

IAS TOPPER'S TEST COPY

RISHENDRA SINGH

AIR 113 CSE 2023 GEOGRAPHY







Geography Test Series 2023

TEST - 04

GEOGRAPH

Time Allowed: 3 Hrs.

Max. Marks: 250

Instructions to Candidate

- There are FIVE questions. All Questions are compulsory.
- Answers must be written in the medium authorized in the Admission certificate which must be stated clearly on the cover of this Question-cum-Answer (QCA) booklet in the space provided. No marks will be given for answers written in medium other than the authorized
- Word limit in questions, wherever specified, should be adhered to.
- Attempts of questions shall be counted in chronological order. Unless struck off, attempt of a question shall be counted even if attempted partly. Any page or portion of the page left blank in the answer book must be clearly struck off.



Name _	Rishendra	Singh
Mobile No.		
Date		
Signatu	re_ Pishind	ra.

1. Invigilator's Signature _

2. Invigilator's Signature ____

GS SCORE REMARKS D Sir, Please help in delineating the approach in time management. How long one should take the complete 10 markus (2 questions) & for 15 \$
20 markers? what should be our strategy the approach the question paper (nehich to attempt first)

(3 non compulsory compulsory quishous * Please refer AIP class-1 video our * Dean Rishendra, youtube. (Discussed Approach and basic in details). It is a * In exam hall you have yoproximately a min a.

* your lon tent is fine, however, toy work on Assimulation & Reventation. * Try to Avoid Wanting III the but!



Geography Test Series 2023

TEST - 04

GEOGRAPHY

Time Allowed: 3 Hrs. Max. Marks: 250 Write short notes on the following in about 150 words: (a) Discuss the patterns and impacts of rural-urban migration on population distribution and (10 Marks) urbanisation. Discuss the role of globalisation in shaping migration patterns. (10 Marks) Analyse Thomas Malthus' perspective on population growth, resource availability, and the (10 Marks) concept of carrying capacity. Discuss the concept of social well-being and its importance in assessing the quality of life. (10 Marks) (e) Analyse the concept of the "industrial triangle" in Weber's model. (10 Marks) Attempt all the questions: (a) Discuss the concept of population as social capital. Analyse how population, when properly harnessed, can contribute to the social and economic development of a region. (15 Marks) Analyse the concept of dependency ratio and its significance in understanding demographic trends. (15 Marks) (c) Discuss the importance of considering environmental issues in regional planning. Analyse the impacts of human activities on the environment and the role of regional planning in promoting sustainable development. (20 Marks) 3. Attempt all the questions: Analyse the factors influencing population growth at a global scale. (15 Marks) (b) Discuss the role of fertility rates, mortality rates, in shaping population growth trends in different regions of the world. (15 Marks) Discuss the social and cultural implications of migration. Analyse how migration influences cultural diversity, social cohesion, identity formation, and the dynamics of multicultural societies. (20 Marks) Write short notes on the following in about 150 words: (a) Discuss the concept of the threshold population in Christaller's central place theory. (10 Marks) (b) Discuss the concept of system analysis in human geography. (10 Marks)

(c) Discuss the role of integrated planning approaches in promoting sustainable development.

(10 Marks)

