

SpellIndia

INDIA'S **1**
No.

SPELLING BEE

Preparatory Study Material
Provider

www.phonicstore.com

ICSE ACADEMY
www.spellbeeacademy.com



Past Year Papers

PREPARE

for

ICSE

Class 10

**Environmental
Science**



ICSE ACADEMY: How to Prepare for ICSE Class 10 exams

<https://www.spellbeeacademy.com/icse.html>



How to Prepare for ICSE Class 10 exams : Free Resources

Please click on subject to proceed further.

We will keep adding resources here till "March 2026".

So, save this link, keep visiting and stay updated.

(Resources include : Syllabus, Past Year Papers, Specimen Papers, Competency based Questions, Books pdf downloadable, 350+ Term Papers / Prelim Papers of various schools - across subjects, etc.)

- | | | | |
|--------------------------|-----------------------|--------------------------|-----------------------|
| 01 English Literature | 02 English Language | 03 Geography | 04 History & Civics |
| 05 Physics | 06 Chemistry | 07 Mathematics | 08 Biology |
| 09 Computer Applications | 10 Physical Education | 11 Hindi | 12 Commercial Studies |
| 13 Economics | 14 Technical Drawing | 15 Environmental Science | 16 Home Science |
| 17 Gujarati | 18 Marathi | 19 French | |



SCAN QR code to buy the book at amazon NOW.

SpellIndia
INDIA's No. 1 SPELLING BEE
Preparatory Study Material Provider
www.spellindia.com

ICSE ACADEMY
www.spellbeeacademy.com

Pati's

PREPARE
for
ICSE
Classes 9 & 10
ENGLISH GRAMMAR
(Includes - Board Specimen Papers of 6 years & Competency-focused questions)

28 YEARS Past Questions

75 Practice TESTS

Authoring to board exams 2024-2027 exams

Debashis Pati
Author is the 1st individual to write preparatory books on various topics of 'multiple' Spelling Bee competitions in India. He has written the Maximum Number of Spelling Books as well as Tests in the world.
ing / Vocabulary / Grammar Olympiad Exam conductor.



SpellIndia
INDIA's No. 1 SPELLING BEE
Preparatory Study Material Provider
www.spellindia.com

ICSE ACADEMY
www.spellbeeacademy.com

Pati's

PREPARE
for
ICSE
Class 10
(Acts 3 to 5 only)
Julius Caesar

1000+ Practice QUESTIONS*

30 Practice TESTS
(With short questions of 10 marks)

Past Years' Questions (13 years: 1990 onwards)
Competency focused Questions (1 year)
Multiple choice Questions (850+ nos*)
Extract based Questions (65+ extracts*)
*Includes the questions of the 13 past years' questions and the 30 tests.

Authoring to board exams 2024-2027 exams

Debashis Pati
Author is the 1st individual to write preparatory books on various topics of 'multiple' Spelling Bee competitions in India. He has written the Maximum Number of Spelling Books as well as Tests in the world.
ing / Vocabulary / Grammar Olympiad Exam conductor.



SpellIndia
INDIA's No. 1 SPELLING BEE
Preparatory Study Material Provider
www.spellindia.com

ICSE ACADEMY
www.spellbeeacademy.com

Pati's

PREPARE
for
ICSE
Class 10
HINDI GRAMMAR
350+ Sample practice questions & # 51 Tests

350+ SAMPLE QUESTIONS

51 TEST PAPERS

Authoring to board exams 2025 / 2026 onwards

तामसी पति
Tamasee Pati



SpellIndia
INDIA's No. 1 SPELLING BEE
Preparatory Study Material Provider
www.spellindia.com

ICSE ACADEMY
www.spellbeeacademy.com

Pati's

PREPARE
for
ICSE
Class 10
CIVICS
The TESTS are based on the Prelim / Pre-board papers of various schools. Answers are provided for all.
Competency Based Questions and 3 Specimen Papers are provided.

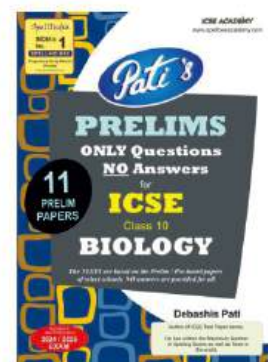
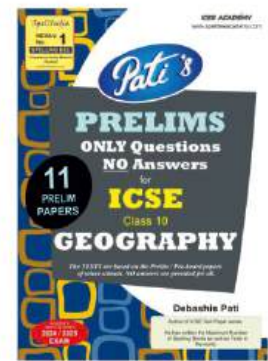
40 TEST PAPERS

Authoring to board exams 2024 / 2025 EXAM

Debashis Pati
Author of ICSE Test Paper series.
is the Maximum Number books as well as Tests in the world.



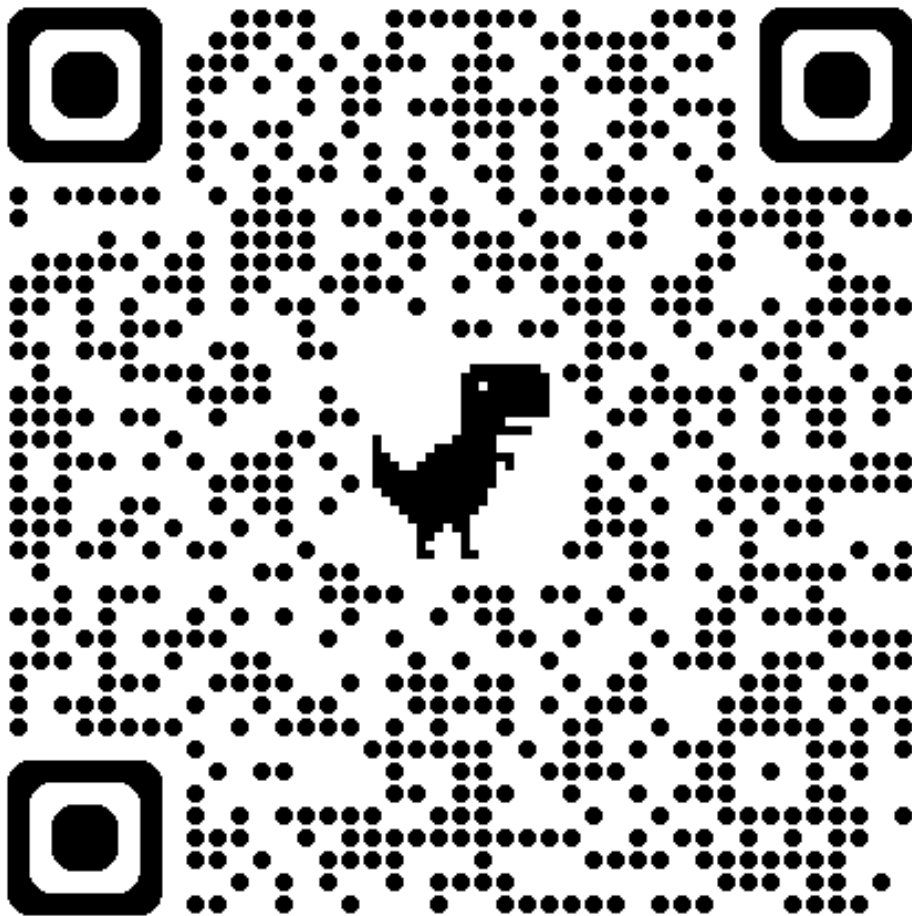
Scan QR code for Free Access to 500+ Prelim Papers across 20 subjects



