

# National Testing Agency

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## Ecosystem and Natural Resources

<b>Group Number :</b>	1
<b>Group Id :</b>	94091843
<b>Group Maximum Duration :</b>	0
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<b>Show Attended Group? :</b>	No
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<b>Is this Group for Examiner? :</b>	No

## Ecosystem and Natural Resources-1

<b>Section Id :</b>	94091871
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory

<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	940918114
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 9409182620 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0**

Which of the following scientist coined the term 'Ecology'?

1. EP Odum
2. Ernst Haeckel
3. JB Lamarck
4. Charles Darwin

**Options :**

- 9409189445. 1
- 9409189446. 2
- 9409189447. 3
- 9409189448. 4

**Question Number : 2 Question Id : 9409182621 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 2 Wrong Marks : 0**

In which trophic level, herbivores are included in an ecosystem?

1. First Trophic Level
2. Second Trophic Level
3. Third Trophic Level
4. Fourth Trophic Level

**Options :**

9409189449. 1

9409189450. 2

9409189451. 3

9409189452. 4

**Question Number : 3 Question Id : 9409182622 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

How much energy is transferred from one trophic level to next trophic level in an ecosystem?

1. 5%

2. 10%

3. 15%

4. 25%

**Options :**

9409189453. 1

9409189454. 2

9409189455. 3

9409189456. 4

**Question Number : 4 Question Id : 9409182623 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is not example of Supporting Services of Ecosystem?

1. Primary production

2. Nutrient Cycling

3. Production of atmospheric oxygen

4. Pest Regulation

**Options :**

9409189457. 1

9409189458. 2

9409189459. 3

9409189460. 4

**Question Number : 5 Question Id : 9409182624 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Alpha, Beta and Gamma diversity are three perspective of:

1. Genetic diversity
2. Species diversity
3. Ecosystem diversity
4. Cultural diversity

**Options :**

9409189461. 1

9409189462. 2

9409189463. 3

9409189464. 4

**Question Number : 6 Question Id : 9409182625 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

In which part of the earth, the first living organisms evolved?

1. Mountains
2. Rivers
3. Land
4. Oceans

**Options :**

9409189465. 1

9409189466. 2

9409189467. 3

9409189468. 4

**Question Number : 7 Question Id : 9409182626 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is not a feature of Biodiversity Hotspot?

1. Rich biodiversity
2. High level of endemism
3. Serious level of habitat loss
4. High level of genetic diversity

**Options :**

9409189469. 1

9409189470. 2

9409189471. 3

9409189472. 4

**Question Number : 8 Question Id : 9409182627 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

IUCN stands for:

1. International United Council for Nature
2. International Union for Conservation of nature and Natural Resources
3. Indian Union for Conservation of Natural Resources
4. International Union for Conservation of Nature Reserves

**Options :**

9409189473. 1

9409189474. 2

9409189475. 3

9409189476. 4

**Question Number : 9 Question Id : 9409182628 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Extinction of a particular species means:

1. When the species is facing high risk of depletion
2. When the species has completely disappeared from the earth
3. When the species is not evaluated or assessed about its population
4. When the species is not present in captivity

**Options :**

9409189477. 1

9409189478. 2

9409189479. 3

9409189480. 4

**Question Number : 10 Question Id : 9409182629 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following does not leads to conflict between human and wildlife?

1. Destruction of habitat by human for agriculture
2. Encroachment of wild animals in human settlement for food
3. Creation of national parks and biosphere reserve by human
4. Disruption of migratory routes of wild animal by human

**Options :**

9409189481. 1

9409189482. 2

9409189483. 3

9409189484. 4

**Question Number : 11 Question Id : 9409182630 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is not the example of "In Situ" Conservation of Biodiversity ?