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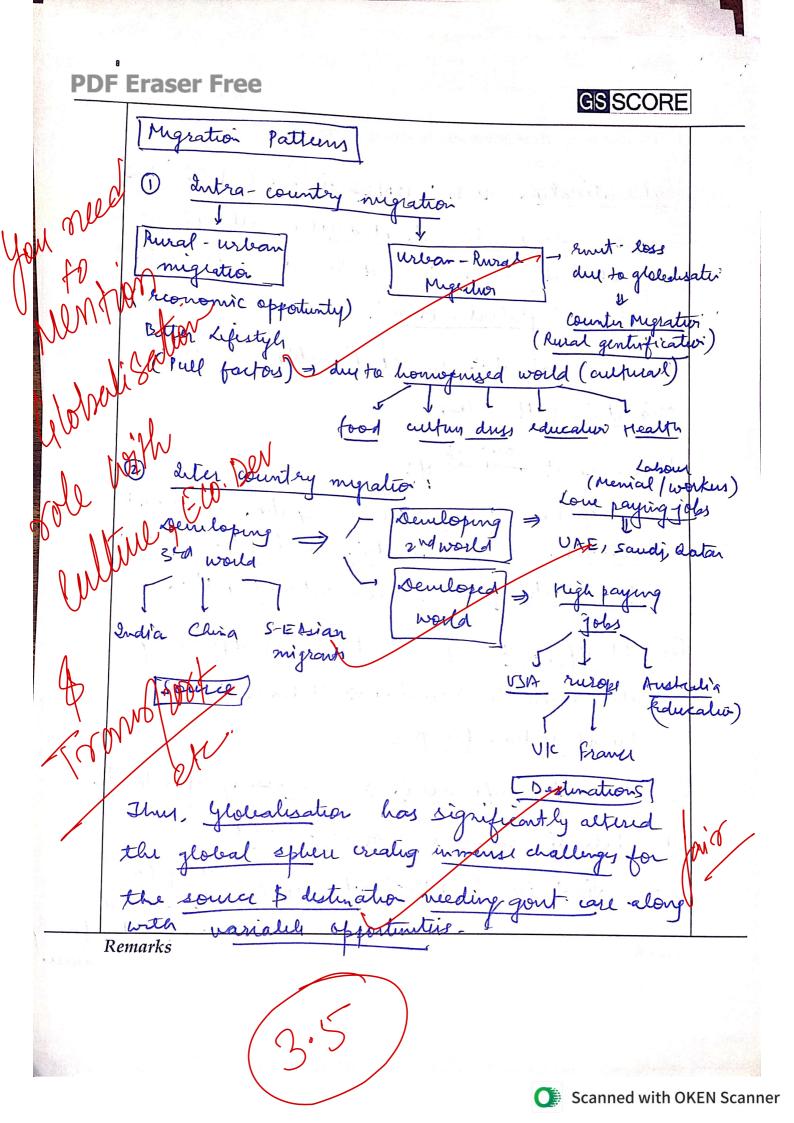
- (d) Discuss the concept of regional imbalances in human geography. (10 Marks)
- (e) Discuss the concept of growth centres and growth poles in human geography. (10 Marks)
- 5. Attempt all the questions:
 - (a) Discuss the relevance and criticisms of the Heartland and Rimland theories in contemporary geopolitics. (15 Marks)
 - Discuss the factors influencing the location of different agricultural activities in Von
 Thünen's model. (15 Marks)
 - Analyse the relevance and applicability of Rostow's model in contemporary development contexts. Discuss how changes in technology, globalisation, and the dynamics of the global economy have influenced the development trajectories of countries. (20 Marks)

1. (a) Discuss the patterns and impacts of rural-urban migration on population distribution and urbanisation. (150 Words) (10) Recent UNFPA suports highlight the global urleanisation level at 56% yetrich is bound tu Lecome 60% by 2030. Asound 4.25% people high wear - Ur hanster wroan areas highlighting population patterns Population Pattern Developed world Developing world 1) Rural to urlean 1) Rural to wream negration dominated by Maly Employment search Manufacturing \$ 2) Fernales remain behe helping in agricultur Urlianisation = 44% Remarks John (UNFP phian

Hotspots: AZU - Argentia S-Asia \$ S-E Asia Estrangly (a) Impact of Rural - Urlean Migration & Urleansahon Gender Equality hampered & Dunloping world rank love in geologyunder gay Index (India-107) dependincy in sural areas Rising follution in Uslan arras (9) Urban Head Domes (3) Constant for Quality below required limit. (CPCB) - MARI (Endis) isolation & neglect Rising crimes_ 57 Urlean administration usus - Welean Floods Sewage treatment House, Landfills Thus, adiquate measures protesting to space on lines of Ideal City . CHelsenici, copenhagon Conclude with challenges F the need of Indqualities Remarks

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1. (b) Discuss the role of globalisation in shaping migration patterns. (150 Words) (10) globealisation as per UNESCOS official definition mans rising intercontendedness in all spheres elle ce Cultural reconomic and social in order tre a "global viltage". Rising globalisation in significantly impacting Migration pattern tou 1) Core of Ravenetiin's law of myration - Economic Leasons => alolestisation leading the economic interconnectively of Rural - Urban Migration tougher's theory of Intervening opportunity also leads to projection & Urlianisation of Case of information > increasing opportunity Role of social change (Kee Model) Joint family > Nuclea family > Looking for Toles in wilean Remarks



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1. (c) Analyse Thomas Malthus' perspective on population growth, resource availability, and the concept of carrying capacity. (150 Words) (10) Postulatis society advances in geometric Malthusian catoctrophe Point of Malthusian 3 Remarks

