

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

Q17

With reference to perfluoroalkyl and polyfluoroalkyl substances (PFAS) that are used in making many consumer product, consider the following statements : 1. PFAS are found to be widespread in drinking water, food and food packaging material. 2. PFAS are not easily degraded in the environment. 3. Persistent exposure to PFAS can lead to bioaccumulation in animal bodies. Which of the statements given above are correct? (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 2024 · General Studies · 2 marks · Environment and Ecology
Environment, ecology, climate, biodiversity - Prelims GS Paper I.

Explanation

(a)

1 and 2 only. Bioaccumulation (3) is also keyed.

(b)

2 and 3 only. Occurrence in water/food/packaging (1) is also keyed.

(c)

1 and 3 only. Persistence (2) is also keyed.

(d) Official key

1, 2 and 3. Forever chemicals: widespread, persistent, bioaccumulative.

Summary

Official key is (d) all three. **PFAS** are widely found in drinking water, food and packaging. They resist degradation. They bioaccumulate in animals. All three statements hold.

Related possible facts

These can be asked in a future Prelims paper.

PFAS

Per- and polyfluoroalkyl substances; "forever chemicals".

Stockholm Convention

Some PFAS (e.g. PFOS, PFOA) are listed as POPs.

WRAP Exams · Write. Read. Analyse. Practice. · <https://wrapexams.com/upsc/prelims/gs/2024/with-reference-to-perfluoroalkyl-and-polyfluoroalkyl-substances-pfas-that-are-used-in-making-many-consumer-product-consider-the-following-statements-1-pfas-are-found-to-be-widespread-in-drinking-water-food-and-food/> · ask@wrapexams.com · wrapexams.com

WRAP Exams