GEOGRAPHY
Paper 1
INSERT

October/November 2019
1 hour 45 minutes

READ THESE INSTRUCTIONS FIRST

The Insert contains Fig. 4.1 for Question 4, Fig. 5.1 for Question 5, and Figs. 6.1, 6.2, 6.3 and 6.4 for Question 6.

The Insert is not required by the Examiner.
**Fig. 6.1 for Question 6**

- **Important biodiversity**
  - wetlands and river deltas
  - existing and planned protected areas
  - Caspian seal habitats
  - sturgeon spawning grounds

- **Energy production and distribution**
  - oil and gas fields
  - major energy producing areas
  - oil processing plants
  - oil tanks
  - oil and gas pipelines (with direction of flow)

- **Environmental concerns**
  - oil pollution (figures given in mg/l)
  - abandoned and flooded oil wells
  - major waste sites
  - historical pollution due to oil spills
  - flood risk zone

**Key**

- RUSSIA
- KAZAKHSTAN
- Volga
- Astrakhanskoe
- Astrakhan
- 100
- 30
- Kashagan
- Bautino
- Prorva
- Tengiz
- Boloshak
- Tuhliya Baika
- Ural
- Kulsary
- Kalamkas
- Komsomol
- Tuhlaya Balka
- Karazhambas
- Kurmangazy
- Kashagan drilling waste
- Atyrau
- Kashagan
- Kalamkas Komsomol
- Tuhlaya Balka
- N

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Fig. 6.2 for Question 6
Fig. 6.3 for Question 6