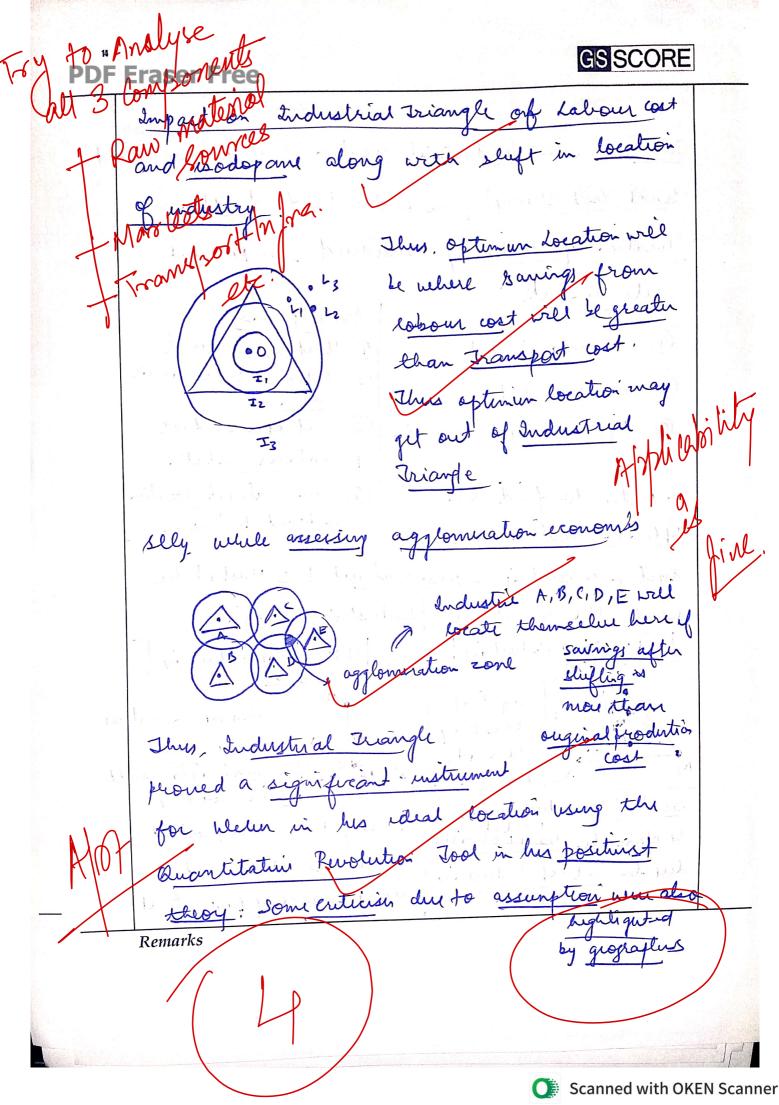
(d) Discuss the concept of social well-being and its importance in assessing the quality of life, (150 Words) (10) Social well being as pointed out by [HDI] of UNDP spiritual indices wa Happeness INSDSNI spiritual aspec rapidary at Buth Social Well Berry purification Role of Sperituality Mean years of Schooling Amatya Sen's Criticias Remarks of Wall - Capabulty expressed - perisos Leveryfruit/

GS SCORE Importance in assising quality of life Human Surliegnent of bustily of Life Human powerty Human neelface Inder and dislopment prospets. These inducators help in assessing in Measuring satisfaction Level Highlights importance of difficult puspections FM() Roll of impact of changing climate reasurement of natural is social well being Thus important of Social hellbeing can be gauged by the quote of relsoob witting - Muble "you see the things ask why they are, I see the things and willy they are not Loise well being Scanned with OKEN Scanner

Remarks

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1. (e) Analyse the concept of the "industrial triangle" in Weber's model. (150 Words) (10) Weller in his industrial location theory (also called Least cost sheavy), in order the find optimum. location of Endustry Considered 3 important determinante Assumptions 1 Unifour demand Transport Cost (b) Labour Cost 3 Isotropic surface C Agglometation Economic (Lahour - statu (5) rave malurals location In order to find the is fined & Known Optimum location in a Eyster consisting 2 parematerial \$ 1 Market he used the concept of Industrial Irrangly. wherear, industries of weight in final product, Industries get located due to bet of Endustries along Source of faw material



(a) Discuss the concept of population as social capital. Analyse how population, when properly harnessed, can contribute to the social and economic development of a (200 Words) (15) region.

