

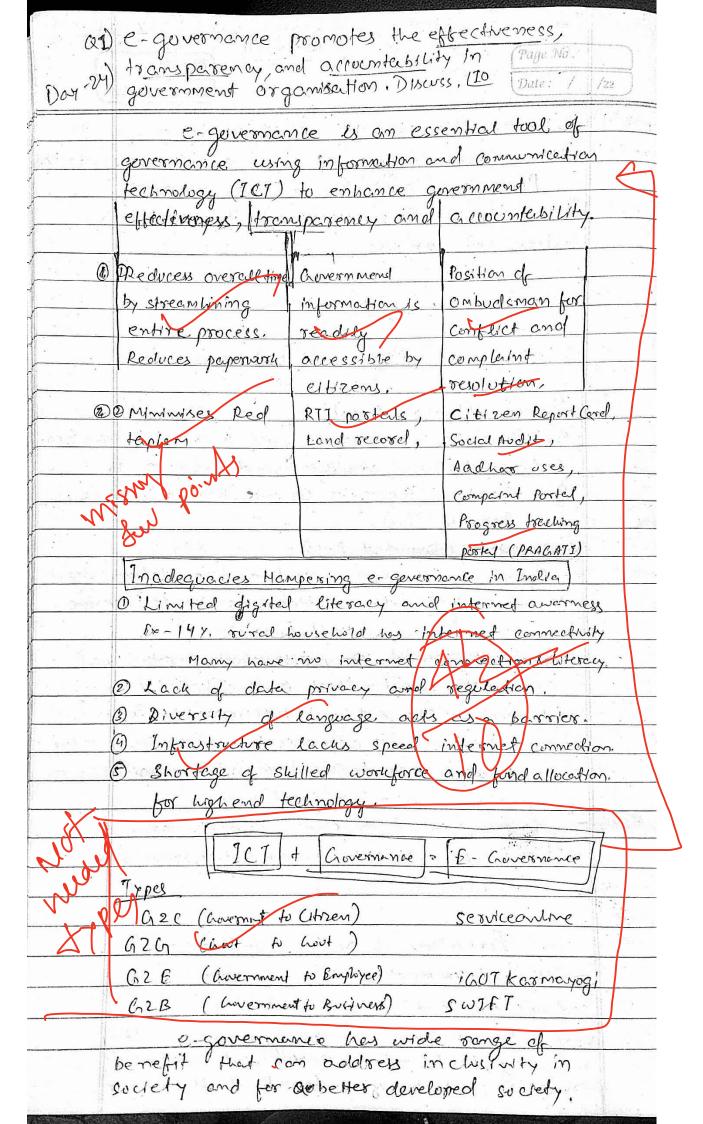
Name		Subject General Studies
Time	Total Marks	
		Comments by Evaluator
Question No:	Marks Allotted	Remarks
		Positive (Continue these traits):
		Joseph ovencul
		- 20 Enounted / Contents
		I - > covers demands of
	AX/	- Soud ovenant -> Exnamledy'e / Conferts -> covers demands of 
		Negative (Improvement needed):
	< WY	-> need to be cohesive / Flow
		> need to be cohesive / flow commen cforces on structures
-		-> relevent examples
		needs to present better
		put say/space in between
		Paramen Ws

## Measurement Tools /Feedback:

Tools	Below	Average	Good	Excellent
Handwriting				
Presentation				
Structure				
Context				
Content				
Language skills		t		
Introduction				
Body				
Conclusion	2		- 1-	

Q1)	Ethics sterrt when law ends.
Vo	Justify with examples. 10 Page No: Date: / /22
Doy	Date: / /22
	Law and Ethics are two pillars that
	shape moral febric of society. Law
	represents of system of rules and
	regulations established by generaing
	authorities, where as ethica perturns to
<u> </u>	principles that general indistribul
	conduct based on moral values,
<u></u>	La transfer de la companya de la com
	1) Laws are representatives of ethics, that's why
,	barns core made what is considered to be
100	ethol.
Nes	En: The idea of equality is born from a
السل	destricent dea that are humans give bornequal
0	1 MM
	2) Ethres shares Lens
0.X	The Satt was a ritual matthe but the
/ <del>- \\</del>	Aloman alive stopped the custom law
	The custom law
	3) Breaking law is Hegal, but boronterry it is not
	Same for ellers.
	Ex In many countries, Curbing peoples voice in
	botto against government is law, but it is ethically
	correct to raise voice or opinion.
T	4) Laws cannot be made to fight unseen
	circumstances, here ettacs plays the role.
	Ex. Corruption, catastrophic event, organi helpdraneedy:
2	
	smeles laws to dominate females is being
and the state of t	changed due to ethical views.
The Control	It is true that if a society is ethical,
	there is no requirement of law. But laws are must
	needed for a society for day to day works.

