Your representation of the answers is quite impressive. Content of the answers can be improved to fetch more marks. Include some more examples, case study, commitee recommendations to gMAINSeMOCK TEST-3 (2021) Keep writting answers U.P.S.C 1. Inter governmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) report estimates unprecedented Biodiversity loss in recent times. What are its important observation and discuss efforts towards the conservation and protection of Biodiversity. (10 Marks, 150 Words) IPBES on is an independent body that acte as a think tank for efforte on broduereity conservation. Among other concerns, recent report claums that 40% of amphibian species are turestrued with extinction. Important observations, · about one-third of seet forming corale are threatened. · increased natural disasters to global warming habitat trogmentation - major cause of biodiversity wel



## Academy For Civil Services # Samera India Sinice 2006 1: 2008 Certified Institute U.P.S.C

o introduction of invalue, alien species such al water hyperittu.

Efforte towards conservation.

- convention on Brological Divertity (CBD) was adopted in 1992 to conserve brological devertity
- OUNESCO Brospure Receny
- · Wildlije Protection Act, 1972.

national parke, wildlige sanctuaires et e

- Project Tiger, Project Rhyno et e of Indian government.

Brodwerstly loss is detormental to planet's relability. Global as well as local efforts must pave the way. 3.5/10



## U.P.S.C

 Does Shailesh Nayak Committee Report on Coastal Regulation Zone promote sustainable development of coastal areas. Discuss the CRZ 2018 in this regard. (10 Marks, 150 Words)

In Coastal Regulation Low (CRZ)
grindelmes are assist to give impetus.
to both tourism and developmental
activities.

Features of CRZ 2018/

- otemporary tourist smuchings in CRZ III allowed.
- Floor Space Judex (FSI) norme ealed -So can help in affordable howering dwelopment.
- ealing restrictions for highly populated areal 20 no development zone norms



U.P.S.C

· earing norme for development of walke
tocalment faculities
and association and shahed the grant Security Transport Title (15)
Teaml on CRZmorme 2018.
· commer cialilation of coast may adversely
import écosenature topus.
- can affect evotone nature of beacher
and interfour wetlands
· Sea tevel rose impact not
considered while deluting ND & normal.
Tway toward.
VIII VIIII VIIII VIIII PROMITE
· in cluenois of citizen teedback
20 1 10 10 10 10 10 10 10 10 10 10 10 10
window to allow. teedback before
taking on large projects.
CRZ norme today and to balance.
development and concernation. It much
contraction and action
be unproved by involving multistakeholder
Good representation.

approach



### U.P.S.C

What are the opportunities and challenges in the Cyber Security framework in India? (10 Marks, 150 Words)

eyper spou is existed for Judia's long term mage as well as national security. Protection of eyper space is referred to as eyper security.

Opportuities in Indian ey ber security framework.

- · eritical ûntrachonchung protection eg:
  - banking, defence equipment
  - · data prostection and the integrity
- · prevent anonymone hacke fattacky
  - eg: role of CERT-In in eyber
    - Se curry.
- recomme ceumby of shares, stocks

ASPACIA D

banks etc



# U.P.S.C

1 Challengeland mention of the second of the	
- no national tevel architecture for	.2
ey ber recurity. unliké ED	٠
· human retouve crunch - tere	
torquied work for 4.	
· no independent ever dinaling pody	
» uder ministerial coordination	
boothlenecky	*
way toward.	-
in plement Matronal Cyber Jeanly	
Policy 2017 in reder and sprid eg:	
training 500000 prote comals in	
ey ber le euroly. Include Budapest Conve	
Cyber security is goowing in	•
a Allect of	
security.	
0.000000 4.5/10 4.5/10	



### U.P.S.C

**4.** Global Assessment Report 2019 highlights India's vulnerability towards disaster. Mention its findings and discuss the reasons for disaster Vulnerability. (10 Marks, 150 Words)

With India's unique geographie betation and pry erography, it is one of the most reulnerable nationic from a disaster prone perspeane Global Assessment Report 2019. · geology of Judia -one of the most in postant reations for its vulnerability · Himalayan regroin, - most reubnevable to earthquake du to faults in between continental plats. o rionig population eg: implained urbaini a atroin - gruing rule to in created vulnerability.