The fristatlian ider of Man being a social animal was adiquately discussed and elaborated by K. Putnam in 1993 when he

Wapital was the mutually interdependent supportion role of felous population well seing in society according Putvam

Importance of Social Capital

- feel Human is worth something
- social ladder
- Hilps in difficult situations. (9) (Stalls on goods to water
- emperone the and food for megrant worker ocial construct of an individual

highlighted two types of bonding interacting bodies bodis. ting long chairs This long chain helps in diffusion integration of ideas they periodes the

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2. (b) Analyse the concept of dependency ratio and its significance in understanding demographic trends. Dependency tatue can be defined as the rative sum of non-working age jopulation to the little sorbing population of a country Children < 15 years of age Adult (Senior Citizens) of niste than (5 years of age Thur, Dependency = Children (<15) + Adults (>65) Dependency Ratio securals ! State of Burden on the working age group the support non-working, dependent Role of Family planning measures are also

GS SCORE **PDF Eraser Free** 3) State of pealthcare in the economy By population of reducy Economic development & stage of fostor's growth High dependency = Pre-condition to take of Low dependency griftcares in undustanding Demographer Demloped country: mant reconomic significance Stagnary is obscured in GDP gr eig- Repulation promoter is constant and high level of elduly (High Depending Kalia) invistible purposes is low Remarks

China conomic significare right part of Demographic Dividud goss in Role of Economic involment of relderly is Mahorate World must learn from India's incitiation of onomising elderly through "SILVE & REVOLUTION" initiation in order to massain human ethical valley Remarks

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(c) Discuss the importance of considering environmental issues in regional planning Analyse the impacts of human activities on the environment and the role of regional (250 Words) (20) planning in promoting sustainable development. evenly distributed causes invironment issues in regional planning hising AQI in cities to untolspalely limits (Cas chamler effect) Urlean flead Dome - causing heatwares Urlean Floods (Munbai, Delli Noise tollution - meriasing NCD'S (d) Mining in backward (2) Please of Some gave Soil crumbell & Landslides sutrophication Due to reaching

Unsustaniable unplanted Agricultura: @ deforestration - degrading Carbon Scile (b) Surface Run off - rutroplacation - Mgal Bloom @ aroundwater depletion 1 Salinization of Land duressing patches of Barren land (fermament fallow) Seeing so many iscur med is feet to meory. in environmental issues - orate regional planning Some examples of Regional planed mitatuis er a same scale are: 1 Urban Seawage Treatment Plant - Khanti purung 7 Reused (Blogal) => Biocapping Seawage & Jolia => Biosparguy Keachata Urban city initiation of Artadag (Smart ody) Remarks

GSSCORE Creat Parfic gerbage ronment restoration via regional Role of regional planning in sustaniable Deulopunt Sustamalile development as que Brundsland the judicious use of resources today that our future generation's needs are in future. Regional planning forces component of sustainable

1 Creating a holistic regional plan for environmental ristoration () Khanta Furnia of Blogal Model Melps Bhopal & Indon to be pupitually ranked I in swach Surveloshan). udicious use by assirsing need (3) Intraction of Coal haulted (ruropean Mine) every individual is adequately highlighted De Individual cooperation is also promoted by PPP models Thus figional planning is very necessary to elimenate the human caused disruption the the environment. To stop breaching the 1.5°C the globe must love together \$ In Milemarks address: the issue holistically Lustainatr Jen Johnent Scanned with OKEN Scanner

