park</i> |
|--------------------------------|---------------------------------------|
| a) Corbett National Park | : Ganga |
| b) Kaziranga National Park | : Manas |
| c) Silent Valley National Park | : Kaveri |
- Which of the above pairs is/are correctly Matched?
- 1) (a) and (b) only 2) (a) and (c) 3) (b) and (c) 4) None of these
- 33) The first marine sanctuary in India, having within its bounds coral reefs, mollusca, dolphins, tortoises and various kinds of sea birds, has been established in
- 1) Sundarban 2) Chilka Lake 3) Gulf of Kachch 4) Lakshadweep
- 34) Which one of the following is also known as Top Slip ?
- 1) Simlipal National Park 2) Periyar Wildlife Sanctuary
3) Manjira Wildlife Sanctuary 4) Indira Gandhi Wildlife Sanctuary and National Park
- 35) Consider the following statements:
- a) Tropical Evergreen forest : They have more species.
 - b) Tropical Deciduous Forests : They have fewer species but they are found in close proximity eg. Teak.
- Now state whether :
- 1) Only (a) is true 2) Only (b) is true
3) Both (a) and (b) are true 4) Neither (a) nor (b) is true
- 36) Arrange the following types of forests in an ascending order of their heights :
- a) Tropical rainforests b) Coniferous forests
 - c) Deciduous forests
- 1) c, a, b 2) b, c, a 3) a, c, b 4) b, a, c
- 37) With reference to Paramparagat Krishi Vikas Yojana, consider the following statements :
- a) It aims to promote organic farming through a cluster based approach.
 - b) It provides financial support to farmers for adoption of organic farming.
 - c) It is a component of National Mission for sustainable agriculture.
- Answer Option :**
- 1) (a) and (b) only 2) (a) and (c) 3) (b) and (c) 4) (a), (b) and (c)

- 38) Which one of the following best describes the main objective of 'Seed Village Concept'?
- 1) Encouraging the farmers to use their own farm seeds and discouraging them to buy the seeds from others
 - 2) Involving the farmers for training in quality seed production and thereby to make available quality seeds to others at appropriate time and affordable cost
 - 3) Earmarking some villages exclusively for the production of certified seeds
 - 4) Identifying the entrepreneurs in village and providing them technology and finance to set up seed companies

- 39) What is/are the importance/importances of the 'United Nations Convention to Combat Desertification'?
- a) It aims to promote effective action through innovative national programmes and supportive inter-national partnerships.
 - b) It has a special/particular focus on South Asia and North Africa regions, and its Secretariat facilitates the allocation of major portion of financial resources to these regions.
 - c) It is committed to bottom-up approach, encouraging the participation of local people in combating the desertification.

Answer Option :

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

- 40) The FAO accords the status of 'Globally Important Agricultural Heritage System (GIAHS)' to traditional agricultural systems. What is the overall goal of this initiative?
- a) To provide modern technology, training in modern farming methods and financial support to local communities of identified GIAHS so as to greatly enhance their agricultural productivity
 - b) To identify and safeguard eco-friendly traditional farm practices and their associated landscapers, agricultural biodiversity and knowledge systems of the local communities
 - c) To provide Geographical Indication status to all the varieties of agricultural produce in such identified GIAHS

Answer Option :

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

- 41) The most important strategy for the conservation of biodiversity together with traditional human life is the establishment of
- 1) biosphere reserves
 - 2) botanical gardens
 - 3) national parks
 - 4) wildlife sanctuaries

- 42) Which one among the following has the maximum number of National Parks?
- 1) Andaman and Nicobar Islands
 - 2) Arunachal Pradesh
 - 3) Assam
 - 4) Meghalaya

- 43) From the ecological point of view, which one of the following assumes importance in being a good link between the Eastern Ghats and the Western Ghats?
- 1) Sathyamangalam Tiger Reserve
 - 2) Nallamala Forest
 - 3) Nagarhole National Park
 - 4) Seshachalam Biosphere Reserve

- 44) At one of the places in India, if you stand on the seashore and watch the sea, you will find that the sea water recedes from the shore line a few kilometres and comes back to the shore, twice a day, and you can actually walk on the sea floor when the water recedes. This unique phenomenon is seen at
- 1) Bhavnagar 2) Bheemunipatnam 3) Chandipur 4) Nagapattinam
- 45) The term 'M-STriPES' is sometimes seen in the news in the context of
- 1) Captive breeding of Wild Fauna 2) Maintenance of Tiger Reserves
3) Indigenous Satellite Navigation System 4) Security of National Highways
- 46) Recently there was a proposal to translocate some of the lions from their natural habitat in Gujarat to which one of the following sites?
- 1) Corbett National Park 2) Kuno Palpur Wildlife Sanctuary
3) Mudumalai Wildlife Sanctuary 4) Sariska National Park
- 47) In which one of the following States is Pakhui Wildlife Sanctuary located?
- 1) Arunachal Pradesh 2) Manipur 3) Meghalaya 4) Nagaland
- 48) Which one of the following is located in the Baster region ?
- 1) Bandhavgarh National Park 2) Dandeli Sanctuary
3) Rajaji National Park 4) Indravati National Park
- 49) If you want to see gharials in their natural habitat, which one of the following is the best place to visit?
- 1) Bhitarkanika Mangroves 2) Chambal River
3) Pulicat Lake 4) Deepor Beel
- 50) Which of the following are in Agasthyamala Biosphere Reserve?
- 1) Neyyar, Peppara and Shendurney Wildlife Sanctuaries; and Kalakad Mundanthurai Tiger Reserve
2) Mudumalai, Sathyamangalam and Wayanad Wildlife Sanctuaries; and Silent Valley National Park
3) Kaundinya, Gundla Brahme-swaram and Papikonda Wildlife Sanctuaries; and Mukurthi National Park
4) Kawal and Sri Venkateswara Wildlife Sanctuaries; and Nagarjunasagar-Srisailem Tiger Reserve