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Q76

Steel slag can be the material for which of the following? 1. Construction of base road 2. Improvement of agricultural soil 3. Production of cement Select the correct answer using the code given below: (a) 1 and 2 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3 Official key: D.

UPSC Civil Services Prelims 2020 · General Studies · 2 marks · Current Affairs and GK
Current events, government schemes, miscellaneous GK - Prelims GS Paper I.

Explanation

(a)

1 and 2 only. Cement use is also true.

(b)

2 and 3 only. Road base is also true.

(c)

1 and 3 only. Soil amendment is also true.

(d) Official key

All three. Steel slag in road base, as a soil conditioner, and in cement/clinker.

Summary

Official key is (d) 1, 2 and 3. Steel slag is reused as road aggregate, as a soil improver (lime-like), and in cement manufacture.

Related possible facts

These can be asked in a future Prelims paper.

LD / BOF slag

Steel-plant by-product.

IRC / MoRTH

Specifications for slag in road layers.

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