Prepare for ICSE CLASS 10 Environmental Science

Free Resources

SCAN QR CODE Now





ICSE ACADEMY

Past Year Papers

- 2025

- 2024

- 2023

Note : These are Specimen Papers of CISCE.

ENVIRONMENTAL SCIENCE

Maximum Marks: 80

Time allowed: Two hours

1. Answers to this Paper must be written on the paper provided separately.
2. You will **not** be allowed to write during the first 15 minutes.
3. This time is to be spent in reading the question paper.
4. The time given at the head of this Paper is the time allowed for writing the answers.
5. Attempt **all** questions from **Section A** and **any four** questions from **Section B**.
6. The intended marks for questions or parts of questions are given in brackets [].

Instruction for the Supervising Examiner

Kindly read aloud the Instructions given above to all the candidates present in the Examination Hall.

This paper consists of 11 printed pages and 1 blank page.

T25 821 I

© Copyright reserved.

Turn Over

SECTION A (40 Marks)

(Attempt all questions from this Section.)

Question 1

[16]

Choose the correct answers to the questions from the given options.

(Do not copy the questions, write the correct answers only.)

(i) Vehicular pollution : : _____; Industrial Pollution : : Cyclone Separator

- (a) Wood
- (b) Smokeless Chullah
- (c) Catalytic converter
- (d) Diesel

(ii) **Assertion (A):** The economy of a family depends on the size of it.

Reason (R): The children can get better education and health care.

- (a) (A) is True but (R) is False.
- (b) (A) is False but (R) is True.
- (c) Both (A) and (R) are True but (R) is not the correct explanation of (A).
- (d) Both (A) and (R) are True and (R) is the correct explanation of (A).

(iii) The statistical study of Population of a country is known as:

- (a) Birth rate
- (b) Demography
- (c) Growth Rate
- (d) Death rate

- (iv) Which one of the following is eco-friendly?
- (a) Using solar cooker
 - (b) Using plastic bags
 - (c) Using diesel in vehicles
 - (d) Use chemical pesticides in agriculture.
- (v) The two forms of fossil fuels are:
- (a) Methanol and Ethanol
 - (b) Petrol and CNG
 - (c) Biomass and Petrol
 - (d) Diesel and Methanol
- (vi) In-situ conservation is keeping animals and plants in:
- (a) Gene bank
 - (b) Keeping them in Biosphere
 - (c) Conserving in Botanical gardens
 - (d) Keeping them in Zoo
- (vii) The Dal Lake in Srinagar is covered with algal bloom and aquatic plants leading to reduced oxygen level in the lake. Which one of the following is a reason for this?
- (a) The lake is rich in nutrients from surrounding areas.
 - (b) There are many aquatic animals in the lake.
 - (c) The lake gets covered with snow during winter.
 - (d) The lake has lot of sunlight.

(viii) Rearrange the following steps in the Ascending order for implementing mixed cropping:

Step 1: Plant the main crop

Step 2: Prepare the soil with organic matter and fertilisers

Step 3: Select compatible crops for intercropping

Step 4: Harvest the crops

(a) Step 2, Step 3, Step 1, Step 4

(b) Step 4, Step 3, Step 2, Step 1

(c) Step 1, Step 2, Step 3, Step 4

(d) Step 3, Step 1, Step 4, Step 2

(ix) Integrated Pest Management reduces the application of _____.

(a) Health problems

(b) Environment damage

(c) Pesticides

(d) Fertilisers

(x) **Assertion (A):** Sustainable development requires a multidisciplinary approach.

Reason (R): It involves balancing economic, social, and environmental considerations.

(a) (A) is true but (R) is false.

(b) (A) is false but (R) is true.

(c) Both (A) and (R) are true and (A) is the correct explanation of (R).

(d) Both (A) and (R) are true but (R) is the correct explanation of (A).

- (xi) In relation to IUCN classification of species match each item in COLUMN I with one item in COLUMN II and choose the correct answer:

COLUMN I

COLUMN II

- | | |
|-----------------------------|---|
| 1. PETA | A. Documentation of species |
| 2. Buffer zone | B. Vegetative and gene are preserved |
| 3. Seed banks or gene banks | C. Education and other activities are carried out |
| 4. Red Data book | D. To protect the rights of animals. |

(a) 1–A, 2–B, 3–C, 4–D

(b) 1–D, 2–C, 3–B, 4–A

(c) 1–B, 2–D, 3–A, 4–C

(d) 1–C, 2–A, 3–D, 4–B

- (xii) Which of these is NOT a method of soil conservation?

(a) Intercropping

(b) Mulching

(c) Weathering

(d) Contour ploughing

- (xiii) The main objective of sustainable methods of modern conservation is to:

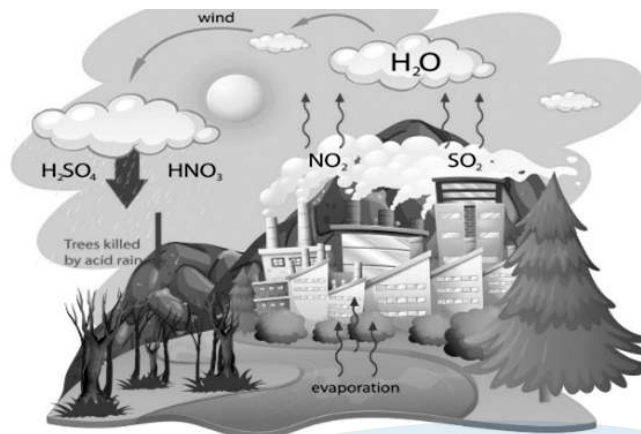
(a) maintain essential ecological process and life support system.