107-13) I) Ducuss the types of rocks and their characterist Rock is a collection of many minerals. It may be varied in colour well its difference in softness and hardness Types of NOW Igneous Sedmendery Magma - Melenharphic Igneous (Primary Rocks): - Formedform Magma, when it cools its called Igneous rock. Cooling of rocks result in type of grain stres - Exe Coabbry, Regnatite, Granite, Basalt, Volcanic, Breccia, 70H Sedimentery (Denided Rocks) - Formed due to exogenic agents and denidational agents. - Mechanically formed - Sandstone, conglomerate, Unestine shall, loess de. Organically fermed - Greyserite, chalk, Rinestone, coul Chemically formed - Chert, limestone, hadite, potash Mede merphic (Change of form) PVT (Pressure, Volume, Temperature) Metamosphism is a process by which consolidated rocks undergo recrystallisation and reorganization of maderials within original rocks Ex Marble, Anthracite, anesis, Hornfels, Mariposite, Nova culite, Quartzite, Phylite, Schist, Skam, Slate, Sucretone formation of rocks can undergo vasibly and interchangeably into igneous, seclimentery and metamosphille rocks with I cooking, heat, presure, aerobic and anaerobic processes. Contributing to formation of Rock Cycle.



ord implemented of policies. Disturbing to the development Policies are formed by government to solve social issues. Policy fermulation has to go through yerrous stages to ensure development and effective implemented on for desired goals. setting formulation. Evaluation Implemente Hon Budgetin Agender Setting! Problems are identified and discussed. It filters out the core issue from the problem and pass it to legislature for further discussion. Formulation! Identified issue is identifical thoroughly and doof for a solution is Implementation! Action, where Tules and regulations are implemented by despective brans allows A deteiled plan is laiddown to implement pulicy begas per goals and timeline Budgeting! It allows government to manage finances for the policy. Evaluation! Scrutinising all the above step and suggest needful changes to be made for or newex before ment Policies are bluepoint of generalment activities to other desired goals or objectives .

1) India a ctively participates in achieving the UN SDG through Narious initiatives, younge No. Date: / /22 SDC usere global goals adopted by United Watter (UN) in 2015. to end poverty, protect and ensure that by Care identified 16 Peace, Justice & Neent like on megrely 10 frealth )3 8DG Citresa Education, life below Communites Gender 6 water (Equality) production 12 climate TriHakves dehen by (GOI) Townerment of India Naman Crange for eDG 6 PM Jan Dhen Yogama Deen Degal Upadhey Gran Trut Vojon Swachh Brevoit Myssen -Beti Bachao Beti Padhao pm Ujj wale Yojama PM Awas Yojama Tregale mg domling (2016-2021 Toenels neonatul (under live mortelly). duld marriage, under age nternet forward! Formation of Infrastructural, Crender neutrality, prave her points to be addressed is aspiring to become throof economy of world, faced adversities heights

acomplex justice
(2) Explain, constitutional perspectives of gender justices citing relevant constitutional provisions and case laws.
Citing referent constitutioned has been in
Date: / /22
Gender justice is foir treatment of
all genders ensuring equal right and
iposstate approvo tunibles.
[Constitutional perspectives] mandales
Preamble: Justice - Social, Economical, Published
Equality of steeders and opportunity
Asticle 14: Equality before law
Article 15! Equality against discrimination
on grand of religion, race, coste, sex,
There of military
employment, is respective of gender.
Artice 23: Prohibition of human traditioning and
forced labour,
At Hale 39 (80): Equal pay for equal work
Porticle 12: Humane condition for work and
madernity relief.
Article SIA: Respect for women
73°d, 74th amendment! reservation of seats in
local boolies for wo men,
Landmark case lens
Vishaha vs State of Rajarthan (1997): for sexual harassment of work place.
Govern John vs Union of India (1997)! Rights of children born to prostitutes
Tocoph Shine Ve Indea de India (2018): Women's autonomy and
equality in marital relate
Navdej Singh Johar V. Chrim of India (2018)? Probate gender justice by clearininalizing homosexuals
Shayere Beno Ve Unicy of India (2017)! Declared Triple Talag?
rights of Mus Kim wo nem.
Indian Young lowers Association & State of Kerela (2018): Saborimala
(0], through these land mark judgements has any mother of religion
entry emphasizing women's original to explainty in mother of religion to explainty in mother of religion framework for gender justice in India, responsive to assend exclusing the needs.

