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Geography
Higher level and standard level
Paper 1 – resource booklet

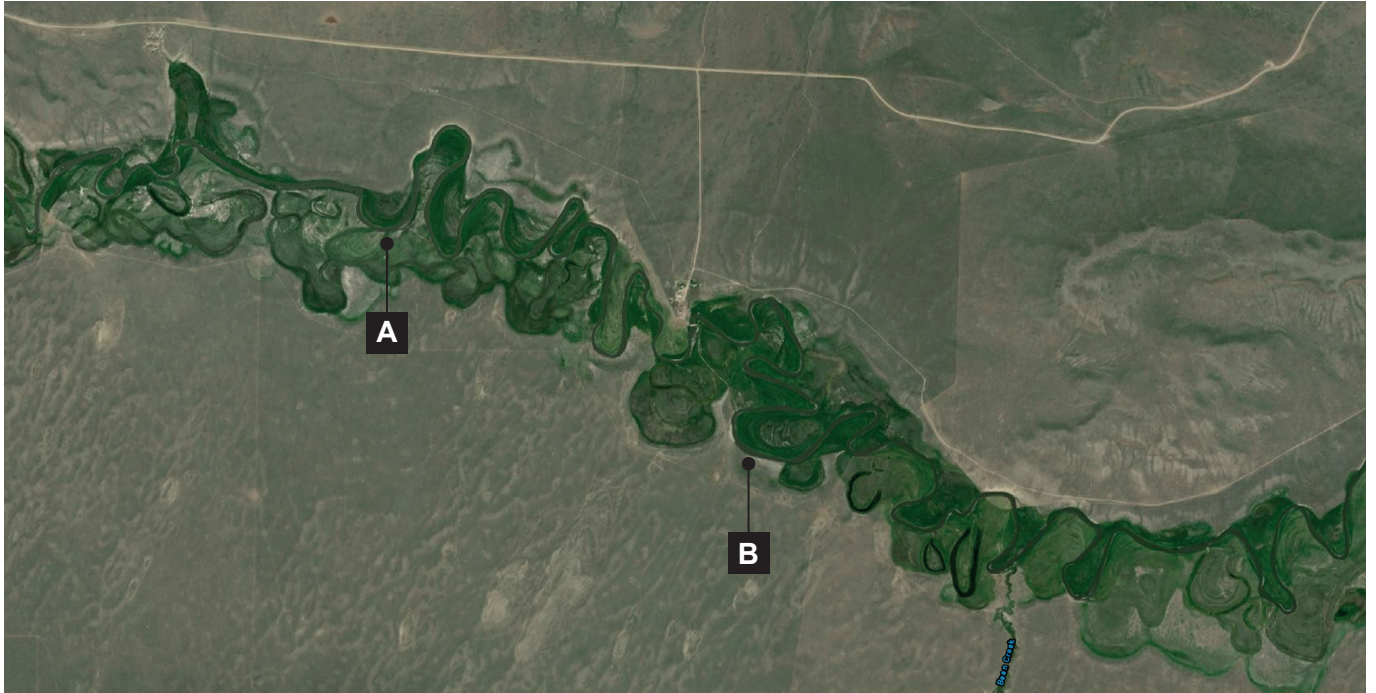
Friday 5 November 2021 (afternoon)

Instructions to candidates

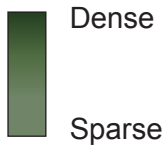
- Do not open this booklet until instructed to do so.
- This booklet accompanies paper 1.