(b) reduce the vehicular pollution.

(c) use natural resources judiciously

(d) increase the powerful species.

(xiv) Study the picture given below and state the phenomenon represented by this:



- (a) Acid Rain
(b) Global Warming
(c) Eutrophication
(d) Ozone depletion
- (xv) Which of the following is INCORRECT in the case of unfair trade?
- (a) The poor are made richer by unfair trade practices.
(b) Unfair trade practice is to be major cause for environmental deterioration.
(c) Developing countries want to trade reserves of wildlife to earn money.
(d) Developed countries want to conserve reserves of wildlife and restrict the trade.
- (xvi) Which one of the following is an incorrect pair:
- (a) HYV → Better yield
(b) Chemical fertiliser → Eco friendly
(c) Vermicomposting → Earth worms
(d) Farmyard manure → Cattle dung

Question 2

- (i) What is TTZ with reference to air pollution? Why was it formed? [2]
- (ii) Why is it necessary to have CNG vehicles in public transport system? [2]
- (iii) The population of a developing country rises every year. Write *two* causes for this rise in population. [2]
- (iv) Mention *any two* problems faced by the people staying in slums. [2]

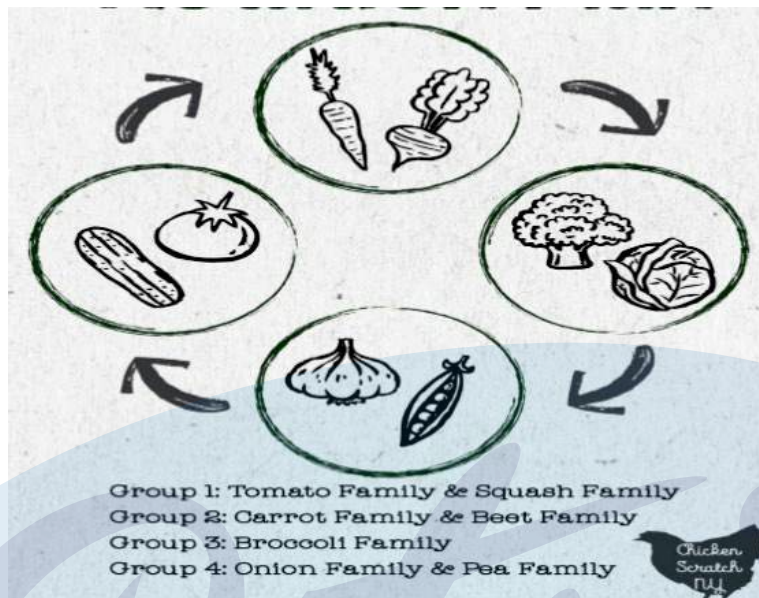
Question 3

- (i) Give *two* reasons for people going back to their villages after staying in the cities for some time. [2]
- (ii) Write *two* methods you would use to reduce pests in homes and crop fields. [2]
- (iii) List *two* alternative methods or materials which can be used to reduce cutting down of trees. [2]
- (iv) What is the difference between Polyculture and Monoculture? [2]

Question 4

- (i) What is the significance of the core and buffer zone of Biosphere reserve? [2]
- (ii) What is the role of small-scale industries in reducing poverty? [2]
- (iii) What are the effects that the MIC gas had on the people of Bhopal when it leaked from the Union Carbide factory? [2]

- (iv) What practice of growing crops is shown in the picture given below? Write one advantage of it? [2]



SECTION B (40 Marks)

(Attempt **any four** questions from this Section.)

Question 5

- (i) “Taylor Swift, the American singer was trolled on the internet for releasing carbon foot print due to her extensive travel” (Carbon credits.com). A global protocol agreement was signed in Japan in 1997 to address this issue. [5]
- (a) Name the agreement and what was the objective of it?
- (b) Write *three* ways by which you can control air pollution in urban areas.
- (ii) State and explain any five effects of rising population on a country’s economy, urban life and natural resources. [5]

Question 6

- (i) There are many NGOs who campaign to bring about sustainable development and conservation of environment. List five ways by which NGOs promote environmental protection. [5]
- (ii) Scientists have observed that average temperatures of the earth have risen by 1.5°C over the past two decades. Environmentalists attribute these changes to global warming, which is a direct result of the increased greenhouse gases in the atmosphere. [5]
- (a) What is greenhouse effect?
- (b) Write *two* causes and *two* effects of global warming?

Question 7

- (i) Riya noticed that her apartment complex generates large amount of kitchen and garden waste daily. [5]
- (a) Is this Biodegradable or Nonbiodegradable waste?
- (b) Explain a method the apartment should opt to dispose this kind of waste.
- (c) Name a toxic waste released from hospitals. How is it disposed?
- (ii) Answer the following questions on Biodiversity. [5]
- (a) Write *two* causes of loss of Biodiversity.
- (b) What is captive breeding? Write disadvantages of ex-situ conservation.

Question 8

- (i) As the head of the Environment Club, suggest *any five* practical ways the school can conserve energy and promote the use of renewable energy sources. [5]
- (ii) HYV seeds and organic fertilisers are being used widely by farmers in some parts of India. [5]
- (a) Write the expanded form of HYV seeds.
- (b) Why are HYV seeds widely used, write two advantages of these seeds?
- (c) Give *two* reasons for the use of organic fertilisers.

Question 9

“Motorists using the Ghodbunder road, Mumbai, had to endure a harrowing experience amid traffic snarls due to multiple vehicle breakdown at ghat section and sparse police presence”

(TOI 23rd Dec 2023)

- (i) How will this traffic congestion affect the environment? [5]
- Write *four* ways to manage traffic to solve this problem.
- (ii) What is Urbanisation? Mention *four* disadvantages of Urbanisation? [5]

Question 10

- (i) What is sustainable development? [5]

Write *four* ways that we can opt to bring sustainable development.

- (ii) *Satellite images have numerous applications in variety of fields.* [5]

Explain *five* fields in which satellite imagery is used to monitor the environment.



ENVIRONMENTAL SCIENCE

Maximum Marks: 80

Time allowed: Two hours

1. *Answers to this Paper must be written on the paper provided separately.*
2. *You will **not** be allowed to write during the first 15 minutes.*
3. *This time is to be spent in reading the question paper.*
4. *The time given at the head of this Paper is the time allowed for writing the answers.*
5. *Attempt **all** questions from **Section A** and **any four** questions from **Section B**.*
6. *The intended marks for questions or parts of questions are given in brackets [].*

Instruction for the Supervising Examiner

Kindly read aloud the Instructions given above to all the candidates present in the Examination Hall.