1. National Park
2. Botanical Garden
3. Sacred Groove
4. Sanctuary

**Options :**

9409189485. 1

9409189486. 2

9409189487. 3

9409189488. 4

**Question Number : 12 Question Id : 9409182631 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Cryopreservation means:

1. Preservation in natural condition
2. Preservation in alcohol
3. Preservation in humid condition
4. Preservation in very low temperature

**Options :**

9409189489. 1

9409189490. 2

9409189491. 3

9409189492. 4

**Question Number : 13 Question Id : 9409182632 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

In which climatic region, most of the biodiversity hotspots are located?

1. Tropical region
2. Temperate region
3. Coastal region
4. Polar region

**Options :**

9409189493. 1

9409189494. 2

9409189495. 3

9409189496. 4

**Question Number : 14 Question Id : 9409182633 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Ramsar Convention is related to:

1. Conservation of mammals
2. Conservation of high altitude species
3. Conservation of tropical forests
4. Conservation of wetlands

**Options :**

9409189497. 1

9409189498. 2

9409189499. 3

9409189500. 4

**Question Number : 15 Question Id : 9409182634 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**



Which of the following has the biggest contribution in land degradation?

1. Water and wind erosion
2. Chemical degradation
3. Physical degradation
4. Biological degradation

**Options :**

9409189501. 1

9409189502. 2

9409189503. 3

9409189504. 4

**Question Number : 16 Question Id : 9409182635 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is the example of on-site effect of land degradation of an agricultural plot?

1. Siltation of river beds and dams
2. Reduction in agricultural yield
3. Eutrophication of lakes and ponds
4. Pollution in river water

**Options :**

9409189505. 1

9409189506. 2

9409189507. 3

9409189508. 4

**Question Number : 17 Question Id : 9409182636 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following land use occupies the largest geographic area in India?

1. Forest land
2. Agriculture land
3. Waste land
4. Build up land

**Options :**

9409189509. 1

9409189510. 2

9409189511. 3

9409189512. 4

**Question Number : 18 Question Id : 9409182637 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Human's use of soil for food production is as old as:

1. About 1000 years
2. About 2000 years
3. About 10,000 years
4. About 1 lakh years

**Options :**

9409189513. 1

9409189514. 2

9409189515. 3

9409189516. 4

**Question Number : 19 Question Id : 9409182638 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is the largest component of normal agricultural soil?

1. Mineral matter
2. Organic matter
3. Soil water
4. Soil air

**Options :**

9409189517. 1

9409189518. 2

9409189519. 3

9409189520. 4

**Question Number : 20 Question Id : 9409182639 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Contribution of soil biodiversity in the total biodiversity is about:

1. 7%
2. 23%
3. 41%
4. 53%

**Options :**

9409189521. 1

9409189522. 2

9409189523. 3

9409189524. 4

**Question Number : 21 Question Id : 9409182640 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which type of soil of the following is formed by deposition of silt carried by rivers?

1. Alluvial soil
2. Black cotton soil
3. Marshy and peaty soil
4. Laterite soil

**Options :**

9409189525. 1

9409189526. 2

9409189527. 3

9409189528. 4

**Question Number : 22 Question Id : 9409182641 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

What population of the world is suffering from crisis of clean drinking water?

1. About 1.2 million
2. About 500 million
3. About 1.2 billion
4. About 6 billion

**Options :**

9409189529. 1

9409189530. 2

9409189531. 3

9409189532. 4

**Question Number : 23 Question Id : 9409182642 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which activity among the following is the largest consumer of fresh water worldwide?

1. Irrigation
2. Industrial use
3. Domestic use
4. Recreation

**Options :**

9409189533. 1

9409189534. 2

9409189535. 3

9409189536. 4

**Question Number : 24 Question Id : 9409182643 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is not the phase of hydrologic cycle?

1. Evaporation & transpiration
2. Precipitation
3. Runoff
4. Eutrophication

**Options :**

9409189537. 1

9409189538. 2

9409189539. 3

9409189540. 4

**Question Number : 25 Question Id : 9409182644 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following facts is not true about pattern of rainfall?

