

Water Resources

Quick Study Guide

HOW TO USE THIS GUIDE

HIGHLIGHTED TEXT SHOWS IMPORTANT POINTS

- ★ MARKS HIGH-FOCUS TOPICS
- 📝 INDICATES EXAM TIPS
- ⚠️ SHOWS COMMON ERRORS
- 💡 GIVES QUICK TIPS

WATER SOURCES

Mnemonic: "PAANI BOSS"

- | | | | |
|----------|-------------------|----------|-----------------|
| P | - Precipitation | B | - Basic source |
| A | - Aquifers | O | - Ocean water |
| A | - All rivers | S | - Surface water |
| N | - Natural sources | S | - Streams flow |
| I | - Important lakes | | |

Common Errors:

- * Source confusion
- * Statistics wrong
- * Usage patterns
- * Distribution data

Remember As:

"JAAL TYPES"

- | | |
|------------------|-----------------|
| 1. Surface Water | 2. Ground Water |
| * Rivers | * Wells |
| * Lakes | * Aquifers |
| * Ponds | * Springs |
| * Streams | * Tube wells |

WATER SCARCITY

Mnemonic: "PROBLEM HAI"

- P** - Population growth
A - Rainfall irregular
O - Over extraction
B - Bad management
L - Less availability
E - Excess use
M - Management poor

IMPACTS

- * Water stress
- * Crop failure
- * Health issues
- * Social conflicts

MAIN COURSES

"KHATAM KARO"

- | | |
|------------------------|--------------------|
| 1. Population pressure | 4. Urbanization |
| 2. Agricultural demand | 5. Poor management |
| 3. Industrial use | 6. Pollution |
| | 7. Climate change |

MULTIPURPOSE PROJECTS

Mnemonic: "DAM STORY"

- D** - Dams built
A - All purposes
M - Multiple uses

- S** - Storage water
T - Transport help
O - Output power
R - River control
Y - Yearly benefits

BENEFITS

"FAIDA LIST"

1. Irrigation
2. Power generation
3. Flood control
4. Water supply
5. Fish farming
6. Navigation
7. Recreation

EXAMPLE

- * Bhakra Nangal
- * Hirakud Dam
- * Nagarjuna Sagar
- * Tehri Dam

RAINWATER HARVESTING

Mnemonic: "SAVE WATER"

- S** - Store rainwater
A - Ancient method
V - Valuable resource
E - Easy method

- W** - Water collect
A - Ancient wisdom
T - Traditional ways
E - Effective use
R - Recharge ground

METHODS

COLLECTS

1. Roof collection
2. Surface runoff
3. Underground tanks
4. Recharge pits
5. Traditional systems

TRADITIONAL SYSTEM

- * Tanks (Tamil Nadu)
- * Khadins (Rajasthan)
- * Surangams (Kerala)
- * Johads (Rajasthan)

WATER CONSERVATION

Mnemonic: "BACHAO PLAN"

- B** - Better usage
A - Avoid waste
C - Conservation
H - Harvest rain
A - Awareness
O - Optimize use

- P** - Proper use
L - Less waste
A - Action needed
N - New methods

KEY STEPS

SAVE GAME

1. Efficient irrigation
2. Recycling water
3. Reducing waste
4. Modern techniques
5. Public awareness
6. Legal measures

WATER CONFLICTS

Mnemonic: "FIGHT CLUB"

- F** - Fighting states
I - Interstate issues
G - Get water share
H - High demand
T - Tension areas

- C** - Conflict zones
L - Legal battles
U - Usage rights
B - Between states

KEY FEATURES

"PAANI JUNG"

1. Cauvery dispute
2. Krishna water
3. Narmada issue
4. Ravi-Beas sharing
5. International issues

"SOLUTION"

- * Water tribunals
- * State agreements
- * Legal framework
- * Cooperation needed



MANAGEMENT STRATEGIES

Mnemonic: "SMART PLAN"

- | | | | |
|----------|---------------------|----------|--------------------|
| S | - Sustainable use | P | - Proper usage |
| M | - Modern methods | L | - Less wastage |
| A | - Action points | A | - Awareness spread |
| R | - Resource planning | N | - New techniques |
| T | - Technology use | | |

KEY STRATEGIES

MANAGE KARO

1. Watershed development
2. Efficient irrigation
3. Water recycling
4. Public participation
5. Modern technology
6. Legal framework

QUICK REVISION CHECKLIST

Before Exam:

- ✓ Water sources
- ✓ Scarcity causes
- ✓ Dam projects
- ✓ Harvesting methods
- ✓ Conservation steps
- ✓ Water conflicts
- ✓ Management plans

Scoring Tips:

1. Give examples
2. Use current data
3. Show conservation steps
4. Link concepts
5. Add case studies

HIGH FOCUS AREAS

1. Water Sources (5 marks)
2. Scarcity Issues (5 marks)
3. Dam Projects (4 marks)
4. Conservation (4 marks)
5. Management (4 marks)

KEY CONCEPTS TABLE

YAAD RAKHNA

RESOURCES	USE	CONSERVATION
Surface Water	61%	Dams & Tanks
Ground Water	39%	Recharge
Rainfall	Variable	Harvesting
Rivers	Major source	Management

IMPORTANT TERMS

- Watershed
- Water stress
- Multipurpose projects
- Water harvesting
- Conservation
- Water tribunals

FAMOUS EXAMPLES

1. Bhakra Nangal Dam
2. Tank system
3. Cauvery dispute
4. Traditional methods
5. Modern techniques

GOOD LUCK!