This paper consists of 11 printed pages and 1 blank page.

T25 821

© Copyright reserved.

Turn Over

SECTION A (40 Marks)

(Attempt all questions from this Section.)

Question 1

[16]

Choose the correct answers to the questions from the given options.

(Do not copy the questions, write the correct answers only.)

(i) Four Stroke Engine : Vehicular Pollution : : Electrostatic Precipitator :

- (a) Domestic Combustion
- (b) Industrial Pollution
- (c) Taj Trapezium Zone
- (d) Effective Traffic Management

(ii) **Assertion (A):** Population control is necessary to maintain the natural resource of country.

Reason (R): The rising population exhausts the resources at a fast rate.

- (a) (A) is true and (R) is false.
- (b) (A) is false and (R) is true.
- (c) Both (A) and (R) are true and (A) is the correct explanation of (R).
- (d) Both (A) and (R) are true but (R) is not the correct explanation of (A).

(iii) Birth rate is also known as:

- (a) Natality
- (b) Demography
- (c) Demographic transition
- (d) Mortality

- (iv) Which of the following is an eco-friendly activity that can be practised?
- (a) Utilising fossil fuel vehicle for shorter distances.
 - (b) Using plastic bags for shopping.
 - (c) Carrying cloth bags for shopping.
 - (d) Using excess pesticides.
- (v) The town planning committee has asked you, as a student representative, to create awareness about land use amongst citizens.

Which one of the following suggestions would you give for proper land use?

- (a) Construct more green buildings.
 - (b) Increase mining and forest activity for maximum use of land resources.
 - (c) Taking measures to reduce degradation and exploitation of land resources.
 - (d) Make land available for more buildings.
- (vi) Match the following columns correctly.

Column I

- 1. IUCN
- 2. Ramsar Convention
- 3. Extinct species
- 4. CITES

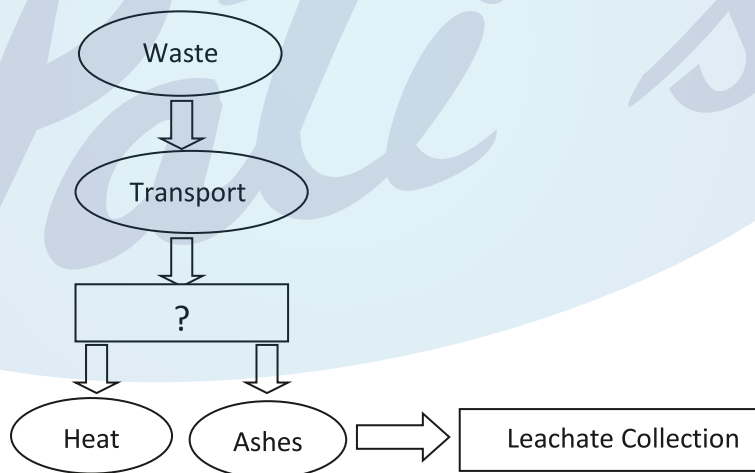
Column II

- A. Totally wiped-out species
- B. Checks International trading of wildlife
- C. Wetland conservation
- D. Red Data book listing endangered species

- (a) 1-A, 2-B, 3-C, 4-D
- (b) 1-B, 2-C, 3-D, 4-A
- (c) 1-C, 2-B, 3-A, 4-D
- (d) 1-D, 2-C, 3-A, 4-B

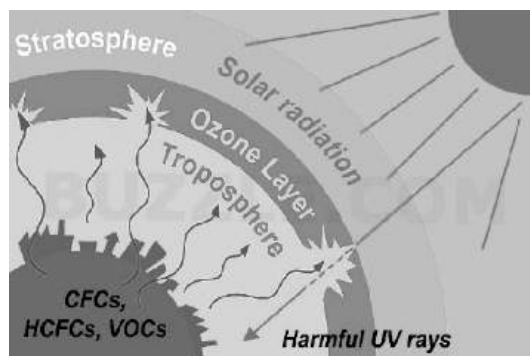
- (vii) Recycling timber is eco-friendly because:
- (a) more landfill waste is generated.
 - (b) it uses more energy.
 - (c) it decreases deforestation.
 - (d) recycled timber has more moisture.
- (viii) Soil erosion can be prevented by:
- (a) Deforestation
 - (b) Drip irrigation
 - (c) Contour ploughing
 - (d) Removal of vegetation
- (ix) Seeds of new plant varieties obtained by breeding of closely related plants are:
- (a) Dicotyledonous seeds
 - (b) Hybrid seeds
 - (c) Open-pollinated seeds
 - (d) Monocotyledonous seeds
- (x) Which of the following is an ecological approach to pest control?
- (a) Integrated Pest Management
 - (b) Use of Biofertilizers
 - (c) Integrated Nutrient Supply Programme
 - (d) Bioremediation

- (xi) Which of the following is an example of *Ex-situ* conservation?
- (a) Gir National Park
 - (b) Nanda Devi Biosphere Reserve
 - (c) Bharatpur Bird Sanctuary
 - (d) Byculla Zoo in Mumbai
- (xii) The Chernobyl disaster occurred on 26th April, 1986 in _____ releasing _____ particles into the atmosphere.
- (a) Brazil : SPM
 - (b) Ukraine : Radioactive
 - (c) Canada : Ultrafine
 - (d) Russia : VOC
- (xiii) Identify the process of waste disposal shown through a flowchart given below:



- (a) Sanitary Landfill
- (b) Incineration
- (c) Open dumping
- (d) Mulching

- (xiv) Study the picture given below. The effect of air pollution shown in this picture is:



- (a) Acid rain
(b) Ozone depletion
(c) Global warming
(d) Smog formation
- (xv) Identify the incorrect pair.
- (a) Montreal Protocol - Greenhouse gases
(b) Global Environmental Facility - supports projects on international waters
(c) Multinational companies - operate in multiple countries
(d) Biotechnology - genetically modified organisms
- (xvi) "Follow the 3 Rs and repair the Earth." On the basis of this statement, identify which of the following 'R' is followed when fly ash from power plants is used as a cement substitute.
- (a) Reduce
(b) Reuse
(c) Recycle
(d) Recharge

Question 2

- (i) What is TTZ with reference to the World Heritage monument in India? [2]
Why was it formed?
- (ii) Write *any two* strategies that can be used to control population in the [2]
developing countries.
- (iii) Mention the environmental impacts of construction activities in urban areas. [2]
- (iv) *Urban residents live longer and have lower infant mortality rates than rural [2]
population. State any two reasons for the given statement.*