· rent nerbauty of cyclonus due to.



### Academy For Civil Services In Eastern India Since 2006 1: 2008 Certified Institute Only Services for the Services

both before and after monsoon.

Challenger -

- a focus more on post disaffer relief in Judg.
- · Everbeco nomis conditions limit people's ability to give attention to digeter. management

( Waytorward

- Apada Mitro, mitiativis - that allows community in remember in relief and relcue. Implementation of Sendai framework

India's reulmerability to disasters il a reality that must be dealt with

international ecoperation (eg CDRI) 4/10

ong cooldina as



### U.P.S.C

5. What are the current National and International efforts towards disaster risk reduction? How will coalition for Disaster Resilient Infrastructure help in this regard. (10 Marks, 150 Words)

Disaster rolle reduction is critical rent merable nation like India. Define DRR. Watromal efforts · Indo ensered the disaster Management Act 2005 - suit from relief centine approprien to proactive approprie · Nations al Dilaster Management Policy and Walword Dreaker Management Plan 2016 GRIHA rating system. Eco Nivas Samhita · India il part of the Sendan Francwork - teat covers all shall prevention, mitigation as well as manao mul 72 m s some de manao



### U.P.S.C

Interma	twinal e	efforts	320200-7		12 25 75	4,375 (i.e.
	Frameu	•		Action	till	2015
that i	defauléd	mulh	seel	roral	app	mode.
	is France					

state nal prinary mole but multi Stakeholder approved it meded along with tangets

Way forward.

estrengthen best proclie channy all part of CDRI - evalution tox disalther resilient infragructure Repetitive content.

Apada Mitra - commundy movement.

Disatter Rick Reductions Encuell will

Melp Judia mut and Enerain its

SDB goals.

3/10



### U.P.S.C

6. How does climate change lead to desertification? Suggest measures to minimize land degradation. (10 Marks, 150 Words)

Descriptications is proved where land it degraded in and, seem and region, that makes the land unsuitable for thora and found entrenance.

Climaile change reads to deservitication

o intensification of water segrety in some areas - so areas the Vidarbha see

delertification.

- leade to loss of topsoil.
- exul eo 2 in aur Include some examples.

proliperation of invalue alien speciel loss of endemie speciel.

inducet desertification



# U.P.S.C

Measurel to monumile ingature un pact.	0
. Pm & Krighi Sinchayee Pojana - mor	e
emp per drops	
· Mational Green Michon in Syne with	
recent Bonn challenge.	
· UN's EDG goal of achieving LDN	
· UN'S SDG goal of achieving LDN Claud Degradation Mentrality ) by	
2030.	200
· GEF and Government of India le point	
implementation - SLEM - surfain able	
land and ecosystem management - for	
sustainable land use.	
Preventing / slowing detertification	1
has strong tonoard and backward 4/10	
Imkagu. 4/10	



# U.P.S.C

7. Paris deal is said to be a true successor of Kyoto protocol to save global climate. In this regard, highlight the challenges involved in global cooperation and implementation of Paris deal. (10 Marks, 150 Words)
Pane deal refers to the broad global agenda for fighting clumate change chalked out at COP21 in 2015 at UNIFECC
meet.
Challenger involved in global cooperation
ono agreement on implementation mechanism for Loss and Damagel, that
aun to finance adaptation efforts
the developing countriel.  disagreement on the future of Article  c - carron market a and carry
tonward of earlorn wedite.  To bould a year target - 10 mood
concern of pulling out of Us from the Pane climate deal



years

## U.P.S.C

· adoption and communication of HDe - nationally determined contributions.

review nechanism of NDCs every 5

Ju paris climale deal is paramount to or limiting global temperature rise within 2°c of proe industrial levels

