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UNACADEMY ICT

Written By. Saurbh Pandey

- Theory
- Explanation
- Derivation
- Example
- Shortcuts
- Previous Years Question With Solution

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Introduction to ICT and its Back Genound

ICT: Information & Communication Technologies.

Meightage: (18-20m). = 6/8 from Mobile Apps Meb online platiforms I's strom These Topics. -> AI (Artificial Intelligence). semoir showlfoz | sheambleotl < CDMA: Code Division Multiple Access. \rightarrow Languages > Cryptocurorency

> IEEE -> operating frequency Range.

(2G, 3G, 4G). SI Model. → Digi locker. → Fage Tag -> PRAGATI.

OSI Model.

→ e-governance. · 3D-printing.

→ e-Nam. -> NPCI.

~ Digital India.

Mostly, Curent-Affaisis sielated ICT 0's will be asked in ESE Exam

This part Covers both ICT and Convent Affairs.

- D Meacury: Neasiest Planet
- 2) Venus :- Hollest (ba) Brightest (Due to Excessive GHGis).
- 3) Ewith: Life exists: That siegion Called as: Gioldi Locks zone.
- W) Moors . Red Planet) [4213 ETH ZEI 2111]

 - - - Astorold belt (Stones moves once).
- 5) Jupiter: Laugest Planet
- Saturn: Rocks Stones around saturn (gases + Asteriola): it why to belt around
- 4) DOLOUPS:

fractor hy

- Neptunes = Eaerlier Pluto is Considered as planet, Krot it is not.
- Pluto dwarf planet (others like (ceres, exis, Haumea, make make)

Venus

Pearl to Mest

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Revolves

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To become a planet

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will be there like

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stevolution etc.

Revolution etc.

Revolution

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Conditions

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The planetic conditions

Condiden Taliff to.

ies near by earth in which scientists searching earth like Opiects.) → Goldi Locks zone: (meutres for .: - Titan. (of saturn) > Maxm No: of moon: (Saturn) - (82 Nos) Longest moon an Jupiter: - Garry made. -> Mercury & wanus: - No Atmosphere. Space Couaft: Fay form: Math NASA NASA: National Appronautics and Space Administration. Estd: 1958. [Estd: Established] HQ:- Washington D.C., United States. > MESSENGER :- MENCUNY NEW HORIZONS :- Pluto JUND: - JUPITEN. [JUND: WOOTID'S 1st Fully Solver Rower Space Craft]. MAVEN :- Moors Atmosphere & Volatile evolution. > :- Space Craft: - Cwiosity rover. 0 CASSINI - HUYGENS: - SATURN.

(Estd: Established)

-> ASIRIS - Rex :- To study about Asteroids.
-> TESS: - NASA'S Observatory. (operational).
> Keplear:- NASA's observatoary to discover earth like objects-
Decommissioned Now.]
And the second of the second o
NOTE:- Exp planet:- Planet outside own solan system.
> ISRO = P[Space Application Centre] SAC: Ahmedabad.
Remote sensing: (Hyderabad)
⇒ ASTROSAT: - India's first Multiwave length Observatory.
→ India's Heaviest satellite: - GSAT-11.
=) India's " " Rocket s- GSLV MKIII.
=> (Chanderayan - I:- ISRD'S Lunar Mission.
Laurnced in: - 2008 [PSLV:-Polan Satellite
Bu 125000 :- PSIN - C11. Launch vehrole

[Jawahan Point].