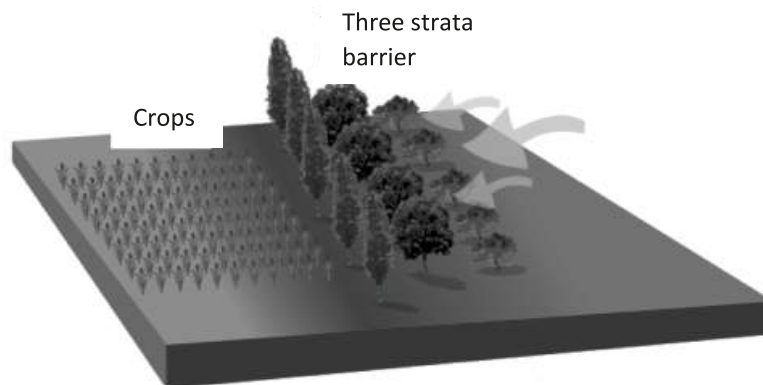
Question 3

- (i) State *any two* reasons for recycling water. [2]
- (ii) *Soil becomes vulnerable to erosion through human activities. State any two [2]
human activities that destroy plant cover.*
- (iii) How does biotechnology help to increase food production? [2]
- (iv) Give a reason why *polyculture* is better than *monoculture*. [2]

Question 4

- (i) Why are *wetlands* important to us? [2]
- (ii) Mention *any two* unfair trade means practised by the developed countries. [2]
- (iii) What is *green manure*? Give *any one* benefit of using *green manure*. [2]

(iv)



[2]

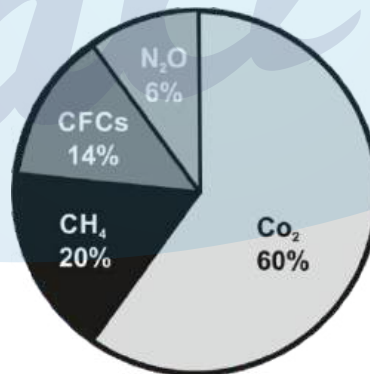
- Which farming technique is associated with the strategic plantation of trees as depicted in the image?
- How does this technique contribute to a sustainable agriculture?

SECTION B (40 Marks)

(Attempt any four questions from this Section.)

Question 5

- Observe the diagram showing the percentage of gases released by vehicles: [5]



- Name the gas which is released in maximum amount.
- The increase of the above-mentioned gas became a global concern, therefore an international agreement was signed in Japan in 1977. Name this agreement and write *one* objective of the agreement.
- How is methane used in rural as well as urban areas?

- (d) Write *one* effect of the presence of excess oxides of nitrogen in the atmosphere.
- (ii) Mushroom farming and handicraft business are small scale industries. How can these industries help to reduce poverty and bring about economic development? [5]

Question 6

- (i) The private sector and programmes like 'Swachh Bharat Abhiyan' aim to keep surroundings clean and improve the living conditions in the city. [5]
- (a) List *any two* ways in which private enterprises participate in improvement of the city.
- (b) Mention *any three* ways by which public awareness can be created to keep surroundings clean.
- (ii) (a) What is *energy plantation*? [5]
- (b) Write *any two* ways in which energy plantation is useful to humans and environment.
- (c) What forms of livelihood can people take up to depend less on forests?

Question 7

- (i) *Excessive exploitation of species, whether a plant or animal reduces the size of its population, so it becomes vulnerable to extinction.* [5]
- (a) Write *any two* causes of biodiversity loss.
- (b) Name *any two* advantages and *any one* disadvantage of In-situ conservation.
- (ii) What is *Conservation Tillage*? Mention *any three* advantages of *Conservation Tillage*. [5]

Question 8

- (i) Read the following passage and answer the questions that follow: [5]

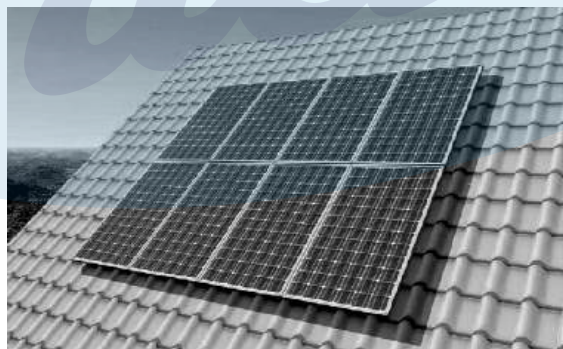
In India vermicomposting has been practiced intermittently for more than three decades. It is also taken up by farmers on an individual basis to fulfil their own needs. Farmers adopting the practice can apply for subsidies and financial assistance to set up vermicompost units through government programs.

(Source: <https://www.ceew.in/publications/sustainableagriculture-india-2021>)

- (a) What is vermicomposting?
(b) Why are the farmers adopting the practice of vermicomposting in agricultural fields?
- (ii) What is a gene bank? List *any two* objectives of maintaining gene banks. [5]
Suggest *any two* causes of global food imbalance.

Question 9

- (i) Answer the questions based on the image given below: [5]



- (a) Name the technology shown in the image, which is used as an alternative source of energy.
(b) Give *any two* advantages and *any two* disadvantages of the above technology which is used to save power.

- (ii) Write *any three* characteristics of a Sustainable City. Give *any two* reasons why sustainable cities are the need of the hour. [5]

Question 10

- (i) NGOs are involved in environmental protection aiming to promote ecofriendly technology, stopping degradation and reducing pollution. [5]

With reference to this, write *any two* ways by which NGO's help to protect the environment.

State *any three* ways by which NGOs can use satellite imagery to monitor the global environment.

- (ii) What do you understand by international trade? State *any four* ways in which people of a country are benefitted by this. [5]

ENVIRONMENTAL SCIENCE

Maximum Marks: 80

Time allowed: Two hours

Answers to this Paper must be written on the paper provided separately.

*You will **not** be allowed to write during the first 15 minutes.*

This time is to be spent in reading the question paper.

The time given at the head of this Paper is the time allowed for writing the answers.

*Attempt **all** questions from **Section A** and **any four** questions from **Section B**.*

The intended marks for questions or parts of questions are given in brackets [].

SECTION A (40 Marks)

*(Attempt **all** questions from this Section.)*

Question 1

[16]

Choose the correct answers to the questions from the given options.