3.5/10



# U.P.S.C

Does Recent Amendment in Environment impact Assessment dilute the public participation in policy making? Critically Examine. (10 Marks, 150 Words)
Recently the government has amended
the ELA rule. It calle for a careful
amalysil Define EIA.
Bostwel of the occur, amendment.
· allows for post tacks approval 1200
· allows for post tacks approval for project - that can boost investment,
ogreater clarity on structure of approval.
Land Land
a decembrallation - more
abother tox awing approvate.
Lesus with the amendment.
- son treto approvar - qua
principal of v proceaudionary principle"



## Academy For Civil Services As Academy In Enter inclus Since 2006 An ISO 9001 : 2008 Certified Institute Control Civil Services (For the Notices)

that is possess cornerstone of environmental 2ne tainabolity · reduction in public contratation procus time. - so less participationy process · Eweeping exemption for Metrolegie profest to be relieved from patting information in the public domain May forward a cale by call ball relaxation against publishing public information

consultation. Include Arhus Convention principles
ELA mile need to balance
development at well at environmental

precaution any pineiple much be gridning

light



### U.P.S.C

9. Genetic Modified Crops can be a viable solution if used carefully. Analyze the statement with reference to GM Crops in India. (10 Marks, 150 Words)

Agentically modified (Gm) erop has
gent / gent that are artificially
inserted in the grenome.

It involves manipulation of the DNA of
the plant \

The plant \

The plant \

- Judio - 4th langed GM crop area.

- Bt Cotton - the only GM crop
allowed for entirehon in the

[Challenges related to GM enops

- lack of knowledge of long term effects

· mutant gene can accidentally



### U.P.S.C

cause ecological divalter conwell over eventual food lodely V · gene hopping prenominon that can be transferred into wild plants rera homisontal que transfer I way tomoard · med elean regulation system in India Mention about GEAC. g: Gm soybean being imported without fel At approval. - need to curb · mandatory and clear tabelling Gim emps are reital for topd but ear be double Seamily edged sword. Clandy in regulation 18 key.



### U.P.S.C

10. Californian, Amazon and Australian wild fires are the new normal. How is Climate change causing forest fires? Examine. (10 Marks, 150 Words)

Wildfriel cause earbon emillement lose of immense bijdwerkty Climate change and torset tree. · vieing temperatures due to climate change reduced humidity in soil, leavelfinishion based fines early earled · climate change reduce productivity of agricultural land - so culling do won or burning of foreste to make land for agriculture Les man made cause et wildfire · errochic wounde due to siving temperature and changed in global weather pathons



### U.P.S.C

lead to tacter spread of wildfree. Way toward gapl - tire gap between two forcet Stretchul · building lately explicit for house in forest / cuidis ation interface. · guick response codys for instant newage bared alarum eposead · training locale in fire gotety and isolation of wildfires. - eg: Australia's Project Zero intiglière. Forest fire rick is exocerbated by climate change. Poerentire at well at standard operating procedure for tive management is necessary.



## Academy For Civil Services In Eastern India, Since 2006 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certified Institute Color of the Civil Services India (Since 2006) 1: 2008 Certif

11. Discuss the status of Waste management in India. Provide sugge	estions to tackle various kind
of wastes and related problems. (15 Marks, 250 Words)	

wate management mobile segregation, collection, transportation, recycling and disposal. Only about II % of municipal boild waste is treated by municipal authorities in India.

Problem aborated with wastes,

- · lack of me of scientific technique.
  of disposal.
- · poor landfill mayagement. · poors performant of waste segregation at source.
- extended producer responsibility organie alions' performance.



### U.P.S.C

nunicipal waste and sewage treatment faululier.

Judiane.

Enggestrone to tackle waste metated

problems

- pelletization
- Ambikapur in Chatling art scientifie good.

  I and fill management.
- · biorenediation
- social change and awareness drives must be stepped up eg: 2nd phase



## U.P.S.C

of Swoceh Bharat Mission

nechamini.

wasse management il broth on problem and a solution in India today. We need decent valided made approvable for tackling this. 6/15

The service of the se

quever of picut 10 percultur



### U.P.S.C

12. Is it right the time for ISRO to diversify its operations to private players like its American counterpart NASA? Write the potential in this step. (15 Marks, 250 Words)

Isro established in 1969 to me space tech notogy for matronal development, along with research!

