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

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Q12

What are the areas of prohibitive labour that can be sustainably managed by robots? Discuss the initiatives that can propel the research in premier research institutes for substantive and gainful innovation.

UPSC Civil Services Mains 2015 · GS III · 12 marks · Indian Economy

Indian Economy and issues relating to planning, mobilization of resources, growth, development and employment.

Facts & figures for this PYQ only.

Numbers move. Confirm the latest Budget, Economic Survey or census round. This sheet is for revision, not a substitute for the model answer.

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Prohibitive labour

Work that is too dangerous, toxic, remote, or repetitive for sustainable human crews, including mines, radiation, and bomb disposal.

Tele-operation

A human stays at a safe console while a robot enters the hazard; this is often the first sustainable step before full autonomy.

DRDO and ISRO robotics

Defence and space agencies are natural buyers and problem-setters for institute research that must work in the field.

Cobots

Collaborative robots share a workspace with people for dull or heavy tasks; they still need guards, training, and labour policy.

Testbed

A shared mine, hospital, or disaster mock-up where IIT and IISc teams run hours of trials instead of only simulation.

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