(Do not copy the questions, write the correct answers only.)

- (i) The mechanical device which reduces air pollution from industries is:
- (a) Two stroke engines
 - (b) Catalytic converter
 - (c) Solar panels
 - (d) Electrostatic precipitator
- (ii) Captive breeding is a means:
- (a) to protect wild animals in forests
 - (b) to restore extinct species
 - (c) to breed wild animals in zoos and botanical gardens
 - (d) to allow animals to breed in natural habitat

This paper consists of 8 printed pages.

T24 821

© Copyright reserved.

Turn Over

(iii) Choose the **incorrect pair** from the following:

- (a) Organic fertilizers → Agricultural residue
- (b) Composting → Organic wastes
- (c) Vermicomposting → Earthworms
- (d) Green manure → Chemical compounds

(iv) An ecocity is:

- (a) a satellite city of an urban area
- (b) a rural area linked to a city
- (c) a less populated city
- (d) a sustainable city

(v) Match each item in COLUMN I with one item in COLUMN II and choose the correct answer:

COLUMN I

COLUMN II

- | | |
|----------------------------------|------------------------------|
| 1. Montreal Protocol | A. Empowerment of women |
| 2. Cairo Conference | B. Protection of animals |
| 3. Global Environmental Facility | C. Funds for climate change |
| 4. CITES | D. Ozone depleted substances |

- (a) 1-A 2-B 3-C 4-D
- (b) 1-B 2-A 3-D 4-C
- (c) 1-D 2-A 3-C 4-B
- (d) 1-C 2-B 3-A 4-D

(vi) The reason for poor standard of living and malnutrition in India is:

- (a) Over population
- (b) Environmental conditions
- (c) Absence of natural resources
- (d) Poor economy of rural India

(vii) **Assertion (A):** MNC's made better infrastructures, brought employment and reduced the gap between the developed and developing nations.

Reason(R): MNC's exploited the resources and acquired land, thus destroying the ecology.

- (a) A is True and R is False
- (b) A is False and R is True
- (c) Both A and R are True and R is the correct explanation of A
- (d) Both A and R are True but R is not the correct explanation of A

(viii) Which source of electricity generation is least harmful to the environment?

- (a) Coal
- (b) Nuclear energy
- (c) Gasoline
- (d) Diesel

(ix) The figure given alongside refers to a major International Conference on the environment. This was held in:

- (a) Kyoto in Japan
- (b) Rio de Janeiro in Brazil
- (c) Cairo in Egypt
- (d) Montreal in Canada



(x) Biomass refers to:

- (a) Plant waste, animal waste and agricultural residue
- (b) Industrial waste
- (c) Biogas plant
- (d) Fertilizers and pesticides

(xi) **Assertion (A):** The satellite imagery is used for collecting data on environmental damage.

Reason (R): This data collection helps in marketing and selling of forest products.

- (a) Both A and R are true statements
- (b) A is false and R is true
- (c) Both A and R are true and R is the correct reason for A
- (d) A is true but R is not the correct reason for A

(xii) The main objective of IRDP is:

- (a) Improvement in banking
- (b) Alleviation of rural poverty
- (c) Development of rural youth
- (d) Employment to retired persons

(xiii) 'Many urban centres have landfill sites, and often, waste is not disposed in these sites.' In this context which of the following improves solid waste management:

- (a) Teaching people the importance of segregation
- (b) Hospital waste to be gathered collectively
- (c) Composting is a bad option
- (d) Staff handling the wastes should be discouraged

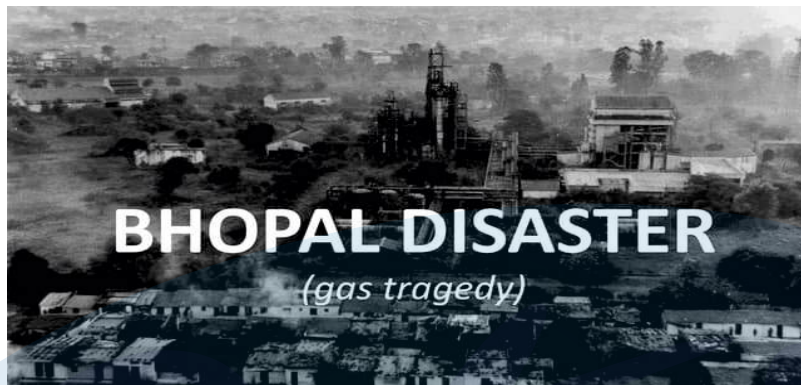
(xiv) Extensive planting of trees on barren land to increase forest cover is called:

- (a) Reforestation
- (b) Afforestation
- (c) Deforestation
- (d) Energy plantations

(xv) Given below are few methods of conservation of resources. Choose the correct method of **soil** conservation:

- (a) Metal recycling
- (b) Triple drip irrigation
- (c) Mulching and dry farming
- (d) Shifting cultivation

(xvi)



What was the main cause of this tragedy?

- (a) The factory was located in an isolated area
- (b) The company exported tested and good technology to the Indian plant
- (c) Trained and knowledgeable staff
- (d) Safety checks were less frequent due to shortage of staff

Question 2

- (i) Why is LPG more popular to use as a fuel? Write *two* advantages of it. [2]
- (ii) What are the *two* causes for rise of population in India? [2]
- (iii) “*Most slum residents in urban area are better off than the rural poor.*” Give *any two* advantages the slum residents have over rural poor. [2]
- (iv) State *any two* reasons to prove landfills are not environment friendly. [2]

Question 3

- (i) Give *any two* advantages of efficient *land use planning*. [2]
- (ii) How is organic manure made? State *one* benefit of organic manure. [2]
- (iii) State *two* steps that must be taken to achieve global food security. [2]
- (iv) Write *one* advantage and *one* disadvantage of solar energy. [2]

Question 4

- (i) Mention *any two* principles of Sustainable development. [2]
- (ii) Name the energy that is produced by the rise and fall of ocean water. [2]
What is the advantage of the above stated energy?
- (iii) What are biodegradable wastes? [2]
How are these biodegradable wastes helpful?
- (iv) Write *any two* contributions of private enterprises in city improvement. [2]

SECTION B (40 Marks)

(Attempt any four questions from this Section.)

Question 5

- (i) The vehicular traffic is a major problem in metro cities. [5]
Write *two* ways in which traffic congestion affects environment.
Suggest *three* methods to reduce traffic on roads.
- (ii) Sanitary land fill and Incineration are *two* methods of waste disposal. [5]
Briefly describe the *two* processes.
Suggest any other ecofriendly method of waste disposal for biodegradable wastes.

