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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	---
ECONOMY	---
GEOGRAPHY	Flash floods leave four dead in Uttarakhand.
HISTORY AND ART & CULTURE	---
ENVIRONMENT	---
SCIENCE & TECH	---
MISCELLANEOUS	---

GEOGRAPHY

In news: Flash floods leave four dead in Uttarakhand.

Flash floods: A flash flood, according to the India Meteorological Department (IMD), is a localized flood of short duration with a very high peak, typically occurring within six hours of heavy rainfall. These events are characterized by

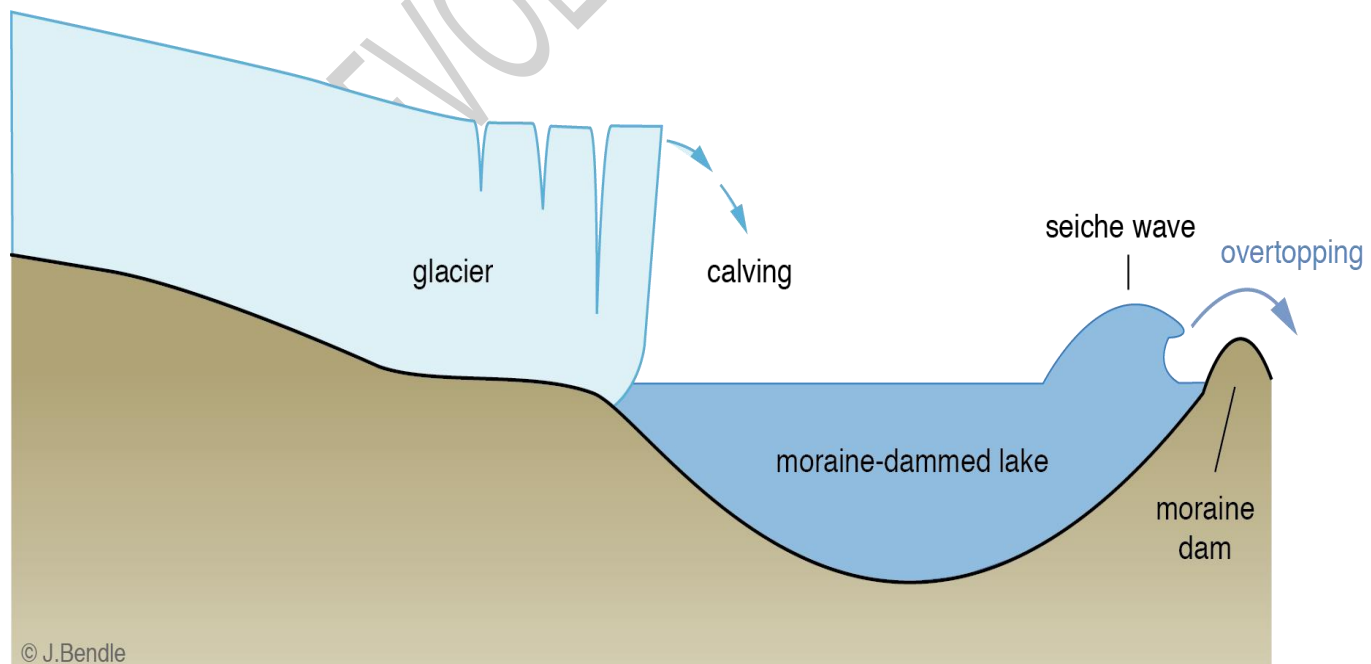
rapid, intense water flow, often sweeping through riverbeds, urban areas, or canyons. The IMD emphasizes that flash floods can be triggered by heavy rainfall, rapid snow melt, or even dam failures, and their occurrence is influenced by factors like rainfall intensity, topography, and land use, according to the National Weather Service.

Causes in recent incident:

- 1) Cloud burst.
- 2) Glacier lake outburst flood (GLOF).

Cloud burst: According to the India Meteorological Department (IMD), 100 mm of rain in one hour or 50mm of rain in two hours straight (i.e., continuous) is called a cloudburst. Usually, cloudbursts occur over a small geographical region of 20 to 30 square kilometers.

GLOF: A Glacial Lake Outburst Flood (GLOF) is a type of catastrophic flood caused by the sudden release of water from a glacial lake. This happens when the natural dam holding back the lake, often made of ice or moraine (rock debris), fails.



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