

Date :- 28/11/2024

Que: What is INSAT & its stages? What are the uses of INSAT? [250W].

- Ans.
- INSAT refers to Indian National Satellite System.
 - It is a series of multipurpose Geo-stationary satellites, launched by ISRO.
 - It is a joint venture of Department of Science & Department of Telecommunications.
 - INSAT provides 199 transponders.
 - Cospar Sar-Sat programme is also under INSAT, which functions search and rescue system.

⇒ The stages of INSAT are as follows:-

- INSAT-1 :- In which satellite & launch both are foreigner.
- INSAT-2 :- This has indigenous satellite and foreign launch.

- INSAT 3 & 4 :- They are totally Indian (But launching... foreign)
- INSAT 4CR is the best example of it as well as INSAT-3DS is an indigenous satellite and launched from SHAR.

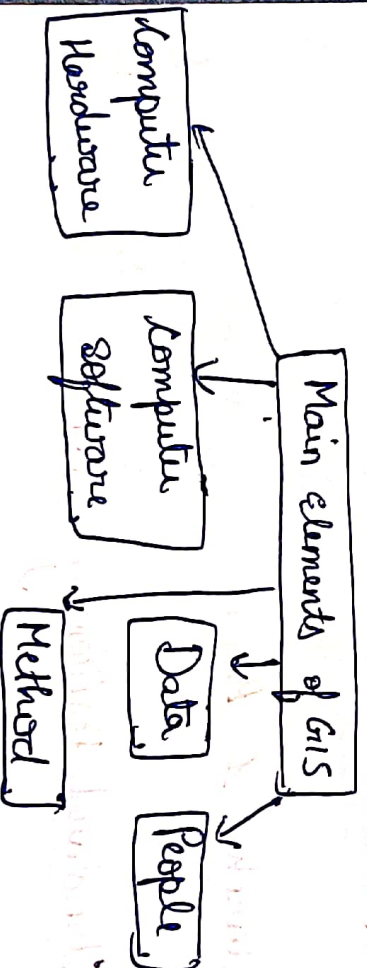
⇒ Uses of INSAT :-

- Telecommunication
- Meteorology
- Broadcasting
- Tele-medicine
- Search & Rescue
- Standard Positioning Service
- Precise Positioning Service
- Remote sensing

In a nutshell, INSAT is a multipurpose satellite and has become a crucial tool for telecommunication, meteorology, search & rescue which is helpful in maintaining ~~the~~ internal security.

Ques 2 - Short Note [60w]

Ques 2.
GIS is a computer based Global Information system, for the activities such as capturing, storing, analysing, manipulating the spatial and non-spatial data.



GIS is helpful for business, government, environmental analysis, to know the location, size, shape, infrastructure planning, etc.

Question
No

Que 3. Space X - 20 words

Ans. Space Exploration Technologies corporation (SpaceX)
developed by Elon Musk with the goal
of reducing space pollution and consolation
of Mars. E✓

Que 4. Mission Shakti - 20 words.

Ans. It is an successful anti-satellite (ASAT)
missile by shooting down a live satellite.
It was tested in the wheel Island of
Odisha. This satellite is can be considered
an eye keeping satellite for other. X✓

Que 5. Vikas Engine - 20 words

Ans. It was developed to the thrust version
of payloads capacity of the space agency's
launch vehicle. The fuel in this used
was hydrazine and oxidizer. E✓