Question 6

- (i) What is terracing? [5]
Where is it practiced?
State *three* advantages of terracing.
- (ii) 'Biogas is produced by fermentation of biodegradable wastes.' [5]
Mention *any three* advantages and *any two* disadvantages of using biogas.

Question 7

- (i) What are the aims of Integrated Pest Management (IPM)? [5]
Write *three* advantages of IPM.
- (ii) Differentiate between ex-situ and in-situ conservation. [5]
Give *one* example of in-situ conservation.
Write *any two* advantages of in-situ conservation.

Question 8

- (i) List *any two* ecological impacts of Urbanisation. [5]
What *three* measures can be adopted to strengthen rural-urban linkage?
- (ii) Write the expanded form of GMO. [5]
Write *two* benefits and *two* problems associated with these organisms.

Question 9

- (i) What is Community Forestry? [5]
State *two* objectives of community forestry.
How does this forestry benefit the community?
- (ii) What is GEF? [5]
Explain *any two* areas of global environmental issues which is addressed by GEF.

Question 10

(i) Suggest *five* methods by which we can reduce cutting of trees or combat deforestation. [5]

(ii) Read the following paragraph and answer the following questions. [5]

Counter urbanization is a demographic and social process. Of late urbanization process in India is witnessing counter-urbanization in its life cycle. The counter-urbanization increases urbanism in physically rural areas. The growth in information technology, increase in car ownership over the last 40 years, more mobility, new business parks on the edge of cities, more people tend to move when they retire and so on are factors responsible for counter urbanization.

(Source: <https://www.insightsonindia.com/2019/03/21>)

- (a) Mention *any two* causes associated with Counter Urbanization as given in the paragraph.
- (b) Write *two* more causes, other than the ones mentioned here, which you think lead people to return to rural areas.
- (c) What changes will be observed in rural areas as an effect of counter urbanization?

ENVIRONMENTAL SCIENCE

Maximum Marks: 80

Time allowed: Two hours

Answers to this Paper must be written on the paper provided separately.

You will **not** be allowed to write during the first 15 minutes.

This time is to be spent in reading the question paper.

The time given at the head of this Paper is the time allowed for writing the answers.

Attempt **all** questions from **Section A** and **any four** questions from **Section B**.

The intended marks for questions or parts of questions are given in brackets [].

SECTION A (40 Marks)

(Attempt **all** questions from this Section.)

Question 1

[16]

Choose the correct answers to the questions from the given options.

(Do not copy the questions, write the correct answers only.)

- (i) Core and buffer zone is present in:
- (a) National Parks
 - (b) Botanical Gardens
 - (c) Biosphere Reserves
 - (d) Sanctuaries
- (ii) Catalytic converter in vehicles is used for controlling:
- (a) Soil pollution
 - (b) Air pollution
 - (c) Water pollution
 - (d) Noise pollution

This paper consists of 7 printed pages and 1 blank page.

T23 821

© Copyright reserved.

Turn Over

- (iii) The species of animals which are at *high risk* of endangerment in the wild are called:
- (a) Vulnerable species
 - (b) Rare species
 - (c) Extinct species
 - (d) Critically endangered species
- (iv) The Ramsar Convention, 1971, an International Treaty was held for the conservation of:
- (a) Soil
 - (b) Forests
 - (c) Threatened species
 - (d) Wetlands
- (v) The agency that regulates International Trade is:
- (a) IMF
 - (b) WTO
 - (c) World Bank
 - (d) GEF
- (vi) The energy generated from the earth is called:
- (a) Tidal energy
 - (b) Wind energy
 - (c) Geothermal energy
 - (d) Solar energy

(vii) _____ was the movement started by village women to save the trees.

- (a) Greenery Development Project
- (b) Beej Bachao Andolan
- (c) Chipko Movement
- (d) Green Revolution

(viii) Growing of two or more crops in the same field is called:

- (a) Monoculture
- (b) Intercropping
- (c) Inter-varietal cropping
- (d) Intracropping

(ix) The main aim of secondary cities is to reduce:

- (a) Tourism
- (b) Congestion
- (c) Consumption
- (d) Cooperation

(x) Deforestation does not cause:

- (a) Global warming
- (b) Soil erosion
- (c) Loss of forest cover
- (d) Basin listing

(xi) _____ helps people to understand the need for controlling population.

- (a) Education
- (b) Superstition
- (c) Sanitation
- (d) Urbanisation

- (xii) Which of the following is not an ingredient of vehicular pollution?
- (a) Nitrogen oxides
 - (b) Carbon monoxide
 - (c) Sulphur dioxide
 - (d) LPG
- (xiii) Global food imbalance is due to:
- (a) Over cultivation
 - (b) Monocropping
 - (c) Crop rotation
 - (d) Inequality in distribution of surplus produce
- (xiv) GEF work focuses on:
- (a) Biodiversity
 - (b) Climatic change
 - (c) Land degradation
 - (d) All of the above
- (xv) Kerosene as a desirable cooking fuel is:
- (a) Inefficient
 - (b) Non polluting
 - (c) Unsafe
 - (d) Not available easily
- (xvi) Terrace farming is an effective method of soil conservation in the:
- (a) Plains
 - (b) Deserts
 - (c) Hills
 - (d) Delta

Question 2

- (i) Mention *any two* man-made causes for the loss of biodiversity. [2]
- (ii) State *two* advantages of High Yield Variety seeds. [2]
- (iii) Mention *one* advantage and *one* disadvantage of sewage sludge. [2]
- (iv) *Remote sensing satellites are effective in environmental protection.* [2]
Give *two* reasons in support of your answer.

Question 3

- (i) Expand 'CITES'. [2]
Mention its significance.
- (ii) Mention *two* benefits of Integrated Rural Development. [2]
- (iii) What is alternate technology? [2]
State *one* benefit of alternate technology.
- (iv) How can public transport system help to safeguard our environment? [2]

Question 4

- (i) Give *one* difference between Polyvarietal cultivation and Polyculture. [2]
- (ii) What is mulching? [2]
- (iii) Mention *two* ways in which activities of MNCs can be monitored in developing countries. [2]
- (iv) Give *two* impacts of growing population on land. [2]

SECTION B (40 Marks)

(Attempt **any four** questions from this **Section**.)

Question 5

- (i) What is Integrated Pest Management? [5]
State *any three* of its importance in sustainable agriculture.
- (ii) What is overgrazing? [5]
Give *any four* hazards of overgrazing.