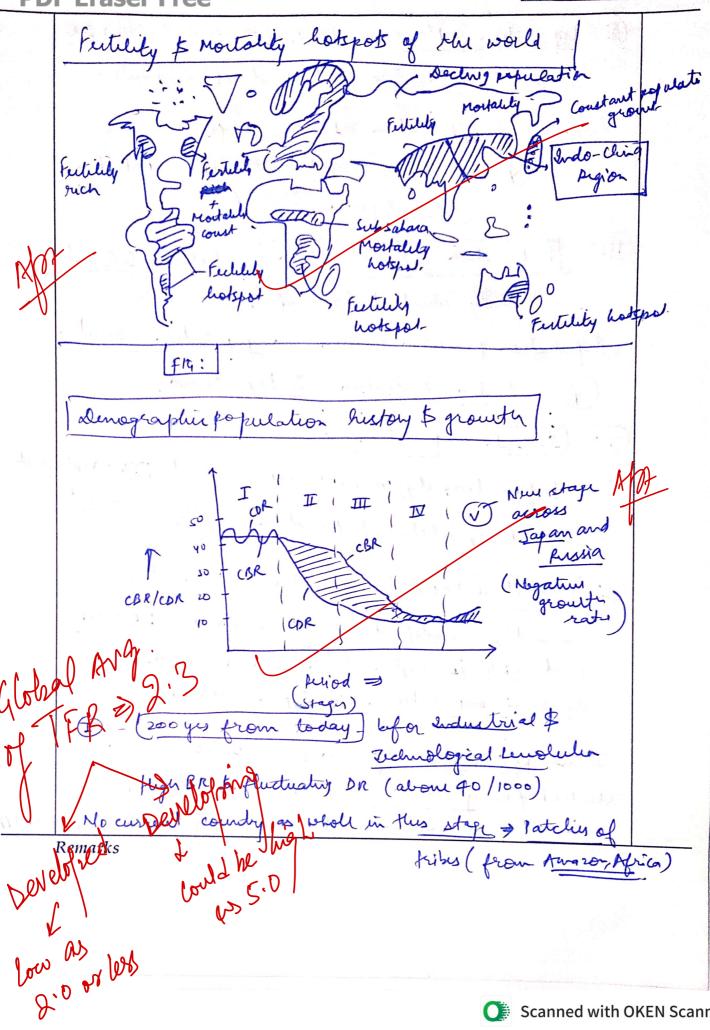
GSSCORE Analyse the factors influencing population growth at a global scale (200 Words) (15) won growth theories by various highlight the reason of population turning population ground leading the pounty & wicrous eyell Thomas Michael Sadler > highlighted the population density of a place promote related it to befores in region & West Beyd thesis and Thomas Doublesday Expunt. die Ciraly Remarks

GSSCORE PDF Eraser Free (3) Herbert Spincer => Population growth is portroll by nature which imports human invalue Arsene Dumont or Social Capilarity is a repos (5) France. As people more up the ladder (one to democracy of no olustach), their responsible increases leading to decreased pitalist system Elohomil G Derulopeding (marnism) various factors influence populate

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Rising natural mortality and Infant nortality CONID-19 (UNFPA) bias towards son (Son-meta preference) of memployment & powerty by of more bands at work. Nations (Tamzapija) 7 Soual espectations Although, the global pop- growth of so developed F developing nations are antagonistic get the global population sate reached 8 bn in 2022 Nova Contribution of Demloping would remains 817. \$ Developed world is 1971. UNFRA preducts by 2050) developing world would course not reduction, although the 50% global population occur from 8 countries > Zarrania, Nigeria Mindian Pak, Phillipines. Thus eeds to be taken to stables lacement live

(b) Discuss the role of fertility rates mortality rates, in shaping population growth trends in different regions of the world. SERD) and mortally (CDR) was sighted Sport Will thoryon & Motesten as an important c in 1945 while developing their The transition model Spaplin transition in different regions has 2600 Mone BR & DR when the society advans
We will have the society advans being Exitisate, Rural and agriculturally defendent towards Libeate, Urlean and secondary & tertiary sector led growth. Current trances in different Regions COR Life Expectancy CBR MMR IMR Demloped 15/1000 12/1000 79 yrs 30/11akl 42/11akl 72/14ch 89/18ach 60/1000 33/1008 UNFDA - State of world Population Remarks



PDF Eraser Free (II) (Topulation Explosion - High BR and falling DR du tel testifological & medical revolution femlosed national this stage regist, retiropia, Matistan frience, Baylach Habitiation Falling BR and uly constant fall of DR growth occurs wa jogulation momentus Mig India Indonesia Jarpey china saly population. Population dynamics have reached TFR=Reptien Relatively stable population growth. D'Megatrus population grouper !- New stage recently modified by UN. There CBR =-ne COR is higher than COR & Leads to clining population. - Japan Russia nes population dynamics reeds to be adequately of a nation as seen studied for growth prospects Remarks Some growth rate suci 1995 confextual hoen Modifie Scanned with OKEN Scanner

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(c) Discuss the social and cultural implications of migration. Analyse how migration influences cultural diversity, social cohesion, identity formation, and the dynamics (250 Words) (20) of multicultural societies.

tighation is that part of Mobility veluch is permanent and involves significant shift in demographer attributes of a nature

