

Thursday 2 February 2012 – Morning

A2 GCE GEOGRAPHY

F763/I/2 Global Issues

INSERT 2 – RESOURCE BOOKLET

Duration: 2 hours 30 minutes



INFORMATION FOR CANDIDATES

- This document consists of **8** pages. Any blank pages are indicated.

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Earth hazards**Fig. 1****An extract adapted from a text on rivers**

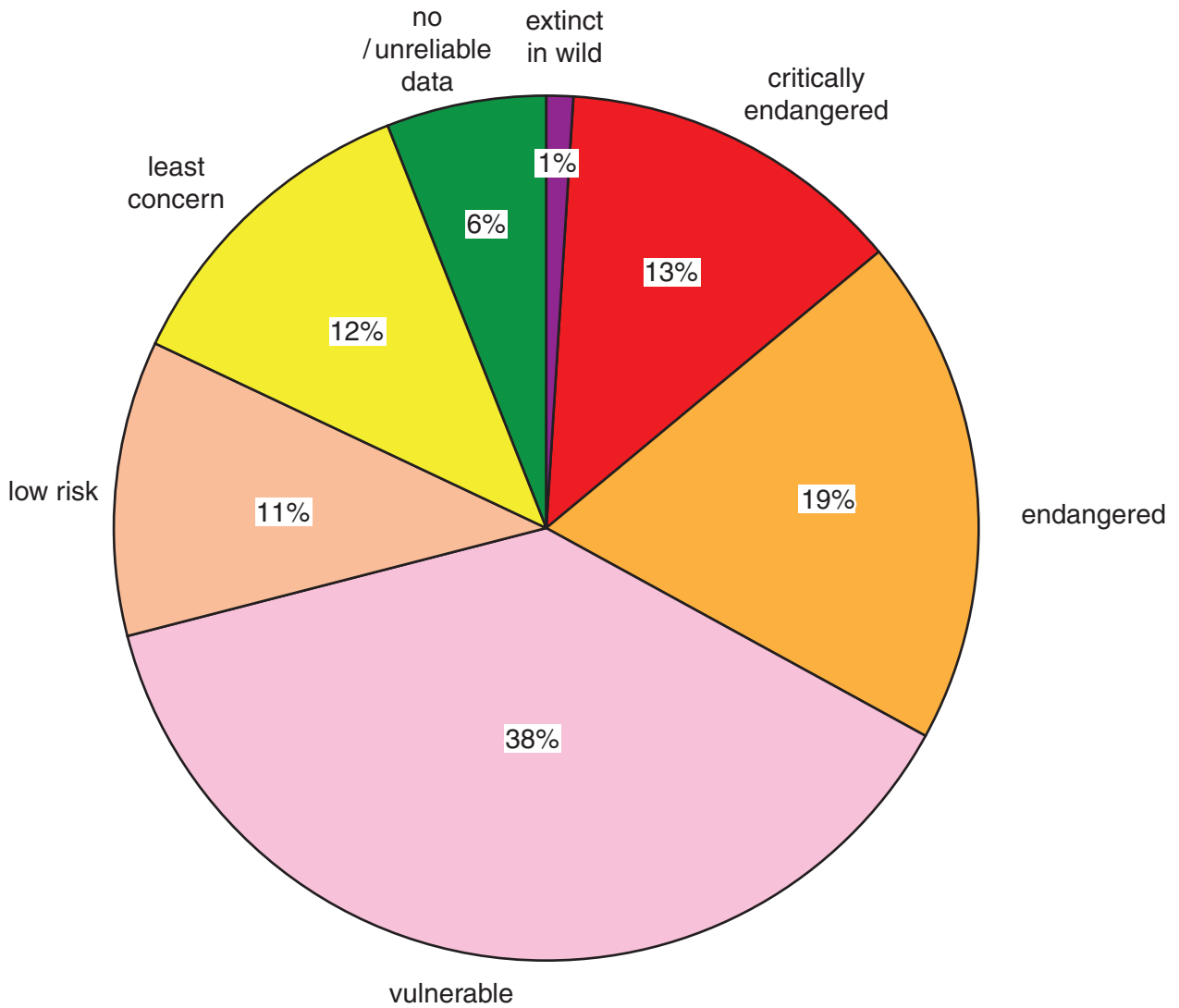
Most rivers flood. It is a natural process for river discharge to exceed channel capacity, leading to the formation of floodplains. Physical factors such as a prolonged period of heavy rainfall or rapid snow-melt can contribute to river flooding.

