

Courses

ACC (1) AFCAT (1) AIRMEN (2) CAPF (1) CDS EXAM (2) INET OFFICER (1) MNS (1) MOCK TEST (3) NDA EXAM (1) PC(SL) (1) SCO (1) SSB INTERVIEW (2) TERRITORIAL ARMY (1)



HIGHEST RATED
INTERVIEW
ONLINE COURSE

243 PEOPLE ONLINE NOW

SSB Interview Online Course 2022

★★★★★ 5 (139)

₹ 6,999.00



HIGHEST RATED

448 PEOPLE ONLINE NOW

CDS Exam Online Course 2023

★★★★★ 5 (87)

₹ 5,999.00



BEST SELLER

256 PEOPLE ONLINE NOW

CDS OTA Exam Online Course 2023

★★★★★ 5 (84)

₹ 5,499.00



BEST SELLER

187 PEOPLE ONLINE NOW

AFCAT Exam Online Course 2023

★★★★★ 5 (71)

₹ 5,999.00



HIGHEST RATED

143 PEOPLE ONLINE NOW

NDA Exam Online Course 2023

★★★★★ 5 (85)

₹ 5,999.00



HOT & NEW

101 PEOPLE ONLINE NOW

Territorial Army Exam Online Course 2023

★★★★★ 5 (80)

₹ 5,999.00



HOT & NEW

451 PEOPLE ONLINE NOW

ACC Exam Online Course Army Cadet College 2023

★★★★★ 5 (61)

₹ 6,999.00



BEST SELLER

98 PEOPLE ONLINE NOW

MNS Military Nursing Service Exam Online Course 2023

★★★★★ 5 (52)

₹ 5,999.00



HOT & NEW

OIR TEST & PPDT

83 PEOPLE ONLINE NOW

OIR Test and PPDT Online Course - Officers Intelligence Rating Test

★★★★★ 5 (61)

₹ 3,999.00



HOT & NEW

AFCAT EXAM
MOCK TEST SERIES

35 PEOPLE ONLINE NOW

AFCAT Exam Online Mock Test Series 2022

★★★★★ 5 (72)

₹ 499.00



BEST SELLER

CDS EXAM
MOCK TEST SERIES

24 PEOPLE ONLINE NOW

CDS Exam Online Mock Test Series 2022

★★★★★ 5 (86)

₹ 499.00



BEST SELLER

NDA EXAM
MOCK TEST SERIES

16 PEOPLE ONLINE NOW

NDA Exam Online Mock Test Series 2022

★★★★★ 5 (86)

₹ 499.00



NASA Recovers 98% Water From Urine & Sweat On ISS

Breakthrough In Long Space Missions

Why In The News?

- NASA Achieves New Milestone On ISS, **Recovers Water From Astronauts' Pee And Sweat** Through A **Water Recovery System** Which Is Part Of The **ECLSS Hardware Combo**.
- The Water Processor Assembly (WPA), Which Creates Drinkable Water, Receives Wastewater From This System And Processes It.

THE TIMES OF INDIA

Nasa recovers 98% water from urine and sweat on ISS; breakthrough to help in long space missions

What Do We Know?

- Transporting Fresh Water During Space Missions Isn't Viable, So **Astronauts Consume Recycled Fluids To Meet Their Needs**. This Means That Astronauts Recycle Their Pee, Among Other Things, To Ensure They Remain Hydrated Outside Of Earth.
- NASA Engineers Have Been Working On A System To Recover Water By **Recycling Astronauts' Breath, Sweat, And Urine** Through A System Of Filters And Processors. For Years, Different Variations Of The Machinery Have Been Used On The International Space Station (ISS).



How The Recycling Mechanism Works?