1. Continental areas tend to be dry due to large distance from moisture sources like ocean
2. Polar areas are warm as cold air cannot hold much moisture as warm air
3. Areas near equator receive less rainfall as they become dry due to direct solar radiation
4. Mountain ranges near water sources can receive high rainfall

**Options :**

9409189541. 1

9409189542. 2

9409189543. 3

9409189544. 4

**Question Number : 26 Question Id : 9409182645 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Ganga Action Plan was launched in:

1. 1978
2. 1983
3. 1986
4. 1993

**Options :**

9409189545. 1

9409189546. 2

9409189547. 3

9409189548. 4

**Question Number : 27 Question Id : 9409182646 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is not the major driver to enormous expansion of water resource infrastructure in past century?

1. Population growth
2. Marine transport
3. Changing standard of living
4. Expansion of irrigated agriculture

**Options :**

9409189549. 1

9409189550. 2

9409189551. 3

9409189552. 4

**Question Number : 28 Question Id : 9409182647 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is not a good approach to resolve trans boundary water conflicts?

1. Dividing water between the nations in equal amount
2. Benefit sharing between the nations
3. Focusing on various values derived from water use in multiple spheres
4. Equitable access and partnership to conserve shared water

**Options :**

9409189553. 1

9409189554. 2

9409189555. 3

9409189556. 4

**Question Number : 29 Question Id : 9409182648 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following sources of water has highest contribution in supply of domestic water?

1. River water
2. Ground water
3. Water from fresh lake
4. Glaciers

**Options :**

9409189557. 1

9409189558. 2

9409189559. 3

9409189560. 4

**Question Number : 30 Question Id : 9409182649 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is the example of intrinsic value?

1. Aesthetic value
2. Ethical value
3. Recreational value
4. Economic value

**Options :**

9409189561. 1

9409189562. 2

9409189563. 3

9409189564. 4

**Question Number : 31 Question Id : 9409182650 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**



Fresh water is example of:

1. Exhaustible & Renewable resource
2. Exhaustible & Non-renewable resource
3. Inexhaustible & Renewable resource
4. Inexhaustible & Non-renewable resource

**Options :**

9409189565. 1

9409189566. 2

9409189567. 3

9409189568. 4

**Question Number : 32 Question Id : 9409182651 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is related to capacity of an ecosystem to tolerate stress?

1. Supportive capacity
2. Assimilative capacity
3. Sustainable yield
4. Carrying capacity

**Options :**

9409189569. 1

9409189570. 2

9409189571. 3

9409189572. 4

**Question Number : 33 Question Id : 9409182652 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

What is the average temperature of the earth surface due to green house gases?

1. 10 degree Celsius
2. 15 degree Celsius
3. 20 degree Celsius
4. 25 degree Celsius

**Options :**

9409189573. 1

9409189574. 2

9409189575. 3

9409189576. 4

**Question Number : 34 Question Id : 9409182653 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is not a necessary feature of Alternative source of energy?

1. Environmental friendly
2. Minimum pollution
3. High efficiency
4. Renewability

**Options :**

9409189577. 1

9409189578. 2

9409189579. 3

9409189580. 4

**Question Number : 35 Question Id : 9409182654 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Different components of fossil fuels like petrol, diesel, heavy oil etc. are separated through the process of:

1. Primary oil recovery
2. Secondary oil recovery
3. Tertiary oil recovery
4. Fractional distillation

**Options :**

9409189581. 1

9409189582. 2

9409189583. 3

9409189584. 4

**Question Number : 36 Question Id : 9409182655 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following gases has the highest proportion in natural gas?

1. Methane
2. Ethane
3. Propane
4. Butane

**Options :**

9409189585. 1

9409189586. 2

9409189587. 3

9409189588. 4

**Question Number : 37 Question Id : 9409182656 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

If we consider the entire cycle of power generation, which of the following facts is true about Nuclear Power Generation?

1. It does not create greenhouse gas emission
2. It create lesser green house gas emission as compared to coal
3. It create about equal green house gas emission as compared to coal
4. It create much more green house gas emission as compared to coal

**Options :**

9409189589. 1

9409189590. 2

9409189591. 3

9409189592. 4

**Question Number : 38 Question Id : 9409182657 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

What is contribution of hydroelectricity in total power supply of the world?

