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**Saraswat Vidyalaya's  
Sridora Caculo College of Commerce & Management Studies  
B.C.A. Semester I End Examination, November 2022**

**ESA-101 Environmental Studies - I**

**Duration:** 1 hour

**Total Marks:** 30

**Total No. of pages:** 2

**Instructions:** i) *All questions are compulsory.*

ii) *Figures to the right indicate full marks.*

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**Q.1. A. Answer the following.**

**(5X1=05)**

- I. A national park has defined boundaries – True or False
- II. The pyramid of biomass of a single tree ecosystem is inverted – True or False
- III. Two physical means for arresting coastal erosion are \_\_\_\_\_ & \_\_\_\_\_.
- IV. Export of iron-ore from Goa was capped at \_\_\_\_\_ MT.
- V. Organism at the top of a food chain is called \_\_\_\_\_.

**Q1. B. Answer the following briefly.**

**(5X1=05)**

- I. State the forms of intervention in Integrated Pest Management.
- II. Define 'biodiversity hotspot'.
- III. What was the main cause of human-leopard conflict in SGNP during 2001-04.
- IV. Apart from hydroelectricity, state the forms of renewable energy based on water.
- V. State two major differences between grazing and detritus food chains.

**Q.2.A. Describe the environmental ills of cattle rearing as per the film 'cowspiracy'. (05)**

**B. State and explain the various sources of non-renewable energy. (05)**

**OR**

**Q.2.X. Describe measures taken to improve farmer incomes in Phaltan district of Maharashtra. (05)**

**Y. Explain means by which mining in Goa can be made more sustainable. (05)**

Q.3 A. Explain the various plant and animal adaptations of a desert ecosystem. (05)

B. State and explain the various uses of forests. (05)

OR

Q.3 X. What is biodiversity? State the reasons for loss of biodiversity in India. (05)

Y. What measures can the government implement to improve water availability in Goa. (05)