Days Carbon emission? (Page No. Date: (EV) Electric' vehicles are non-traditional petrol or disel engines used for dell communication. It helps mitigating climate change and meeting terget of Limit warming to below 2° cos1.5° c (Paris agreement). How EV helps reducing carbon emission and Combat allmade change Lover greenhouse ges emission! Ev's produce lower to zero emission unlike conventional petrol or diesel powered vehicles Lifecycle Emission! The total emission over its lifetime is negligible. Reducing Corbon footports Transition to grean and renewable energy sources like fund, solar, tidal and many more has reduced Carbon Gootprong. Energy loss! Compared to traditional internal Combustion enginer, by's have 90% efficiency which reduces feel losses and ultimately Ask quality improvements; Negligible or zero emission helps improving air quality NO Noise pollution: Unlike traditional combustion engines Evs donot produce any significant noise which helps reducing noise pollution as well Ev. are a powerful toul to fight against carbon emission and climate change, , wich could change the transportention landscape towever,

Urite a note on Elastocaloric metals? le 26 (Page No. Date: / /22 Elestocatoric materials are solids capable of stress-induced reversible phase transformations during which latent heat is released or absurbed. Example - Rubber Elastocaloric effect When a rubber bend is twisted and untwisted it produces cooling effect This is called elastocoloric effect'. A stretched band absorbs heart from environment, it releases head when is released and cools down. Application Researcher developed a foridge of the size of bullpen stee contridge that we able to bring down the tremperature of small volume of wader by 8°c in a few skronds. It may lead to development of greener, higher efficiency and low-cost cooling fechnology. Advantages ! O Reduces global aroning. and can help meeting tergets of Earth summit, 1992 Reducing use of CFC/HFC. @ Wider use are to low cost and high efficiency. 3 Meeting SDC goods. This new fooding in technology Can have a greater impact

Q1) So chalism address in come inequality. Discuss, Page No . Date: / /22 Socialism is an economical and political system in which community collectively owns and controls the preams and productions and wealth to create equality and just society Socialism addresses income inequality Public ownership: Socialism advocates for a significant portion of economic resources under gevernment control, as the government manages and clistributes industries for utility, toronoupo of whole society 2) Chevernment owernship! Societism gives rise to socialistic economy, where the government takes appropriate action for social-economic gods. 3) Mixed economy! Some socialist systems like Nehrussen socialism advocate for mixed economy where both public fond private sector coexist, strategic inclustry are owned and operated by generalization Others are left for private entities 4) Worker's Right! "Importance of worker's Right is emphasized. Article 43 A, preamble Keshavanada Bharak case (1973) advocades supports it. 5) Reduction of inequality! One of the prime good of socialism is to reduce income inequality. By having a substentive postion of resources on public honols or government, it would be equitably distributed amongall. Socialin continues to be a herquiding factor in contemporary times to promote egonomic equality and susteinability in long run.

CDP'S
22) Define GDP and explain its deferminants. GDP is indeed an essential economic indicator, however
indeed an essential
with bimitations. Discussile (Date: 1 /22)
GDP is the standard measure of value
of final goods and services produced by
a country for a particular period of time.
Defendents of GDP
Duty Contract
Lebour Capital Stock
Le bour force! resources progress
A growing well-educated and shilled
labour force can suppliment economic
potential formerols growth and productivity.
Capital stock: Accumulation of capital con
increase patential for productivity and
growth.
Technological progress! Increases efficiency
of potential growth and productivity. It
· also increases quality, service and cost of
production,
Natural resources: Availability of neweral
resources sud as land, runerals and
energy can impact economic potentical and
growth.
Policy! Yariaus government policies com suppost
investment and innovation that can increase.
potential growth.
Comp is a Limitentions of GDP as an economic indicatory.
O Private sector job creation: Unemployment can be.
dratically reduced it private sector jubs are sufficiently
DACTICULATE Post in a grade of the dead
Elagriculture Root in agricultural sector will increase
allied industry that will boost economy and
seduce dependency
3 Improve regulation: Imp can enhance efficiency
other compliance related activities.
one compare reacted activities.

Otherth! Improvement of health, healthy Westyles infrastructure con significantly affect for a better economy Accurate data and its objective analysis vited citizen to provide will enhance sewred that will monitoring labour parthcaptron and for indenstanding a volveible tal and malue inferred economi can positively impact evera decission that small enot Mers ginal Fragmented Lend holding 1Absence of Leval record Victors cycle of Low income Land ownership Low socioeconomic and socio-economic Steetus to credit and Steetus low investment Low Morket curplus Exploitentian by traders

How old land referms in some part of the country help improve socio-economic conditions of marginal and small berner? lo Land reform is about changing and distributing land owenessup by changing regulations or custom or practice During British ray many last their land, which was redistorbuted in Post-in dependence by land referry for equity and bollenced socio-economic development Land referen helped improving socio-economic Conditions of marginalized and small fermens ) Abullton of zamindon system! Redistribution plemols from landlords to landless or marginalized frames It allowed them to engage in aggled three aethibies, earn and secure livelihood, Yenancy reform! Four treatment, reduced exploitention increased stability and long term to enhance productivity and income. 3) Acress to credit and resources: Ownership rights allowed to use land as collecteral to obtem los from timencial institutions It allowed to invest in agricultural input, modern technology, infrastructure and pyrroveo productivity and income levels 4) Agricultural productivity and diversification Secured lend lead to long-term Hamping and investment, crop diversification, findin desired buyer, which improved productivity and income levels, 5) Socio-economic empowerment! Decision making process both individually and gave algority and enhanced socia-economic well being in society and reform caused provided a security, reduced exploitation, improved bargetimes power and self sustains long term plans to improde socio-economic conclitions, implemed productivity and livelihood