Benefits of 12RD dwerktymig

operations!

· Antroix - commercial wing of ISRO aumed at increasing laurelle tor provate formis - so more revenue for ISRO NSIL.

o In SPACE/- promide level playing field for the private companiel to use Ludian spore infrottouchure.

- Fudia collaborated with Arrisorte Authority of Ludia to develop



# U.P.S.C

GAGAN for indegenous aero navigation
diversification vito new areas
arer soft carrows the
such al human épace flighte eq:
Buch al human épace flighte eq: Gaganyaan milleois.
Beruf it 4
· greater competition in mil with
market principles
a topoet to e pose bound étant ups
« addition at revenue por ISRO
o mureaux in Judia's bott
power the world such of your
Way tomard
- schemet to raise industry geadoning



## cademy For Civil Services Ensiers India Since 2006 2008 Certified Institute

Imhagel eq: IPARC scheme. · raising indigenous production of spou related eapst al goods by having negative viet of impossible. · putting ISRO's non etrategie data in the poublic sectory - so that API boued oned with enough source new apps li cations. 12RO's a bright teather in Fudio's cap. Diversition of its operatione in in me with a market bated approach and it a mided erep to take Indian epole program to the next level. Growing 4000 a number of some midualism orangering



### U.P.S.C

13. In the wake of COVID-19 pandemic, evaluate current disaster management framework in India. (15 Marks, 250 Words)

Ju would 19 pandemi e pril Judia.

on unchanted territory. It put

Tudia's disaster management frameworks
to the extreme tell.

De acter management tramework in Lindia.

powers to control and etale government to make rules for procuedion, evocuation, religh during pandemy

Lockdown under Bracker Management

e Epidenie Diseases Act, 1897 - state govt and lower authority allowed to isen directions.



### Academy For Civil Services Info Earth India Since 2006 11:2008 Certified Institute Civil Services In Earth India Since 2006 11:2008 Certified Institute

Essential Commoduties Act - allows delivery of essential items as well as procuents hoarding of such items. • Section 144 under CrPs to procuent yathering of people in an alea.

Isems that copped up

- · les four on community ted disaster management.
  - lack of coordinations between eentre
  - · health infrastratebure was overbrundened.
  - · united funding for research in dualter management.



## U.P.S.C

[Way forward] · Apada Mitra eclique - for community mobilement in disaster management · amendment to the DM Act to mandate divaster ronning exercile o pm Act to have more elenty on notes of all stakeliolders eg; at Panchay at level. Ju diaster management francework in India must adapt to the multifaceted and multimakeholder neede of a pandemie situation 6/15



### U.P.S.C

14. Technology minimizes the impact of COVID-19 pandemic in significant manner. Elucidate with examples. (15 Marks, 250 Words).

The woorld had been put in uncharted territory due to the covid 19 pandeine. Technology aunic to make the pour ney much eafer and smoother.

Using technology to minumiel unpoet of covid-19, pandemiel.

- · detection facter methode of dueale diagnosie eg: RTPCR tell.
- · contact trocking
- gene editing technologies
- · social weefall in line of online education and dightiled reported of



# U.P.S.C

Autyodaya eulitemente to oct al safety net in times of pandenie.
in timel of pandenie.
. tegistalivé work transfermed to online
mode to prevent princy paralysis.
- reducing Economin e eligibe reia continuation
online banking, treading.
- direct benefit transfer to see a
· le arouges ghost beneficianses.
bomidical water water
har ending of medical ware
Bromedical waste management only
2016.
Improving the we of technology
further!
s legal coherency - pare the Data
Protection Bill.



## PT PLUS Academy For Civil Services inty le Eastern India Since 2006 P001: 2008 Certified Institute TPSC TOPICS TOPI

· concrent state possy - help adapt to new changes eg: Pragy at a guidelines for better adaptation to online education shift. · merearing digital literary eq: Digital lakewarta Abruyan · global consensus for equitable channing of benefits eg: reoccuries. Technological intervention have and continue to oct at shock absorbers in the uncertaintly of the pandenise and name prevented total socio 6.5/15 economire collapse

I'T MAJAMAT



### U.P.S.C

15. Despite being an ICT powerhouse, India has got 48th rank in global innovation index 2020. Critically Examine. (15 Marks, 250 Words).

