

WRAP Exams · wrapexams.com

Prelims PYQ, Mains model answers, and copy evaluation. Write to the desk for this paper, a doubt, or the AI waitlist.

ask@wrapexams.com · +91 85951 84903 · wrapexams.com

Q78

In rural road construction, the use of which of the following is preferred for ensuring environmental sustainability or to reduce carbon footprint? 1. Copper slag 2. Cold mix asphalt technology 3. Geotextiles 4. Hot mix asphalt technology 5. Portland cement
Select the correct answer using the code given below: (a) 1, 2 and 3 only (b) 2, 3 and 4 only (c) 4 and 5 only (d) 1 and 5 only Official key: A.

UPSC Civil Services Prelims 2020 · General Studies · 2 marks · Environment and Ecology

Environment, ecology, climate, biodiversity - Prelims GS Paper I.

Explanation**(a) Official key**

1, 2 and 3 only. Copper slag, cold-mix asphalt and geotextiles cut the rural-road carbon load. Hot-mix and ordinary Portland cement are the energy-heavy pair.

(b)

2, 3 and 4 only. Hot mix is not the green preference.

(c)

4 and 5 only. The carbon-heavy pair.

(d)

1 and 5 only. Cement is the miss.

Summary

• **Official key is (a) 1, 2 and 3 only. Preferred lower-footprint rural-road kit:** copper-slag aggregate, cold-mix asphalt, geotextiles. Hot-mix plants and Portland cement are the higher-carbon options in the list.

Related possible facts

These can be asked in a future Prelims paper.

Cold mix

Emulsion at ambient temperature; no hot drum.

PMGSY

Has allowed slag, waste plastic, geotextiles in specs.

WRAP Exams · Write. Read. Analyse. Practice. · <https://wrapexams.com/upsc/prelims/gs/2020/in-rural-road-construction-the-use-of-which-of-the-following-is-preferred-for-ensuring-environmental-sustainability-or-to-reduce-carbon-footprint-1-copper-slag-2-cold-mix-asphalt-technology-3-geotextiles/> · ask@wrapexams.com · wrapexams.com

WRAP Exams