Option A — Freshwater

1. The satellite image shows part of the Red Rock River in Montana, USA.

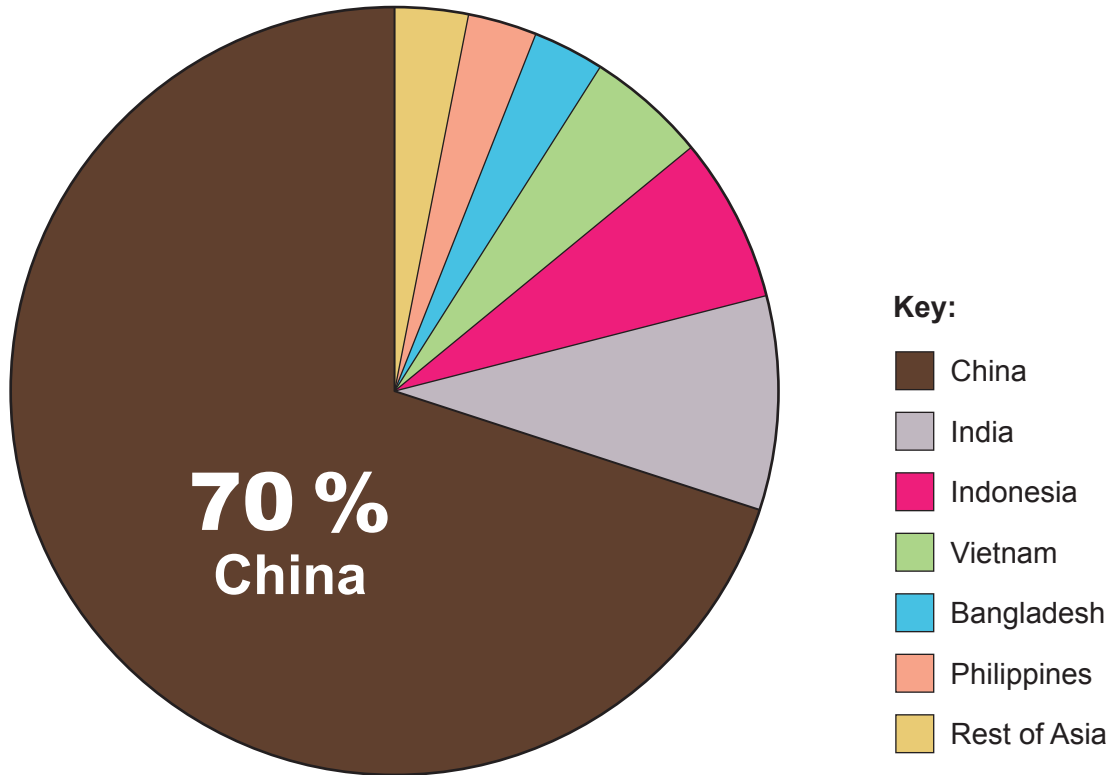


Key: Vegetation



Option B — Oceans and coastal margins

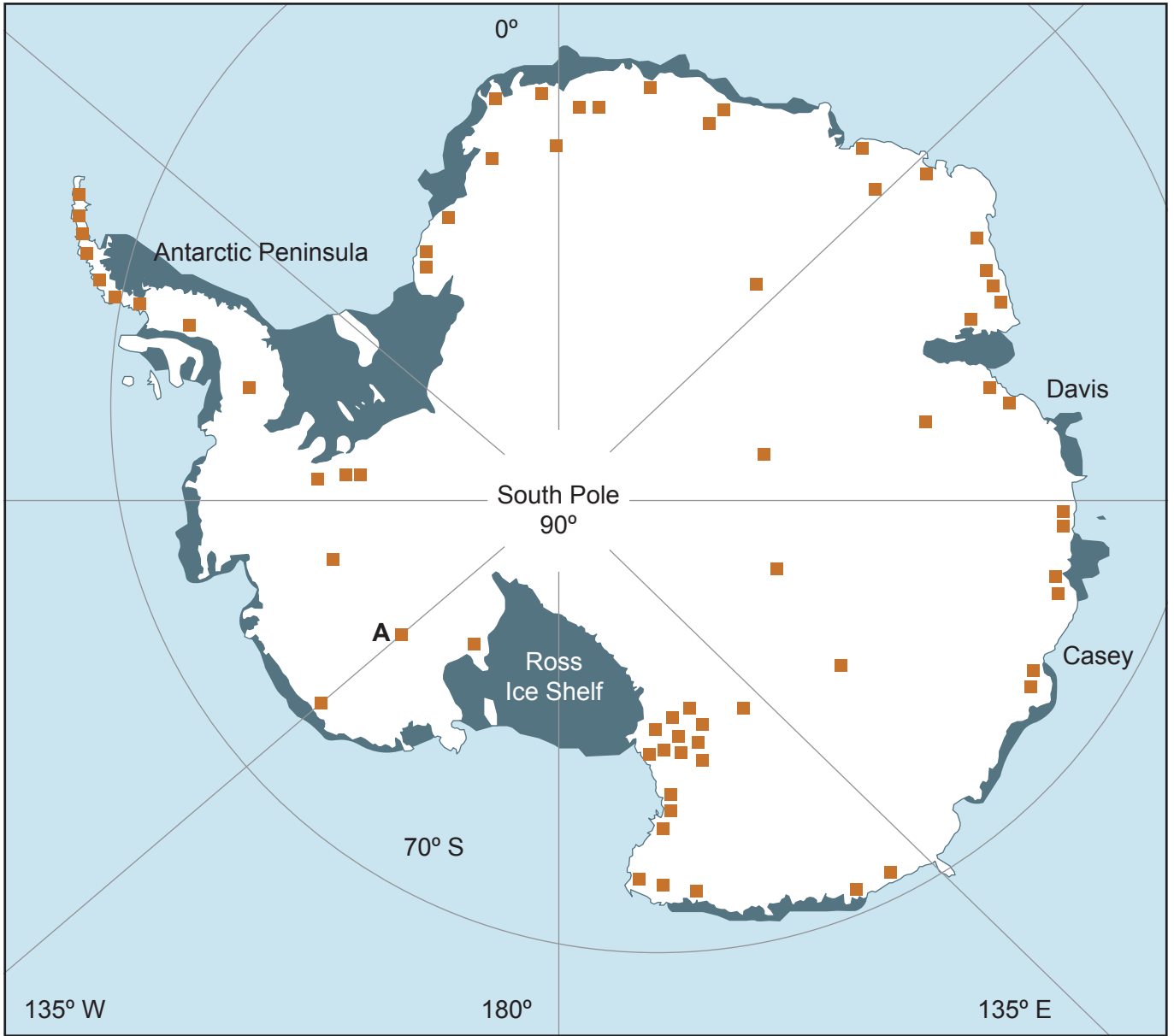
3. The pie chart shows the aquaculture production of Asia, by country, in 2016.



Total for the whole of Asia: 80 million tonnes

Option C — Extreme environments



5. The map shows the distribution of buildings on the continent of Antarctica.



Scale:



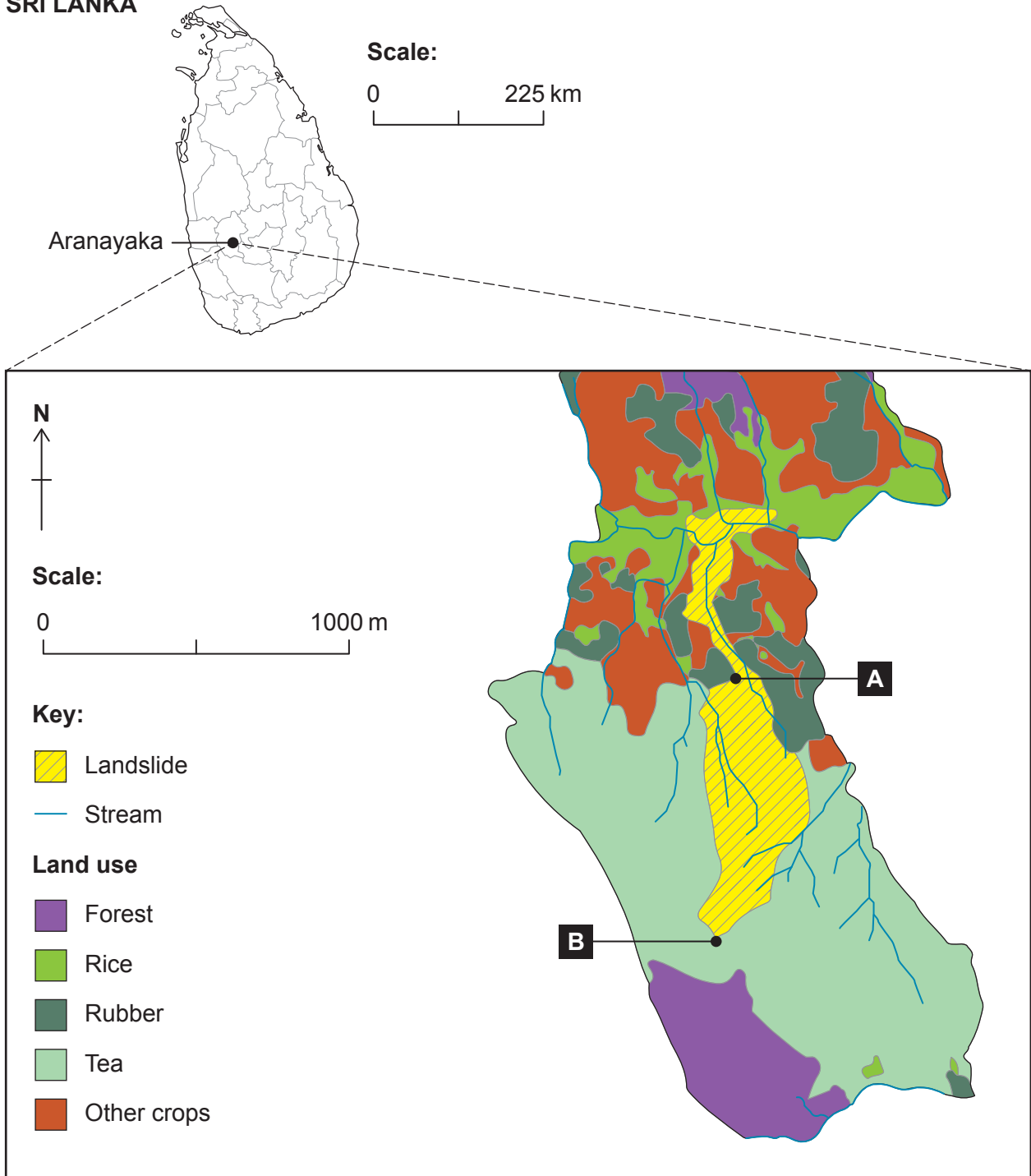
Key:

-  Building
-  Ice shelf
-  Ocean

Option D — Geophysical hazards

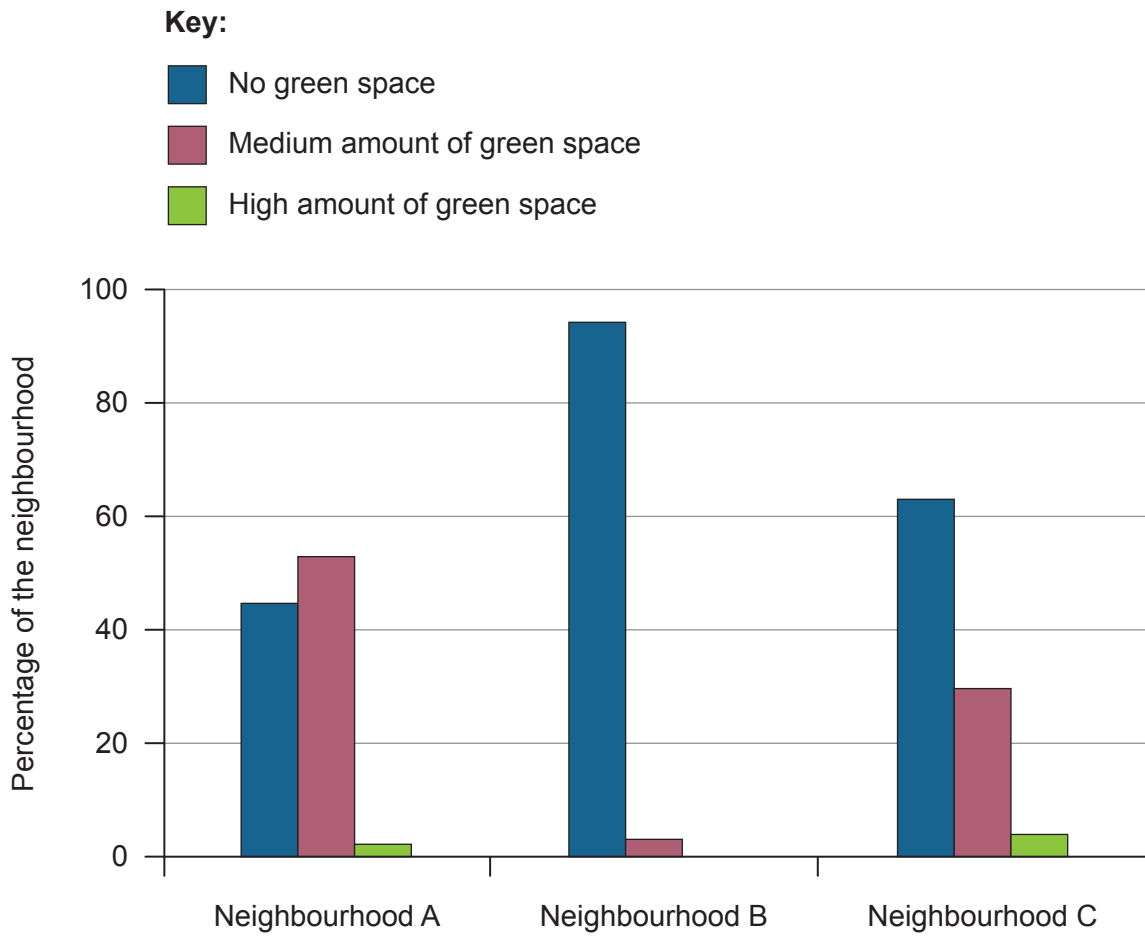
7. The map shows the land use of areas affected by a landslide in a mountainous region of an Asian country with heavy seasonal rainfall.

SRI LANKA



Option G — Urban environments

13. The graph shows how much green space remains in the streets of three neighbourhoods in a large city.



References:

1. U.S. Geological Survey, n.d. Site map for Montana. [online] Available at: https://waterdata.usgs.gov/mt/nwis/nwismap/?site_no=06011500&agency_cd=USGS [Accessed 1 October 2020]. Source adapted.
5. Brooks, S. T., Jabour, J., Van den Hoff, J. and Bergstrom, D. M., 2019. Our footprint on Antarctica competes with nature for rare ice-free land. *Nature Sustainability*. [online]. Available at: https://www.researchgate.net/figure/Distribution-of-building-footprint-on-Antarctica-a-The-distribution-and-density-of_fig1_331506395 [Accessed 1 October 2020]. Source adapted.
7. Perera, E. N. C., Jayawardana, D. T., Jayasinghe, P., Bandara, R. M. S. and Alahakoon, N., 2018. Direct impacts of landslides on socio-economic systems: a case study from Aranayake, Sri Lanka. *Geoenvironmental Disasters*, 5(11), p.3. Source adapted. <https://geoenvironmental-disasters.springeropen.com/articles/10.1186/s40677-018-0104-6#rightslink> Attribution 4.0 International (CC BY 4.0) <http://creativecommons.org/licenses/by/4.0/>.
13. ONS, 2018. How green is your street? [online] Available at: <https://www.ons.gov.uk/economy/environmentalaccounts/articles/howgreenisyourstreet/2018-11-19> [Accessed 1 October 2020]. Source adapted.