Global Immoration Judex (G11) report. ranke Ludia at 48, which is fair below Judio's potential. Two calls for analysis.

Petrength of Indian innovation

- and highest number of startupe in 2021 - 80 hub of startups
  - · low cost spou innovation
  - » serviu sector led innovation is

dring Ludia's postential for 1CT

pow where

Bottleneke in Judian rinnovation (2008yetem)



## PTPPLUS Academy For Civil Services demy lan fastern India Since: 2006 9901: 2008 Certified Institute TIPPS C

- " budget allocation is not at par with Ludio's appropriational needs only 0.6% of GDP
- gender meguly only 15% of STEM researchers are swomen
- · intrastroncture is inadequate at

per Gill seport/

not disruptive intovations.

Tway tonward

about 2% - in mie wills other major e comminer



## U.P.S.C

o in wearing torreign collaboration eq:

SPARE sheme of the ministry

of Education.

enitting to an outrome based education

model!

Dentos led releaser:

Outcome that are bother in movation outcome. will help Fudi a octrieve its 10 Gr goals as well as demographic dividends. 7.5/15



### **U.P.S.C**

16. Does Antimicrobial Resistance put danger to India's Healthcare? Analyze. (15 Marks, 250 Words). Autimiendmal mesietaux (AMR) le when minobel (bockeria, parositelete) develop inmunity against commonly wed b, auli broti U. I wie earner more superbrige which leads to health insecurity. Danger to Judia's malthcare system · mirealed spending on healthcare. out of pocket expendelure today its abready 70% of healthours L-thie improveneur the lower half of the population.



# Academy For Civil Services Teasurem India Since 2006 : 2008 Certified Institute U.P.S.C

- e system gets overburdened due to lock of bedg of well al supply of well al supply of welltheam professionals cannot keep pose with the demand.
- realthcare coverage by 2030.
- developing countriel. Henre it can be argued that

autimiens bis al viels stance pute etresse on the healthear eyetens.

I way torward.

Red Line Campaign. - by Health ministrary of government of Judia to raile awareness and to regulate



# U.P.S.C

the use of over the counter autibrother. · budget allocation should be rawed so all to have more bede, hospitale and number. · mage et social media influencers to rauce awaveness about AmR. WHO has let alalum bells singing when it ealled AMR at the growest health viele in our planet today. Acvarinels as well as regulations of sale et autimoties will go a long 5.5/15 w guy

Generic answer.



## U.P.S.C

17. How will biotechnology help India to solve the current challenges in food security and malnutrition to make India Atman Nirbhar? (15 Marks, 250 Words).

Brotechnology is the sum total of all provenes and menantine where, organisms or brotogical products are changed or developed for the attendal aim of benefit of mankind.

As an industrial sector, it can have great products and backward linkages.

Broteennowgy helping & we food ]
in eccurity and malmutrit wn

recretared to cold, drought, heat.

etc eo greater yeild eg: BT Bright

help reduce reconst due to uncertain

montoone, - 70% of crop area a.



# terry For Civil Services enter had a Struct 2006 08 Certified Institute Constitute Const

- development of environmentally triendly fertiliers
- nelps increase leed replacement ratio, due to innovation of better yeld seeds.
- · briofootification that reduced food insecurity and varied mutrical whake eg: iron tookified rice.
- more enopius toeks due to high yearding crop namely.

Tonallengel.

- modified crope is not known.
  - · etical dilemma.



# U.P.S.C

· absence of regulatory body that is independant I way forward. · in exealing industry academia linkage in brotech field eg. as part of make in Judia. - railing funding for agricultural unwertains for relearch eg: ARYA scheme for attrocking youth. Brot echnology has immune potential to end hunger (BDG-2) al well as improve post covid street in Indian Deomomy



## U.P.S.C

18. Discuss the need and challenges related to intellectual property rights in India. (15 Marks, 250 Words).

Intellectual property nights (IPR) over intangible over intangible creations of the mind eg: copyrights, patents, tradunantal etc.

| Need for IPR in Judia,

- · proteets and encourages innovation
  - eg. ville in Global, Innovation Index.
    - of India's rank
- · marketable financial allet mage of

IPRs.