(0.2)	Flabora ba di a a como il constanta al land
(42)	Processing industry in India, Page No.
All the	Dáte: / /22
4.	In a fewd processing industry raw
	materials are processed into intermedical
	foods or edible items using scientific
	knowledge, and technology.
	Scorpe of feed mobistry in move
1	Olarge now moderical base move
	Largest produces of meast
	Second largest produes of several four
te te	and vegeteibles
	Diverce products: Wide range et agricultisel, hor Hultural twestock, marine tistings
<u>Augustur</u>	hor Haltured twestock, marine tostorpos
1	available,
, t <sub>i</sub>	(3) Market 812e! One of the largest consumer
	market due to highest population and
	demand well ferther increase.
1	(Worrently the largest FDI receptents and
	gevernment also supports.
	Go PMKSY-PM Kich Sampoda Yojana
	PMFME - PM Formalization of Micro Find
	processing Enterprises
i	PLTS - Production Linked Incontine Scheme
1	@ Unterped potential! only 2% of fourts and vegetables
	10% of marine products are processed currently.
	Significance of fevel including in Inolig
	DEnhance fermers income: by brester attisation
1	and value addition of agricultural production
(	2) Reduce wastage of bood product by cheveloped
	and modern infrestructure for storage,
)	transportentian and processing, of as
(	B) Research and Development for pag to threat
	produces and processing and packenging
	will help storage distribution and geconomic
1000	gerns.
7.00	마이트 아이들 아니다 아이들 아니다 아니는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이다.

(1) Employment generation! Direct and indirect employment octs as a bridge between @ Fight malnutrition: fortified and, vite mins Atch and remembral minerals can fill nutritional gap of our society. 6 Crop-diversification! Various industries will attract diversity in crops will enhance disense cropping pattern and crop-diversification as well and it will benefit returning and recycling of soil nutrition health. Foul processing industry has significant scope and importance in each reconomic development. It will in body immense potential of India's agricultural and industrial sector fer a developed and susterned country ahead, Q1) What is od pollution? what circite impact on Marine ecosystem? In what way is oil pollution to particularly harniful for a country like Inchange? Introduction of oil substence, maint by anthropogense activities like tentiers, drilling, spills from refineries into passive the environment Oèl pollution, En 1-8 milerge od spills from tember on average. Impact on marine scosystem you ocean - Reduces amount of dissolved on ygen Reduces similight penedration reducing blo-diversity 2) on marine like - Disturbs respiration Disturbs temperature markage Disturbs digestion and photosognithe marine terna and plana 3) Habitet destruction - Disturbs mangrowne, estrary like, habitest such sally/marshy lands, corall reefs Sundarban threatned by multiple oil-Impact on India -Vast coastline of bodia and huge dependence on crude oil makes it vulnerable Director ecosystems like Sundarbon, Bhiterhanika, Malshadueep Cerals, Kerela backwaters in terms of biodiversity losses, High vulnerability to cyclones, coasted flooding, Makes cleaning process difficult imperative of India to have a sobust preventive measure, emergency response plan,.
Stringent regulation to antigete risk. Advanced technology
can be used to fight post-oil spill treatments. 92) Solid waste management is a critical aspect of environmental sustainability. Discuss thath Indian content. Solid waste management is the systematic process of collecting, treating, disposing and recycling sold weste generated by human activities. SWM affects environmental sustainability in India 1) Weak and incollequate sum system Rapid and implanted usbanisation leads to direct or indirect emvironmental and public health degradation. 2) Irreguler Handling and waste collection Uncollected and untreated weste causes Methane emission, foul order, our pollution land and water contemination leads breeding of rodends, harmful invest which rouses environmental andegradation diseases. 3) Landfill and Open Dumping! Destroys natural habited, depletes flora and tourna issues of commals and clr that humans 4) Open turning and incinercution: Of solid wester causes emog and respiratory diseases, inflemmation. M Implications and Recommendation for SWM 1) segregation of Sulid and liquid wastes or per treatment. 20 Osing advance science for dumping and land-fills 3) Waste treatment plant of wastes 4) Swachh Bharret Abhryon like policies to make an impact on suchely 5) wester to energy projects 6) Biosemediation techniques 7) Public awarness and Education. 8) Decentralized Swy techniques to reach last brile wastes Swm is a vited tool for activing healthy society and envisonment. continous effort, imprementation can achine swim in tuture.