Floodplains are valued for agriculture, manufacturing industry, settlement, recreation and leisure. About 75% of population and properties in Japan, for example, are located on floodplains. Land-use changes such as deforestation and urbanisation can bring about unintended changes to river flow and so increase the probability and severity of flooding.

Ecosystems and environments under threat

Fig. 2

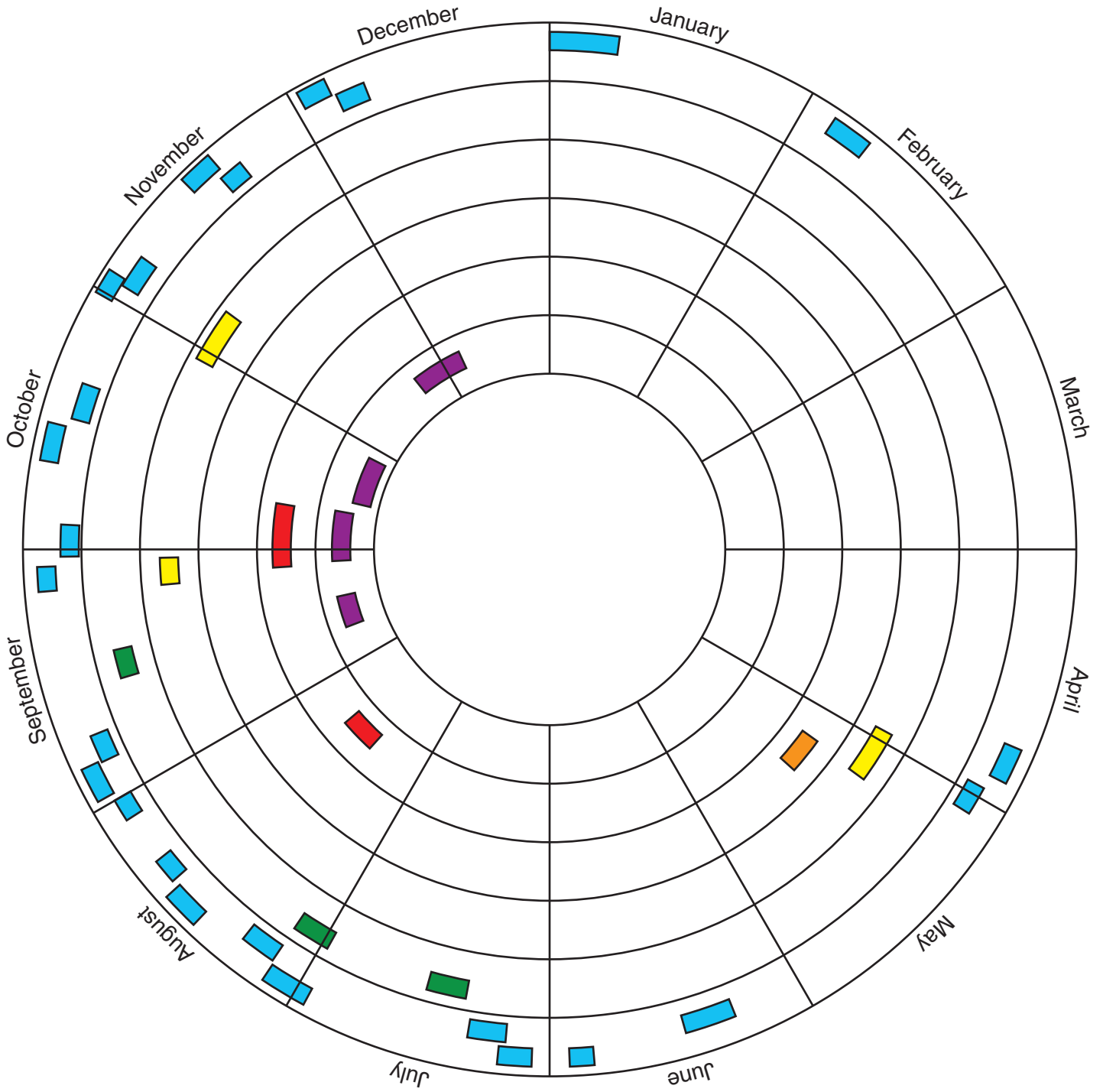
Global percentage of plant species at various levels of threat of extinction, 2009