- NASA Announced That Its Engineers Were Able To Create A New System That Can Effectively **Recycle 98% Of All Astronaut Fluids To Produce Drinking Water**, A Jump From The Previous Level Of 94%.
- This Is Made Possible Through The Station's **Environmental Control And Life Support System (ECLSS)** That Is Made Up Of Various Pieces Of Hardware Including The **Water Recovery System** And The **Water Processor Assembly**.
- Water Is Recovered From **The Urine Processor Assembly (UPA)** Using **Vacuum Distillation**. Distillation Produces Water And A Urine Brine That Still Contains Some Reclaimable Water.



- A **Brine Processor Assembly (BPA)** Developed To Extract This Remaining Wastewater Has Been On The Space Station As **A Demonstration Of Its Operation In Microgravity**. Recent Assessments Found That The BPA Helped The System Achieve The 98% Water Recovery Goal.
- Such Levels Mark A Very Important Step Forward In The **Evolution Of Life Support Systems For Astronauts**. Let's Say You Collect 100 Pounds Of Water On The Station. You Lose 2 Pounds Of That And The Other 98% Just Keeps Going Around And Around.



Is It Safe For The Astronauts?

- The Creators Of These Systems Say That **This Water Is "Far Superior" To What We Drink From Municipal Water Systems On Earth.** "The Processing Is Fundamentally Similar To Some Terrestrial Water Distribution Systems, Just Done In Microgravity.
- **The Crew Is Not Drinking Urine.** They Are Drinking Water That Has Been Reclaimed, Filtered, And Cleaned Such That It Is Cleaner Than What We Drink Here On Earth.



Courses

ACC (1) AFCAT (1) AIRMEN (2) CAPF (1) CDS EXAM (2) INET OFFICER (1) MNS (1) MOCK TEST (3) NDA EXAM (1) PC(SL) (1) SCO (1) SSB INTERVIEW (2) TERRITORIAL ARMY (1)



HIGHEST RATED
INTERVIEW
ONLINE COURSE

243 PEOPLE ONLINE NOW

SSB Interview Online Course 2022

★★★★★ 5 (139)

₹ 6,999.00



HIGHEST RATED

448 PEOPLE ONLINE NOW

CDS Exam Online Course 2023

★★★★★ 5 (87)

₹ 5,999.00



BEST SELLER

256 PEOPLE ONLINE NOW

CDS OTA Exam Online Course 2023

★★★★★ 5 (84)

₹ 5,499.00



BEST SELLER

187 PEOPLE ONLINE NOW

AFCAT Exam Online Course 2023

★★★★★ 5 (71)

₹ 5,999.00



HIGHEST RATED

143 PEOPLE ONLINE NOW

NDA Exam Online Course 2023

★★★★★ 5 (85)

₹ 5,999.00



HOT & NEW

101 PEOPLE ONLINE NOW

Territorial Army Exam Online Course 2023

★★★★★ 5 (80)

₹ 5,999.00



HOT & NEW

451 PEOPLE ONLINE NOW

ACC Exam Online Course Army Cadet College 2023

★★★★★ 5 (61)

₹ 6,999.00



BEST SELLER

98 PEOPLE ONLINE NOW

MNS Military Nursing Service Exam Online Course 2023

★★★★★ 5 (52)

₹ 5,999.00



HOT & NEW

OIR TEST & PPDT

83 PEOPLE ONLINE NOW

OIR Test and PPDT Online Course - Officers Intelligence Rating Test

★★★★★ 5 (61)

₹ 3,999.00



HOT & NEW

AFCAT EXAM
MOCK TEST SERIES

35 PEOPLE ONLINE NOW

AFCAT Exam Online Mock Test Series 2022

★★★★★ 5 (72)

₹ 499.00



BEST SELLER

CDS EXAM
MOCK TEST SERIES

24 PEOPLE ONLINE NOW

CDS Exam Online Mock Test Series 2022

★★★★★ 5 (86)

₹ 499.00



BEST SELLER

NDA EXAM
MOCK TEST SERIES

16 PEOPLE ONLINE NOW

NDA Exam Online Mock Test Series 2022

★★★★★ 5 (86)

₹ 499.00