1) How do you handle situations where company Doy30 policy conflicts with your personal ethics? It is a perfect example of allucal dilemma between personal ethics and professional etts. It is a frequent situation that professional workplace. It involves a situation when obeying one would disregard the other. Stratergy to sanage confident of interest. 1) Identity and disclose potential conflict of interest. One need to be clear about general or mass benefit or problem due to conflic of interest. 2) Independent grossight and Accountability Establish independent oversight budge or committees or seniors to partitional help in decision making related to confinct in interest so that public trust and will prot 3) be hampered. 3) Assign the task to someone else: 80 that it without hanger process flow or loose of time due to conflict of interest. 4) Use of emotional intelligence (EI), Using EI well help identifying potential conflicts, un derstempt the vish and develope strategy for mitigation of conflict of By adhering to ethical principles and taking measures to identify, disclute, manage Gen: EI to manage conflict of Interest well help upholding good governance standards and ensure corrying out profession olutes. It can help achieving greater good for society and all.

22) A manufacturing company provides jubs in a small town where employment is scarce. The company has a reputation tot taking care of its employees and being a responsible corporate chizen. However, their manufacturing process produces a by- product that flows into the form river, potentially claving illnessess The by product doesnot statede any anti-pollution laws. What are the integrity, ethics and legal issues here? What options does the company have, and what should Ado Corporate estuce: Moral guidelines guiding decision making anal actions within Ex- bonesty and few mess in organisation Corporate integrity! Upholding moral principles promoting a climate of trust and respect. between employees and customers or sucrety. Leger issues! The company may not violate anti-pollution lews, but as it is is directly violating causing illness (Asticle-21)- Right to life, Clean water AsHCA-4RA)-BotecHon and improvement of environment and sefeguarding ferester and wildlife as it may hampening wildlife & environment as well. On tion that Company have Will not act till any legel notice is received. Action - 2 Will instell waste water treatment plant or solve the problem withou informing or a local generiance. (Action-3) Inform locals administration and locals about the problem and take necessary measures to solve it, and make medical help for the affect Action to be taken I would prefer for Action-3 that involves integrity, probity, empathy, and it will be the real civic duty and CSR It will prove the companie commitment towards the sucrety as well. (11) What caused rise of softmovement in India, Discussils spread and expension in the country. 110 Sufts m in India was an Islamic Liberal reform movement that originated in Persia and spread to India in 11th contury. Couses of size in suffi movement in India 1) Increasing distress of orthodox religious machicel 2) Exclusion of women from religious scenario. 3) Dilticulty in dunderstending highly intellectual boeligious books 4) Complexity and tension in intra anol inter religious spheres. Spread and Expansion of sufinmement in India DSILsile hor excers! Sufis organized - Hemselves, each with unique practice and lineage of spiritual leaders. 2) Prominent soft saints or Pix followed by devoted community of disciples. 3) Spiritual Cutance! by guru or ply was exentla for spiritual journey and achieving with God. 4) Khangalus/huspices are the places where place and disciples lived, the spiritual learning 5) Soft music (same), gallwali a devotional and mysticon expression developed. 6) Zivarat or Suff stormes! became pilgrimage where people visited for blessings 7) Midracles were associated with spiritual closeness to (nod especially attributed to piss, The sift movement in Inoles not only left. lesting impact on the spiritual and cultural fabric of Inelia, but also introduced a unique blend of mysticism, music and devotion that connected people with cleeper connection with divine

02) How does Indian philosophy influence contemporary Culture 7 Indian philosophy refers to philosophical development in Indian subcontinent by Handiesm, Budolkism, James m and many more, Impact of Indian Philosophy in Ancient Assirt O Harappan Period: Excavation at Harappa, Mohanju-Daro and several other sites revealed existence of modern civilisation with expert town plenning and engineering shills. The Swastille's ymbol found in Indus valley has fremendous phylosophical and spiritual Significance in contemporary India. @ Wedic Persoof: Rig vede-Rites and situals, Varna system phisosophical concepts, fixe alver are still important part of social and religious part of people today. Bud Whism and Jamen: Engraving, pointing sculptures of the cases depict techings philosophies. Diante cave - life cycles of Budolha Effora cove - 24 jinos have teachings and philosophies for current time as well. @Crupter Pexicol : Architecture and sculptures (Nagera, Weserga; Bravida) Still depicts marvelous epitoms of geometry and symmetry till no. 6) Pallova and Chala ! Temple used aftering place in village for societed communication Their Routhy' style tempte core still organized a as chitectis Of epidens .-Impact of Onorida Philosophy in Modieval Brivell Akban Ding - Hawlor Divine faith trimpro all soligions was a new form of social in that still teaches us reclared molian Philosophy | Revived of social evils (Schidaha), neckonatism, architecture, literature still imposes us. Of brother houd Various traditions, values, belief, place techno of Inolican phylosophy is still a treasure for modern world against the for a) Discuss the vole of transportation accessibility in 127 F 12 (nai: 1 12) Tromposterton occessibility plays an impostent role in regional development. It influences economic growth spatial integration and entures efficient and bulanced regional planning and are sale quality of life outthin Transportation helps in regional development OSpace-time comprossion by Efficient transportation network. @ Diffusion of innovation comes into play by better transport network and communication, 6x Southern Stedes wood their coasted line for hetter tremport and companication and toward aswell. @ Improved socio-eponomic life du mile commedity, forter travel or communication increases a productività people and various sectors for Austra @ Reduces disposity by giving equal processing to all section of suciety may be individual or co-operatives or industry. Ex-Konpur @ Balance in society by better acress to planning, development of whole steglar. En- Rayor Transportation plays a crowd sole in regional development. Schemes like GATI SHAKTI, Bhasatmola, UDAN, Sagarmola, PM social "vojana, are vertous steps in. this disordion rightly.

