(Please do not write anything exept the question number in this space) कृष्या इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

## UPSC

Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.

Content of the Question is more important than length.

(Specimen Answer Booklet - For Practice Purpose Only)

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए Candidates must not write on this margin

to use paddy straw to produce Comprissed Bio gas can transform the economy of India - Biscuss. The Beginning Renewable energy revolution agriculture are taking shapir the first company anung commenced It will produce Spaddy Biogos (CBG) from agricultura their converting Weglth. Effects of stubble burning -> Results in highly polluted condition National Rapital Region [NCR] throughout in ircreosed soil temperature Results decomposer Initiatures by government La Pusa - Page ane Blitz

निवाद के की को का की की किया है। किया

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NITI Aayog syroached Irdia in 2019 to employe converting paddy straw and Stubble into energy and to identify possible ex-situ uses of Rice strow. Production of CBB > Through anaexolic decomposition of Biomass - Produced from bio mass sources agri residue, cottle dung, sugarcone, nunicipal solid waste etc Advantages of CBG: - clean fuel with liss emission - Produced from stready used waste material - wastes turned into energy to tillinge for electricity heating, booking Bustainable Alternative Towards Afordable Transportation SATAT -> Initiated by Ministry of Petroleum a Natural yos. 1 - Objective: Increasing the production of CBG by encouraging entrepreneurs to set up 039 plants Effectiveness of rice straw in energy technologies: -> Meet scheme starget: with 30% of

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sice strows produced in Purjob, 5-/. CBG production target set by Scheme can be met. > Circular economy: Boday strow from one acre of crop can yeld energy output (CBG) worth more than \$ 17000 an addition of mole than 30%. to the main output of Evological Benefits: The slurry of parmented Organic manure from the plant (CBG) will be useful as compost to replenish soils heavily depleted of organic matter and Reduce dependence on chemical futilizers -> Economic gains: It could also increase local entrepreneurship encreases income, provide employment opportuniteis to sural youth in the large value chain from poddy harvest, collection, baling Fransport and handling of Bromass and in the BGplant. Replicable and scaleable across the country and can be a game changer Rusal economy

