

Q.no

# MPPSC MAINS

Write here

Q.1

Q Please write in 50 words each.

A) KEYSTONE SPECIES

A keystone species is a species that has a disproportionately large effect on its environment relative to its abundance. It plays a crucial role in maintaining the structure of an ecological community, also it helps in determining types and numbers of various other species.

B) USES OF BIODIVERSITY

The following are the uses of biodiversity

i) source of food and improved varieties agriculture

ii) human health / Drugs and medicines

iii) Bionics

iv) Bioprospecting

v) leisure, culture and aesthetic / Religious values.

vi) ecosystem services

vii) Business and Industries

C) FLAGSHIP SPECIES

A flagship species acts as a symbol for an

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<input type="checkbox"/>	<p>environmental habitat, movement, campaign or issue. They can be <u>mascots</u> for entire system. The identification of these species relies heavily on the <u>social, cultural and economic values</u> of a species. Flagship species may or may not be <u>keystone</u> or <u>indicator</u> species.</p>	<p>Disha Nomdeo Pg 2 ✓</p>
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>	<p>(d) Biodiversity Hotspots in India.</p>	
<input type="checkbox"/>	<p>A biodiversity hotspot is a region with <u>high level of endemic species</u>. There are <u>36 biomes</u> in the world, out of which <u>4 are in India</u> →</p>	✓
<input type="checkbox"/>	<p>i) Western Ghats → It is having huge variety of species.</p>	
<input type="checkbox"/>	<p>ii) Eastern Himalayas → 163 globally threatened species</p>	
<input type="checkbox"/>	<p>iii) Indo Burma - It spreads out from eastern Bangladesh to Malaysia.</p>	✓
<input type="checkbox"/>	<p>iv) Sundaland - Andaman and Nicobar island is a part of this range.</p>	
<input type="checkbox"/>	<p>e) Habitat engineer</p>	
<input type="checkbox"/>	<p>It is any organism that <u>creates, significantly modifies, maintains or destroys</u> a habitat. These</p>	✓
<input type="checkbox"/>	<p>organism can have a large impact on</p>	
<input type="checkbox"/>		

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Disha  
Pg 3

Q.no

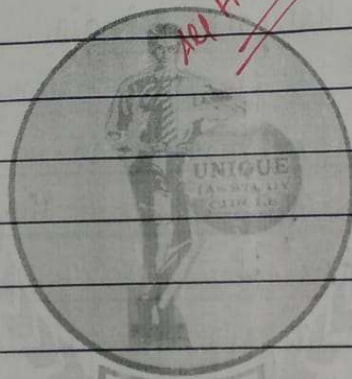
the species richness and landscape-level heterogeneity of an area. It is subdivided into two categories →

a) Allogenic engineers → modify by mechanically changing living or non living components.

b) Autogenic engineers → modify the environment by modifying themselves!

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