Q2) Odisha is more prone to cyclones. Explain it What are the primary factors that determin the intensity of cyclones? Stroms coused by wind blowing around the low pressure areas are called cyclones Olet of thisteen counted states Tamil Wedu, Puduelierry, Another a Pradesh, Odlisha, west Renged and agreet are mostly prone to tropical cyclonies. Odlsha is more prone to cyclones (Moroton: Situated on the fest coast of Inday, beside Boy of Bengal a Temperature: RBCy of Bengal being making warmer attrops Easterly subtropic Jetstream (3) long Costline : of 480 hours magnes @Timna : After the monsour de treshwater is delived to system which creates only without for low pressure factors for interest Rotation variability: causes larible low O Sea surface temperators or the volume of warm water availability 3) Motion of one especially the vertical motion vertability in pressure system @ Hemidsty! Availability of humidity in the present comosphere @ Versticed sheet or charge in winds pattern from surface to upper atmosphere. @ [ANino, La Nina also affects internity as mondoon varies. Cyclone a a natival phonomene the rising disturbance causing climate olighe rocks.

(1) The Indian Constitution provides several provisions related to inter-state relations. Commend. 110. PagetNo. Date: / /22 Inter-State relations in India refers to releationships and interactions between the federal units-states and union territories dr India, Provisions in Indian Constitute (02) about Inter-State solution

Pasts: Past XI - Relation with Condex and States Part XIII - Trade, Connerce and Intercourse within the territory of India. (2) AxHoles: Axhole 261! Full boith and expolit shall be given throughout the territory of Implia public acts, records and judicial proceedings of chian and every state, Ashch-262! Adjudication of disputes relating to woders of inter-steade givers or giver valley ATHELE - 263! resolution of disputes by ticle 30/6307! Deals with trade, commerce and intercourse within Inclian territory. Nature of Intex-state relations Opensative: Steete givernments often work togethex for cooperaget on For worder appoints, infrastructure development, regional economic development (i) Collaboration: State genomment collaborate and with contre on mailery with each others of national importance. Ex Décaster, Intermal security, international relations (11) Competitive: Relation within state governments as they compete with each other for various resources Ex Employment, muestment, literacy, healthcare poverty Inter-State relations forster harmonious and beatty grapy among steetes that is needed for unity and they the renowic issul development of nation.

(32) Discuss various types of Interestere redollarity and point out he importance of hor moreous Inter-State Relation. 119. Mer- State relation refers to relationship and interactions between pederal inion cond stelles or union tensitories. Verious types of bater-state relationship Constitutions Providions 263 Article Article brode, iords amoldinates relatingto Goyeletti & Movision Zonal Comell Asson Manipur Silkin Fast, West, North (Commers) Stertutory Seedy : Established by Stertutory Body Betylished by State Reorganisation Act, 1956 North East Council Adjust harmonious Interstete Relationship one ty and Integration: national unity and ensure femalicing of country @ Eronomic development; De and unrestricted transportentian communication trade and bushess will be beneficia 3 Law and croler ! Combatting crimes and terrorism, maintaing peace and safety, internal security needs cooperation. @Dispute resulthan! Resolving various issues between states needs harmonious relation between steetes. Interstente courett was established in 1990 during V.P. Grade government, which 8+111 serves les des importent tool for internet security, cooperation and administration of chates & UTS at Odlsha to Implement MSP for padoly at Ro 3100 per quinted from next Kharlf Seeson, How will "
impact agriculture, eran impact agriculture, economy and fermers of odishall Minimum Support Price (MSP) is a minimum price, discurfaced for a sheaffic crob lovespective of price fructication by the government MSP includes cost of production, demond and Supply, market price trend, inter-crop parity and many other ractors. (CACP) Commiscian for Agricultural costs and Porces recommends MSP for 22 cops (FRP for sugargane) before showing period each year. Recently, Odlisha generoment amounted MSP for paddy to be Rs 3100 per quinted next kharit seeson Impact of MSP or Agriculture, Economy and Foremers of Odish Magiculture! Skewed focus on MSP for Paddy ( sice and wheat profesals to excessive productions demotivating beinness diversity in cultivation. Excenive production of ledd to oversupply and sections other food products. Ex Import of all soods .. @ Fremony: Higher MSP inexecuted associated cost of procurement, storage, disbursal which may cause francial burden on gevernment Fx Increased fixed deficiti 6) Far wers Motivated by increased MSP fer mer may grow only paddy, it will cont scorcity of other food products in market. The moreaged MCP will boost economic condition of fermers preducing socio-economic clispanity MSP is definitely a novel way to reduce socio-e commit disperity and assure found security of mation But it should be used cauthosly harners the benefits of MSP.