Question 6

- (i) “In most cities increasingly CNG is used as a fuel in vehicles.” [5]
Give *five* appropriate reasons for your answer.
- (ii) What is composting? [5]
Mention *any three* of its advantages.

Question 7

- (i) Mention *three* advantages and *two* disadvantages of hydroelectricity. [5]
- (ii) What is Zoning? [5]
Mention *four* ways in which Taj Trapezium is an instance of Zoning.

Question 8

- (i) Define International Trade. [5]
Mention *three* ways in which International Trade can reduce global inequalities and thereby help the developing nations.
- (ii) What is Trickle Drip Irrigation? [5]
Mention *two* advantages and *two* disadvantages of Trickle Drip Irrigation.

Question 9

- (i) What is energy plantation? [5]
List *any four* advantages.
- (ii) What is Conservation Tillage? [5]
Mention *three* advantages of Conservation Tillage.

Question 10

- (i) What is Mixed Cropping? [5]
State *any two* advantages and *any two* disadvantages of Mixed Cropping.
- (ii) “*Growth of slums is a common feature of urbanisation.*” [5]
State *five* disadvantages of the growth of slums.

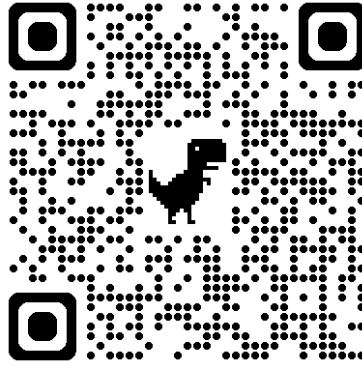


Prepare for ICSE CLASS 10
Free Resources

SCAN QR CODE Now



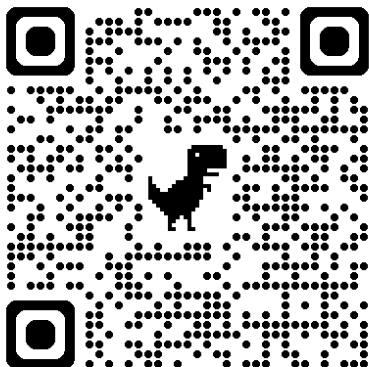
History/Civics



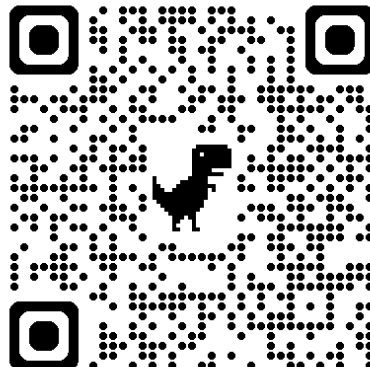
Geography



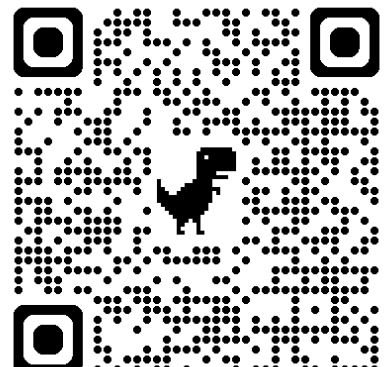
Maths



Physics



Chemistry



Biology



Hindi



Physical
Education



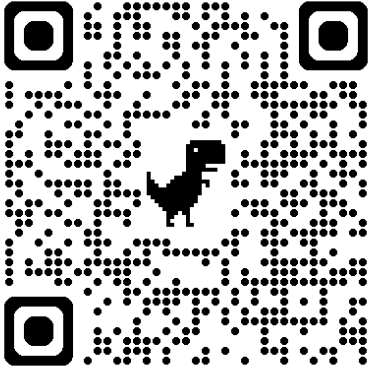
Computer
Applications





Prepare for ICSE CLASS 10
Free Resources

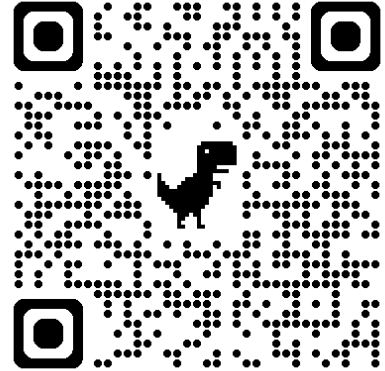
SCAN QR CODE Now



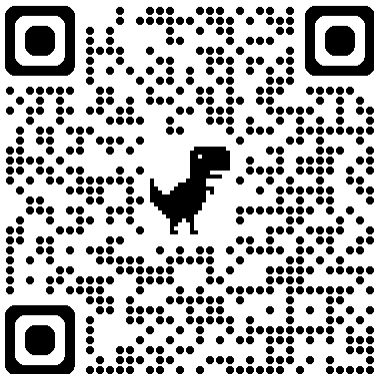
Economics



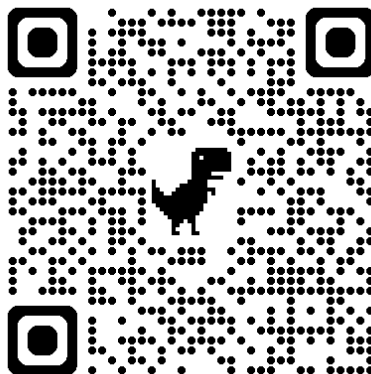
Commercial
Studies



French



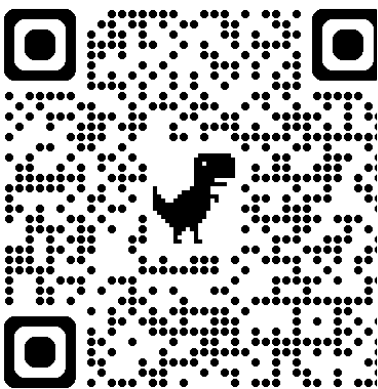
Robotics & AI



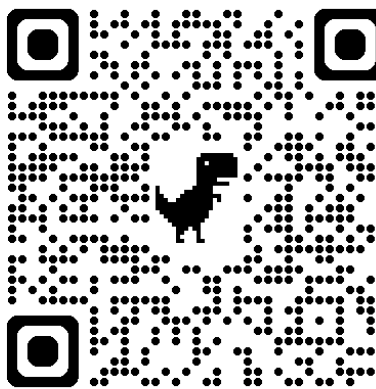
Home Science



EVS



Marathi



Gujarati



Odiya



Scan QR code for Free Access to 500+ Prelim Papers across 20 subjects