Climatic hazards

Fig. 3

Timing and strength of tropical storms and typhoons over the Western Pacific, 2009



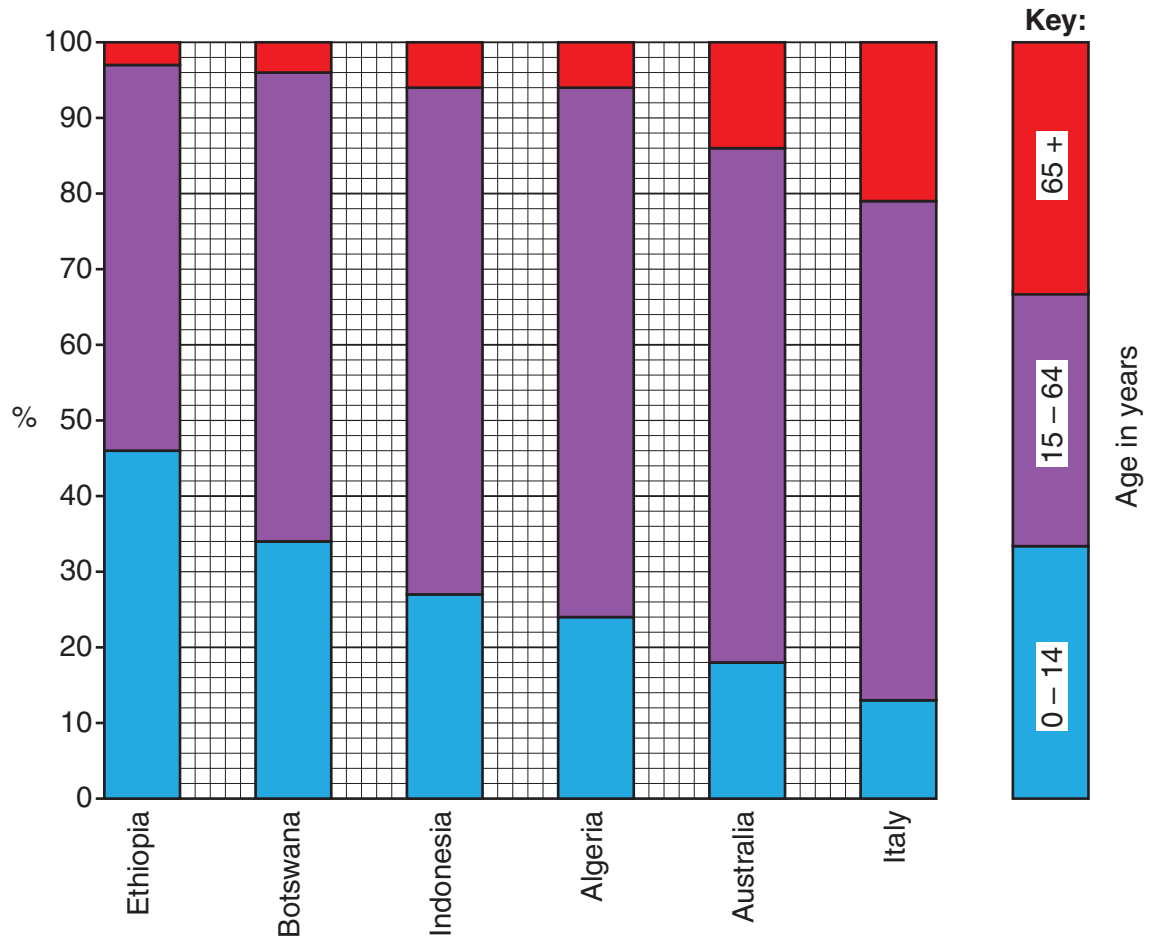
Key:

- Tropical storm
- Typhoon category 1 (weakest)
- Typhoon category 2
- Typhoon category 3
- Typhoon category 4
- Typhoon category 5 (strongest)

Population and resources

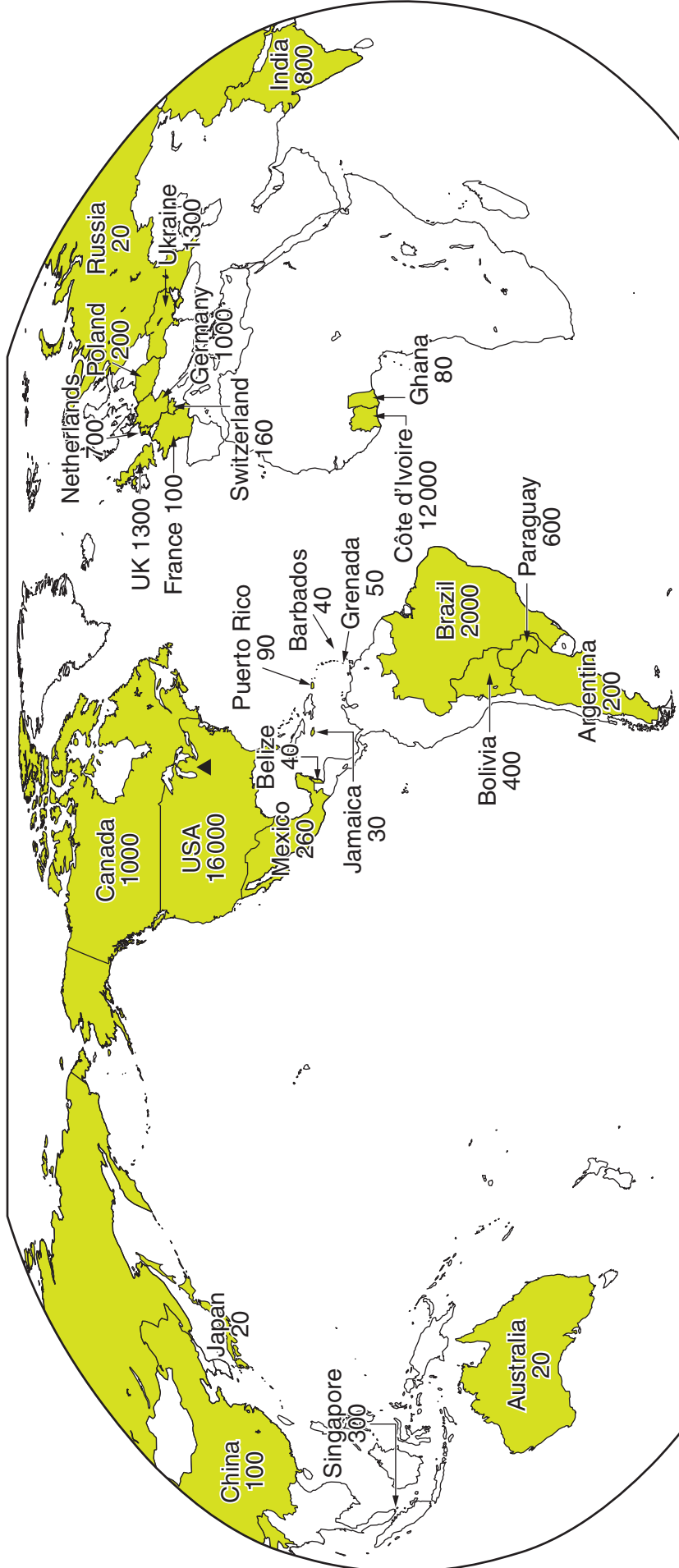
Fig. 4

Age structures for selected countries, 2011



Globalisation

Fig. 5
Location and numbers of employees of ADM, 2010



Key:

▲ ADM* Corporate Headquarters

■ Countries where ADM employees located

* ADM is a transnational company, which transports, stores and processes agricultural products.

Development and inequalities

Fig. 6

A local market in Sudan and a shopping centre in Italy



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