02) Write a note on golska government initiative Tage M to empower women in states. le Odisha generoment has lemobed various schones for women 1 Poll Hoof Odisha among birst states to reserve 50. Seat Swim Pen Chayatt Raj (2) Self-help groups In the lest two decades, development of various self-help groups to make women independent phochally En 6 lawy self-telp groups with were than 7 million women under its Hagship programme (Mixton Shauti) Heal Bil'u swastlya Yojana alleteel lays rupees per women per year per as social health security schomes: (4) Recognition Sporter Duter Chand, Srctami Nanda boto bapitas Speaker for Assembly Soma Cold President - Droupadl worm care some of the well thrown recognised personalities of odkha. @ Grance Interest free loans upto 3 laws to cooperatives led by women widely achnotoged political and social development government of oddsha are being example for other states

susteinable energy source of India, page No. India, thirst largest consumer, demand of energy vising 6.5% annually since 2020, 40% energy domand el fulfilled by coal. To neel this growing demand we need to explore nuclear energy: Lirrently, Nuclear energy contributes about 21, derend of electricity, 5th largest source of electricity in India. Vaichalty somen tal @Economic Visiabilit RoteR (1) Cost Adventage! Charpep to operate. Estimate shows, Nuclear plants cost 300-50% of cool plant and 20-25% gas -cycle plant. Muden when (2) Row material! Though coardina is imposted India possess 25% of world's reserve @ Collaboration! west vortors countries possess advanced nuclear technology to help boild done the industrial eersystem. It will reduce cost and in prove technological @ Capchilities. (9) need of industry in MissEy Make in India 'can be Convisonmented Viability OCOSTEEN wuse love & green hours gas enition. Ex705-16-3745 COZ 3) Expidency: Commes lower resures U lover item solar (D) India's kreet to not zero A Circuing Weed of energy demarked can be Dx Net lear power potents, It will fulfilled. envice Suistainably and bright word generation

Q1) Evaluate the viability of Nuclear power as a

dean or

(22) Application and Challenges of done technology.
[Page No.
Date: / 1 /22 ).
Drove à an immanned aestel veliebe remitely
operated, of comes under Dar A, (Missutry of Civil A icho
Intrakver made Atom Wher Rhard Abrigan and
to regulate One Pio 2021'.
Application of Drone technology)
ODefence: Used as strategic weapon for security
and attacks.
Mealth! Delivery of critical medicines to
difficult terrains or immediate
dapoirs.
for Medigine county during count,
B Academilhan 1 a
@ Agriculture! Spraying of insecticides, pertilly
(a) Monthoring & Dapping, real-time suppositioner,
Emigung en.
3/0/10/1/0/1
Olew Enforcement! The and emergence comines
chare human in terror the
not sete.
College lisues
ORISH of Terrords! Security threats band terrords,
John Chical
Theep cost can be hornful! for much by
The Chirch Hurp 1
Butapan of mens destanction! if wed in built
The ment on an in
(4) Regulation: Absence of tothe sigglelation may
42 Control of the Con
Dreme is a boxen onto new technology
- regulation, anti-drong
system should be measures need to he tehen for positive outcome of such a costicol
in included.
fecholog co

