

UPSC Daily Current Affairs| One Liners 11-08-2025

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History, Art and Culture

Bhasha Samman

- **Instituted in** - 1996, by *Sahitya Akademi*.
- **Awarded to** - *Writers, scholars, editors, collectors, performers or translators* who have made considerable contribution to the propagation, modernization or enrichment of the languages concerned.
- **Price** - Rs.1 lakh.
- **Annual award** - Given for *3-4 persons* in different languages on the basis of recommendation of experts' committees.

Sahitya Akademi

- It is an autonomous body under *Ministry of Culture*.
- **Established in** - 1954.
- **Registered under** - Societies Registration Act, 1860.
- **Objectives** - To promote of *Indian literature in 24 languages*.
- To encourage the preservation and promotion of languages, not only the recognized languages but specially the *unrecognized and tribal language* of India.

Environment

Sustainable Alternative to Plastics

IIT-Madras have developed an agriculture waste-based packaging material using 2 fungal mushrooms.

- **Two strains** -
 - *Ganoderma lucidum*, known for its medicinal properties.
 - *Pleurotus ostreatus*, recognized for its edibility, nutritional value, and medicinal properties.
- **Production** - These strains were allowed to grow on 5 different substrates such as *cardboard, sawdust, paper, coco pith, and hay*.
- **Alternative material** - Ganoderma on cardboard achieved a *compressive strength greater* than expanded polystyrene (EPS).
- **Significance** - Reduce the 4 million-odd tonnes of plastic waste.

Science

Criteria for Setting up Nuclear Plant

- **Geography** - Topography & accessibility.
- **Infrastructure** - For transportation & construction facilities.
- **Resources** - Township for staff, and availability of power,
- Feasibility of power evacuation and availability of cooling water.
- **Safety aspects related to** - Geology, seismology (not falling in seismic zone V) and meteorology.

Steps to Enhance Gestation Period for Nuclear Plant

- **Tech-Driven Design** - Use of extensive application of computers in speeding design process.
- **Workflow Optimization** - To provide sophisticated tools for project management.
- **Construction Innovation** - Enhance advancement in civil construction methodology and mechanization.
- **Concurrent Construction** - To build a parallel civil and mechanical erection & open top construction.

Computer & Information Security Advisory Group (CISAG)

- It is a specialist groups under *Department of Atomic energy (DAE)*.
- **Aim** - To *focus on the cyber security and information security* of DAE units, including nuclear facilities.
- To regulate cyber security audit of Nuclear Power Corporation of India Limited.

Seismic Microzonation Data

Total 3032 earthquakes were recorded within India including Bay of Bengal, Andaman Sea during last 5 years.

- **Seismic microzonation** - It is a process of classifying a *region into zones of relatively similar exposure* to various earthquake-related effects.
- **Released by** - *National Centre for Seismology*, Ministry of Earth Science.
- **Seismic observatories** - 168 stations across India.

Miscellaneous

Field Marshal Manekshaw

Recently, Field marshal Manekshaw has been included in class 8th Urdu NCERT curricula.

- **Birth** - 1914, Amritsar.
- **Recognition** - 1st Indian military officer to be promoted to the rank of field marshal, the highest rank in the Indian Army.
- **Participated in** - World War II, India-Pakistan War in 1947 & 1965.
- **Awarded** - *Padma Bhushan* in 1968 and *Padma Vibhushan* in 1972.

Brigadier Mohammad Usman

Recently, Brigadier Mohammad Usman has been included in class 7th Urdu NCERT curricula.

- He famously known as the *"Lion of Nowshera"*.
- **Birth** - 1912, in Azamgarh, UP.
- **Participated** - *Battle of Nowshera, Indo-Pak war of 1947-48.*
- He was commanding the 50 (Independent) Parachute Brigade in Jammu and Kashmir.
- He was the highest-ranking officer of the Indian Army to be killed in action during the 1947-48 war.
- **Awarded posthumously** - Maha Vir Chakra (MVC), India's *second-highest wartime gallantry* award.

Major Mohit Sharma

Recently, Major Mohit Sharma has been included in class 8th English NCERT curricula.

- His code name was *"Iftikhar Bhatt"*.
- **Birth** - 1978 in Rohtak, Haryana.
- **Participated in** - Covert operation, died while leading Bravo Assault team and saved 2 soldiers.
- **Awarded** - 1st medal for gallantry *COASM (Chief of Army Staff Commendation Medal)* in the year 2002.
- "Sena Medal" gallantry for his act of bravery.
- Ashoka Chakra (posthumously) which is *highest peacetime gallantry award*.



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