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TODAY'S IMPORTANT CURRENT AFFAIRS

UPSC PRELIMS

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TODAY'S DROPS OF NEWS:

<u>SUBJECT</u>	<u>IN NEWS</u>
POLITY	Helicopter crash kills along Char Dham route (DGCA).
ECONOMY	---
GEOGRAPHY	---
HISTORY AND ART & CULTURE	---
ENVIRONMENT	---
SCIENCE & TECH	DNA profiling identified 86 victims of Air India crash.
MISCELLANEOUS	---

POLITY

In news: Helicopter crash kills along Char Dham route.

About Directorate General of Civil Aviation (DGCA):

Nodal Ministry: Ministry of Civil Aviation.

Body: It became a statutory body under the Aircraft (Amendment) Act, 2020.

Aim: To regulate civil aviation in the field of Civil Aviation primarily dealing with safety issues.

Functions:

- It is responsible for regulation of air transport services **to/from/within India** and for enforcement of civil air regulations, air safety and airworthiness standards.
- It also co-ordinates all regulatory functions with **International Civil Aviation Organisation**
- Registration of civil aircraft
- Licensing to pilots, aircraft maintenance engineers, air traffic controllers and flight engineers, and conducting examinations and checks for that purpose.
- Checks on the proficiency of flight crew and other operational personnel such as flight dispatchers and cabin crew.

SCIENCE & TECH

In news: DNA profiling identified 86 victims of Air India crash.

DNA profiling: DNA profiling is a technique that compares short sequences of DNA to produce a unique pattern for each individual.

What is DNA?

1. DNA stands for Deoxyribonucleic Acid, which is the genetic material present in the nucleus of almost all cells in living organisms.
2. It carries information that determines the internal organization, physical characteristics, and physiological functions of the body.
3. DNA is made up of four nucleotide bases: Adenine (A), Guanine (G), Thymine (T), and Cytosine (C), arranged in a double-helix structure.

What are its uses?

- To identifying criminals by forensic department.
- To identify human remains in tragedies.
- To establish the biological ties between siblings, parents, children, or other extended family members.

- To solve paternity issues in the family disputes in courts.
- To identify once ethnicity.

MENTOR

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