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Q1) Examine major tesues concerning public Distablishen sytem in Odlisha. Lie 3 Public Distribution System (PDS) is a food security eystem. Dutribution of food grains and other essential Tems as affordable price and management in emergency situations as well. Issues of PDS in Odishay (1) I dentification of beneficiaries. Lack of accurate data, significantly adds Chast beneficionies or froudulant activities. @Leakages! Reports of modellemen diverting foodgrain by precharing directly from for mens on the name of 'ease of procuremend' sells in open marked as mills as ight prices socess! Distribution & Procurement in process, waitin person before purchase is a major issue 4) Chmatic Condition Delay in monsoon, storage supero lack of rain, heavy spin waller logging monicon, strong weather, stoodheer or strom lurge before reapin issue post reaping and pre Condition copates low income rer 3) procurement as well. (5) Storage copacity of FCT: Insufficient and pour storage feculistes can store less and for less direction respectively. @Quality! Due to shortege of appointe Storage and facility the quality of PDS food grains Varies a lot. 1) Nutsition! Supply of basic Stephe foods such as sice, wheat, sugar limits Nutri Noral security of the region Visible during could remove mic. A lot of improvement is still the tost rengthen food and Social security of Inolia. Q2) Critically examine the performance of public sector in Indian economy. 10 PORE 1 Sector sector understating where the majority Stake (51x), en beld by government (contex/state). Performence of public sectors in Indian Economy @ Number of CPSFs! As of Morch 2021, 389 CPSFs are operational. D financial Performance! Profit of 7 63, 749 cross , 27.5% increase estimated during 2023-24, 3 Contribution to Exchequer! Contribution CrsEs, including excise duty, customs duty, Cist, corporate topo, interest on central Contrant loom, dividend, over duries and doubled, @ Furetom Exchange Transactions benefitted immensel Export- Import has Indian economy (SE) Employment Model for many companies for employment, education, housing, health, technology Indian public sector has been challenges which affects their performance and efficiently. Reforms are needed of their talent and capability ter country's economic-socio development.

Q1) What is susternable agriculture? How organic agriculture differ from "susteinable agriculture"? Can energy crops be grown susternation Sustainable agriculture is a form of agriculture de the need present Swiskingdown fortility need kuture Torgene ferming Envinamena (1) Differ Rin ce beforen Susternable nemwhere culting Leonon BOOKEN STORE STORESTOOR (Sustainable for ming) Employing No synthetic Expense limin Gamene Engl Crop roletion Agrochemical Agriculture Ceternoble Maroin sing Improvement Tow Cust enhancing Practise Practise agrochemice in 610-diversit Sustedmabilit Crops anot which Blowel is produced B GOODS Blogwel CRUP FOUST Second Generation Third Generation + aeneration switch grass Bureal Plent CM (Ryps Eucelyphus Microalgae Crassulaceam Alfelle Reed Cararygess acid medebolism ବାବିକୁ ବିଚାରକୁ ନିଆର୍ପିବ ନାହିଁ । ଆଲର ଦ୍ରଃଖତ ଓ ସହି ମୋହର ହାରା ପ୍ରମାଶିତ । Plants (Cary) Rice Musk, Wood generation biofuels! May cause ground water to the nature of (80 ps, green due depletion food securit emission and wuse gers bioficels: Use of crop ceneration teredstock fuel 9 କ୍ଷ୍ୟାନ କ୍ଷ୍ୟମ ପଶବରନ ହୋଇଥାଏ, ଚଦ୍ରମୁଯାୟୀ ଶୋଣ୍ଡର ଓ କରି କ୍ଷାନ୍ତର କ୍ଷ୍ୟୁକ୍ତ କ୍ଷ୍ୟୁକ୍ତ କ୍ଷ୍ୟୁକ୍ତ କ୍ଷ୍ୟୁକ୍ତ କ୍ଷ୍ୟୁକ୍ତ Heliewing true endi ron men needs climate commitments ano! viable solution Bioguels More fight pollution and sustainable climate Surtainable agriculture can help global sustainable goals 

Q?) What are the marttime security challenges in India? Descuss the organizational, technical, procedural initiatives taken to improve maritime security. 110 India with voist coastline of 7500 will meters and its strategic location in Indian Ocean Region ferces multifaced maritime security challenges Maritime security challenges in Inolia Privacy and Terrorism: Porus maritime boxelers by ferrouses . T Ex 26/11 Mumbal attack, Cult of aden threatming Marihe coast, Immigration problem in polar of west Bengal 2) Illegal Trafficing Surugefring of goods, as nows through sea soutes is a perpectual shouldenge. 3) Despoted Borders: Creopulation fension with Phylystan! Sir Creak, Marshy regrans of hyrest coast Streamer ! katchatheor island with Tamil New Coast 4) Nortural Desasters? Extensive coastline makes it vulnerable to natural almosters like cyclones, trumamis disvastation in Eastern and wide spread Western coastline, Andaman Nicobar, Laushadweep estands. to improve maritime cecurity BIniHatives 1) Organisational: country retwork dike Indian Nary, Coast Guard, Marine Palice for survelliance on Intermation Fucian Centre (IFC) in Indian Ocean Region (IOR) maritime security and information sharing 2) Technical Stallite survelliance by ISO using Rulemin, CASAT-7A (for marine corvelliance) Radar and Automatic Identification System (AIS) 3) Procedured: Regular coastal survillance, moch drills for preparemens Issuance and checking of brometric ID cards figherman to prevent infiltretion & soughting. techle the complex be curity, multifactor approaches are being tellen. It is crucial to continously improve and adapt advanced practices with evolving morthme challenges.