evidence found: Ice evidence

7	1141 (1544) ad 11 = 2				
A	Lautinched on: 22"	d July, 201	9,		
٥	Reached on Moon:			luaz e'na	tr Pole).
)	reached on Moon:	20 Hay, 2	2019.	01.2	
	Aim :- Soft Landing	•	Launched	tion :	Satish Dhawan
1	Landor: Vikram.		f .		Space Centre. [shrihorikota].
į	Rover : Pragyaan			,	J.
Laun	ched by Using: GS Rocket-(nam	ELV MKIII.			Both Chandrayan -1 and Chandrayan -2
Indi	a became 4th Country		BA, china,	Russia,	week Launched from here.
	Launch Lunan Missis			*	Thursday.
⇒ PSL	.V:-Polaon Satellite Leur	nch vehicle.	4		Destroys)
≯ GSL	v:- Geosynchwnous	Satellite L	aunch vehi		-Can't Be Rewed Often placing of
⇒ RLV	170:- Reusalde Launch	Vehicle -	Technology		Calabala
	→ India became 4th				
<i>→ /</i>	Aditya - I :- ISRD's	Soloel Miss	sion. (2026	<u>)</u>	· January Section of
→ 1	Artificial moon 7			y	f
-	Artificial moon Jac	Thina.			
	, 6 (P)				2
→ 1~	loorld's fastest super Co		-0000		
\rightarrow \supset	India's " "	" :-	Pratyush	[Pune]	. 1 ' - ' - ' ' . '
		m .	Develor		
		100		ped by	T Department
1		4			cutie for Dankholman
	and the second of the			of Adva	nce Computing."

- > Splica Aestogel: Wostld's Lightest material.

 (Developed by ISRO)
- > GAGANYAAN:- To be launched by the year 2022!
 - > ISRO'S 1st Human Mission.
 - > It will covery 3 Astronauts foor 5 to 7 days, at an altitude of 300km. [Low Easth Oorbit LED].
 - -> GSLV -MK III Rocket will be used.
 - -> India became 4th country to Launche Manned Mission Often USA, china, Russia.
- > INSIGHT: NASA'S Mission food deep interior Study of Moois.
- -> GAGAN: "GPS Aided Geo Augmented Novigation System".
 - -> developed by ISRD & AAI.
 - -> Mainly Used by Railways and Airposts.
- -> Mavigation Systems: (of Different Countries).
 - (1) GPS Global Positioning System USA L> 31 Active Satellites. Total: 74 Satellites
 - 2 GLONASS:- Russia
 - (3) GALILED: European Union.
 - (4) Beidou (Os Compags) :- China.
 - 5) Quasi zenith :- Japan.
 - IRNSS [ON NAVIC] :- ISRD

Indian Regional Mavigation

Satellite System.

7 Satellites were Launched

PNSS

0

marred as IRNSS-1A,2A,.

A: Improper function, So, 1H.

→ NAVIC COVENS Indian Sub-Continent.

NOTE:-

In Single launch ISRD Placed 104 Satellites by Using PSLV C-37, in 2017.

- → India's 1st satellite: 1975 [Anyabhatta].
- -> 1st Person on Moon: Neil Armstrong [APOLLO MISSION], USA
- > 1st INDIAN in space: Squadron Leader. Rakesh sharma.
 [Missiph SDYUZ, USSR].
- -> 1st Indian Woman in space: Kalpana Chawla.
- > 1st Dog in Space :- Laika, (Sputnik-2, USSR).

 Died, (Over-Heating).
- ⇒ CERN:- (Location: Gieneva).

 Ly Woorld's Laugest Nucleon Physics project, to find out fundamental

 Bub-atomic positicles. (electron, proton, neutron).
 - → under this peroject, Large Hedron Collider [LHC] installed in underground Turnel.
 - → Bombouldment of atoms takes place inside LHC everything generation of Subatomic particles Like Higgs Boson (691 God's positicle),

Chi-3p, bouyons, Neutrino etc.,

- -> These sub-atomic particles helps scientists to understand about Evolution of universe.
- → CERN: Members: 22 + 4 Including pakistan.

In 2017: India become associate members of cern.

> India's 1st Neutono Observatory: Theni. (Tamil Nadu).

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	Woble Physics)	
>	In 2016, NASA experimentally detected Genavitationa	1 Maves.
	→ Under ELISA PROJECT.	formed by NAS
	> helps scientist to understand about formation of 1	Black holes.

-> [LISA Path finder detected gravitational waves.

(LASER Interferometer Space Antenna)

1916 - Einstein

> India's 1st Governational wave observatory:

:- Hingoli, Mahaorashtra

- → India's 1st 5G Lab: IIT DELHI
- > Granitational force: Weakest force
- → Mucleaur foorce: storngest foorce.