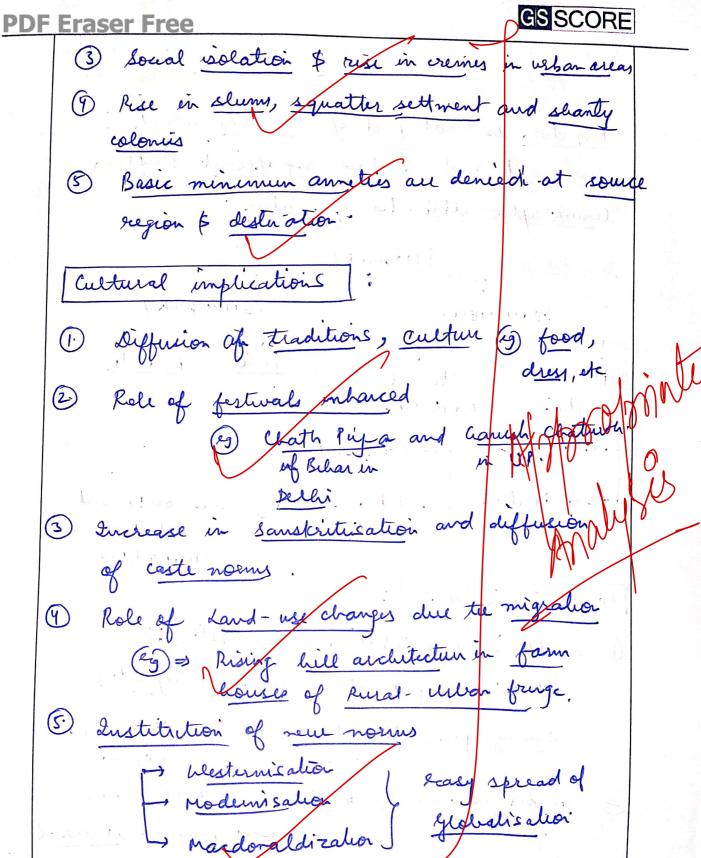
MOBILITY TEMPORARY PERMANENT - de migration Inter-state?

MUGK ATION

Social implications

1) sluft in quantitative characterities 3) Working age population, total Firtility Rate, Demographic attributes, senfatur, Populatur

Gender inequality > Females establed for increased pressur at rural



PDF Fraser Free Influency on Cultural Divusity Cultural homogenisation > "thean cultur" Cosmopolitan character tre Rural cultur distination of migrands guergerer of New culture (3) (American America is a land of food & ores get diffused & globalised Eureasing festival diffusion (3) Christmas celebrated encyulur fluencing Scial Cohesion rugation billding Social Capitas & Coheron Encreased friendlines du tre same workplace Laste & Soc Kiral-1-Barriers of caste & Social mils are Lardly cerestion family of village authin of females du to outmigration of walu) of females duy to lemarks

rugration - Identity formation () class identities getting formed. Neve divide of Mich & Poor (Increasing Inequality) \$5% pop => 85% wealth (onfam) Missing of cultures of Nove identity created. Perpetuating Iribal "Sama Dhaema" in cities soluting Bordens of (my rost & West Curmany (one Curman Edently) (29) North-South Vietnam (one Vilitramese identity) has significantly altered the "Salad Boul" | pl " theory of rusope toa a "Melling Pot" constrigit of India for the intin globy. Assessing en Environmental & Social tensions if catired 10 with a strong hand, will create an ideal gardhian multicultural world, charry due de reales Remarks hoog by might

Could

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4. (a) Discuss the concept of the threshold population in Christaller's central place theory. (150 Words) (10)

Christalfer in his central place theory, welle Bararia, girmany trud the explain ant of crictional assaugement of

His central place consisted 5 rested herranchies based on 2 importan principles.

