

EXPLANATION

1. Ans) (a)

Cashless society	
Pros	Cons
<ol style="list-style-type: none"> 1. Reduces risk of violent crime. 2. Reduces tax evasion. 3. Harder for criminals who rely on cash payments. 4. Quicker transactions and shorter queues. 5. Better hygiene. 6. Reduces worthless spare change. 7. Cash imposes cost on banks and firms. 	<ol style="list-style-type: none"> 1. Many adults lack access to bank accounts and credit cards. 2. Privacy issues. Government gain more control over citizens. 3. Cash helps households manage finances. 4. Freedom to choose would be taken away. 5. Cash has intrinsic and emotional value e-cash doesn't. <p><small>www.economicshelp.org</small></p>


2. Ans) (b)

Indian Biological Data Centre

National repository for life science data
Regional Centre for Biotechnology, Faridabad

Data Types

- Nucleotide sequences
- Protein sequences
- Mass Spectrometry
- Structural Biology
- Imaging data
- Any other biological data



IBDC activities

- ✦ Archive
- ✦ Curate
- ✦ Disseminate to the scientific community
- ✦ Training for HR development
- ✦ International Collaborations

OBJECTIVES

- Provide IT platform for perpetually archiving biological data in the country.
- Development of standard operating Procedures (SOPs) for storing and sharing the data as per FAIR (Findable, Accessible, Interoperable and Reusable) principle.
- Perform quality control, curation/annotation of data, data backup and management of data life cycle.
- Development of web based tools/APIs for data sharing/retrieval.
- Organization of training programs on 'Big' data analysis and benefits of data sharing.

3. Ans) (b)

Likely the most persecuted big cat, leopards are listed as “Near Threatened” on the International Union for the Conservation of Nature (IUCN) Red List of Threatened Species, though they will almost certainly be uplisted to “Vulnerable” in 2015.

4. Ans) (d)

kuthiran Tunnel is Twin-tube tunnel at Kuthiran in Thrissur District of Kerala state in India. It is located on National Highway 544, owned and operated by National Highways Authority of India. It is Kerala's first-ever tunnel for road transport and South India's Longest 6-lane road tunnel.

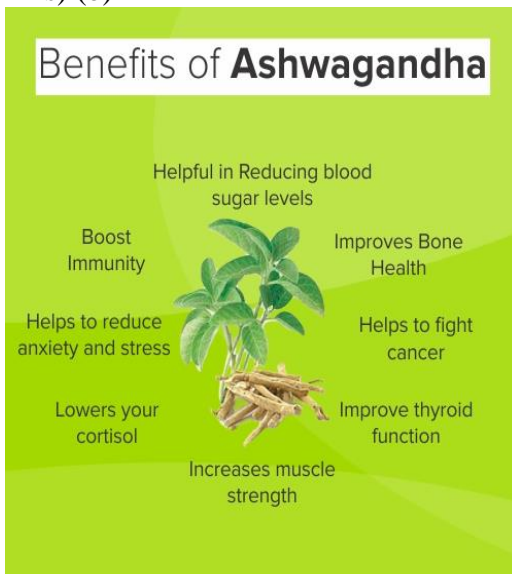
5. Ans) (d)

NISAR is a joint Earth-observing mission between NASA and the Indian Space Research Organization (ISRO). NASA and ISRO are providing two radars that are optimized each in their own way to allow the mission to observe a wider range of changes than either one alone.

6. Ans) (d)

In poor weather conditions, more particles are present in the atmosphere to scatter the upward-bound light, so sky glow becomes a very visible effect of wasted light and wasted energy. Sky glow is of most concern to astronomers because it reduces their ability to view celestial objects.

7. Ans) (b)



8. Ans) (c)

9. Ans) (a)

10. Ans) (a)