- a roise in realise of gott power
- · in the with goal of Atmanusbhar

Bharat



# 

Challenger in IPF require in Judia ! sould get at determent to immoration al overawed by forselyn pattents · public vitterest may not be served by patient protection eg: covid recenie development resul. · lack of human relowers. - lawyers, patent professional. eommercialisation viele to excial welfare. · standalone software is not patentable al per Judian Patent · huge pendency in patent

challenge cases and appeals.



# U.P.S.C

Province to the control of the contr
How to improve estuation - way forward.
o mirealing in industry, academia
Imkagel
incentivel to powate lectors, to
in weater multiment in It is excation.
allow professors in my my will Education
in Matutione (eg 1119) 10 all is
Support system in patelle verification,
IPR sights much
and an above
Henry in wearing and cation time.
Henry in wearing application time, will out reducing application time.  14 paramond.  5.5/15
11 paramond.
5.5/15



# U.P.S.C

19. Artificial intelligence is necessary for India to harness its full potential for inclusive growth. Critically Examine . (15 Marks, 250 Words).

Artificial mitellique involve neage of computational innovation to allow machines to tunk in similar way like human boans Heed of Al for mederic growth. · productivity nig - lead to more GDP gnowth - so more finance tor social welfall e lecurity / eg: betler border protection, eyber ermie handling al Al bared truscat accement eg: MESRAT At based communal tensions montoring computer in Malyasia.



# Academy For Civil Services Fasterer India Since 2006 : 2008 Certified Institute UPS C

· weather torrecalting eg: to better eroseng then Matronal Mongoon Mission o enhance quality of manufacturing in India under make in India by more efficient assembly mel. · environmental protection. - fine time global climate change tockling policies. · medical eviewes, - better du eare diagnosis to reduce medical bill and expenditure burden, especially of lower half of population eg: today 70% of medical expenditure il out of pocket expenditure.



# U.P.S.C

# Existing bottleworks • poor relearch quality in Al. • lock of sufficient industry ocademico linkages • lock of legal clarity in data protection

require - so nampers long data weage in Al applications.

Tway forward !

· State fouls - eg: National Stralegy

V kamakoti committe's suggesstions
NITI Aayog's Al for All strategy.

in alution of emerging areal little. A

\* torseign relearch collaborations ble under SPARC Reheme. 6.5/15

for inclusive growth in India



## U.P.S.C

20. The advancements in Quantum Computing and Machine learning are said to be double edge sword for Society. Elucidate. (15 Marks, 250 Words).

Quantum mechanise week principle of quantum mechanise where kneep position and entanglement to realty improve comportational rate and expeed.

Machine tearning refers to the abouting to computing devices to learn from past operations to mimice operations of m an attempt to mimice operations of brain.

Benefits of quantum computing.

Benefith of quandum computation exchange reignesses key exchange reignesses entanglement.

entanglement.

entanglement.

huge sile in computational expeed.

eg. complex mathematical computations



# U.P.S.C

[ Machine learning ]
ornanter devices - so Internet of Trungs
(ToT) becomes more effective.
emant contracts, realise chain
management like eVIN network
management like eVIN network for covid vaccino supply chain
Double edged Eword = 118mm
Double edged sword = isens  [ present .
- data security reviel.
· lack of effective relegioch in Indio
that makes ML and & & monorodom
Imited in number.
anderming of comors on
of rifigent. eq: Cambridge Ishay
Teens that facebook got involved
I An



# U.P.S.C

Way torward industry academia med to merene postwes eurrienta in collègee in of QC and m1 I'me with medi Eugineens reduction of data protection bill for regal teeth. con com institution at mechanis for in dependent regulation development Al, ML and QC m Judia winde & c and ML are edged swords, concrent posting and Smart regulation, must pave