1. About 5%
2. About 11%
3. About 20%
4. About 38%

**Options :**

9409189593. 1

9409189594. 2

9409189595. 3

9409189596. 4

**Question Number : 39 Question Id : 9409182658 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is the most common biofuel worldwide?

1. Gasoline
2. Ethanol
3. Methyl Acetate
4. Bio gas

**Options :**

9409189597. 1

9409189598. 2

9409189599. 3

9409189600. 4

**Question Number : 40 Question Id : 9409182659 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is the most common strategy for electricity storage?

1. Electrochemical energy storage
2. Compressed air energy storage
3. Pumped hydroelectric storage
4. Superconducting magnetic energy storage

**Options :**

9409189601. 1

9409189602. 2

9409189603. 3

9409189604. 4

**Question Number : 41 Question Id : 9409182660 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Minerals that are necessary for production of essential goods are classified as:

1. Critical minerals
2. Energy minerals
3. Strategic minerals
4. Precious minerals

**Options :**

9409189605. 1

9409189606. 2

9409189607. 3

9409189608. 4

**Question Number : 42 Question Id : 9409182661 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is not a type of mining waste?

1. Tailing
2. Waste rock
3. Slags
4. Ore

**Options :**

9409189609. 1

9409189610. 2

9409189611. 3

9409189612. 4

**Question Number : 43 Question Id : 9409182662 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is not a way of saving energy?

1. Minimizing transportation of energy
2. Not converting energy from one form to other form unnecessarily
3. Increasing steps of energy conversion
4. Increasing energy conversion efficiencies

**Options :**

9409189613. 1

9409189614. 2

9409189615. 3

9409189616. 4

**Question Number : 44 Question Id : 9409182663 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Dissipative use of mineral means:

1. Where recycling is easily done with little use of energy
2. Where totality of material is lost and recovery is impossible
3. Where minerals are used in multiple ways
4. Where mineral can be recycled about 50% of the original amount

**Options :**

9409189617. 1

9409189618. 2

9409189619. 3

9409189620. 4

**Question Number : 45 Question Id : 9409182664 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is the most sustainable society?

1. Matter recycling society
2. High waste society
3. High throughput society
4. Earth wisdom society

**Options :**

9409189621. 1

9409189622. 2

9409189623. 3

9409189624. 4

**Question Number : 46 Question Id : 9409182665 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

How many centres of origin of cultivated plants have been described so far?

1. 3 (three)
2. 5 (five)
3. 8 (eight)
4. 15 (fifteen)

**Options :**

9409189625. 1

9409189626. 2

9409189627. 3

9409189628. 4

**Question Number : 47 Question Id : 9409182666 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**



Which of the following does not reflect the importance of agrobiodiversity?

1. It ensures food security
2. It contribute in spread of invasive species
3. It promotes diversity of products and income opportunities
4. it helps in sound pest and disease management

**Options :**

9409189629. 1

9409189630. 2

9409189631. 3

9409189632. 4

**Question Number : 48 Question Id : 9409182667 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following was not a reason of significant growth in grain production during years 1960 to 2000?

1. Intensive nitrogen mineralization
2. Use of high agrobiodiversity
3. Effective use of herbicides for weed control
4. Use of high yielding varieties

**Options :**

9409189633. 1

9409189634. 2

9409189635. 3

9409189636. 4

**Question Number : 49 Question Id : 9409182668 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

About how many edible plant species are used by humans?

1. 15 to 20
2. 50 to 60
3. 150 to 200
4. 500 to 600

**Options :**

9409189637. 1

9409189638. 2

9409189639. 3

9409189640. 4

**Question Number : 50 Question Id : 9409182669 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is the best approach for agrobiodiversity conservation?

1. Breeding of genetic resources by farming communities in their farms
2. Ex situ conservation strategy like refrigerated seed bank
3. Economic incentives to farmers
4. Conservation of genetic resources in protected areas

**Options :**

9409189641. 1

9409189642. 2

9409189643. 3

9409189644. 4