Ksumptions, 1: Rational & Reonamic Man 2. Hesagonal complementary 3. Heirardial arrangem

Principle of

Principle of Herrarch

His one of the concepts

turum an ordered service

Levels of Herrarchy (0) 1. Metro / Major Coly (0) 2 city (x) 3. Journ (0) 4. Hay Mulage Hamlet

and spon:

4. (b) Discuss the concept of system analysis in human geography. (150 Words) (10) system is an ordered, closed/open interrelated containing various natural elements between systems of each system A classe example = Earth's system houth Open system Interelation ship with istand enchange believer various systems an each other's component which constantly interact with each offen Berry

GS SCORE

Enception being : re-radiated back to the almospher. Asteroids / Meteonter added to the system (ry) s water lycle influencing (All System. System. soil eyele (Biogrochemical Who portance / Legislians of system analysis Kelevant Offeles in futur predictions applelier typical components of Eysterns. AMPlays important role in academic studies Olitique of systematic study O Egnores normative methods 1 Unipredict ability of lunaus ignored @ Role of predictions based on specific occuracy of assemptions Systems analysis forms a core component of Hum for Quantitatui grogra with minder

GS SCORE

Disigning purposeful institutions cattring judicious use of recourses International Sealed Authorly (29) UNCLOS = (Marin Pesousen) Budgeting: Outcome based divelopment targets: rd regional planning - to pan out regional growth imbalances Agional synthesis approach holistic AND EF Heldeal Climate change Index refers the ricing threat perception too human dominated regions which needs to be torbled by sustainable development usung region based Indian CDRI. (Deserter Resilient infre) Remarks

4. (d) Discuss the concept of regional imbalances in human geography. (150 Words) (10) Kignoral imbalances occur due the unjustified menen distribution and nox-judicious anailable resources leading the segional Reasons of Regional Imbalances Unequal resource distribuilion Irchnological Backwardness (2) Demloping & west demloping natur Political enclusion leading the regional resource utilisation clopners of growth lackadised a kes need the be reconsed out theory of Juroun (1955): , Kostow's Model

GS SCORE Development of propulsive industries 2) growth centre of Boudaville - using ahalysis 3) growth foci of 1.5 misling the develop a nested patter of heirarchy prystuating a trickle down interest. (men) 4) rutoring Vidal De La Black's concept of "IBAYS" as in divilopment model of France Reli of social empourment in region according to the needs - (g rducation & Health Sighting Zimmermon's principle of Recourses is a function of technology (resources are are not, elley become"), it is the behnological devalopment which the country chould focus te pan out regional imbalances by judicious resource utilisation Remarks

4. (e) Discuss the concept of growth centres and growth poles in human geography. (150 Words) (10) 20th century world was married with Regional imbalances du te uneven tuckling down of growth potential of Industrial Revolution & Technological depulopment, It was in this concept & background that growth pole & growth Centre sheary developed. growth growth pole centre Proposed by: Perrous in Boudiville in 1966 A mental construct of An actual implementation Whome the growth should of ideals of growth point on ground growth point thing: Based on the principles of tropulane industries and its charactureties: D- It create forward & Backward linkages Fron & wal propulsive forward Boelward Endustry himpage Mang

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5. (a) Discuss the relevance and criticisms of the Heartland and Rimland theories in (200 Words) (15) contemporary geopolitics. Heartland theory by Kalford J. Mackinder & Rinland theory by Micholas Spykman were before the WW-II but still ties in the present work Heartland Theory: In 1904, acographic Rivot fustory", mackinder paraded the important Avolo of "Pivot area" in controlling the world Island His Diction adequately explant the entire theory" He who rules the boart Island, will rule the world Island. - Outy Crescent He who rules the world Estant sulis the world". Bresent Day Pelevanel the modified theory of 1943 - Midland Basin adequately

GS SCORE Midland Basin = M. America
(USA) + Europe world - represented by USA, is one pour sloc surrently => (the Midland) the other Bloc of is represented by a WW-I B Cold war rivaluis ended up wkrame I demanded by Justia our rastun (Russia - Ukrain var) ture bloss are still created but reordered by rising influence of Mor alligned world. Thus his theatland is partially correct & sightly imphasises the role of controlling Central Asia as well (by Russia, EV & China) 1919 as the Rimand Hafford's dumer Conseent of Carriage * Rim and



Rinland currently corretatives - so blesten rupos Asia Minor, S-Asia, S-E Aria & Chia Thus, it has both landpower and seapolie significantly slufting from fortress model of Mackinder's Heartland \ > Pelevare) full of chia in global scuario is A your Menplained in his people by. Children control the schiasea" will control they would Island ! I have the : 45 /200 Hoseign policy of surrounding processing y Tripple is ring of islands is motivated by this theory, * Creation of CENTO, SENTO, now NATO too find its relumes for suleduing the role of rising solidarity of SE & S Asian powers Telus, it is the Rimland Theory which I's more refugit in todays world as pour agramics have significantly charged of the states are no loyer Lebenzaraun _ a living

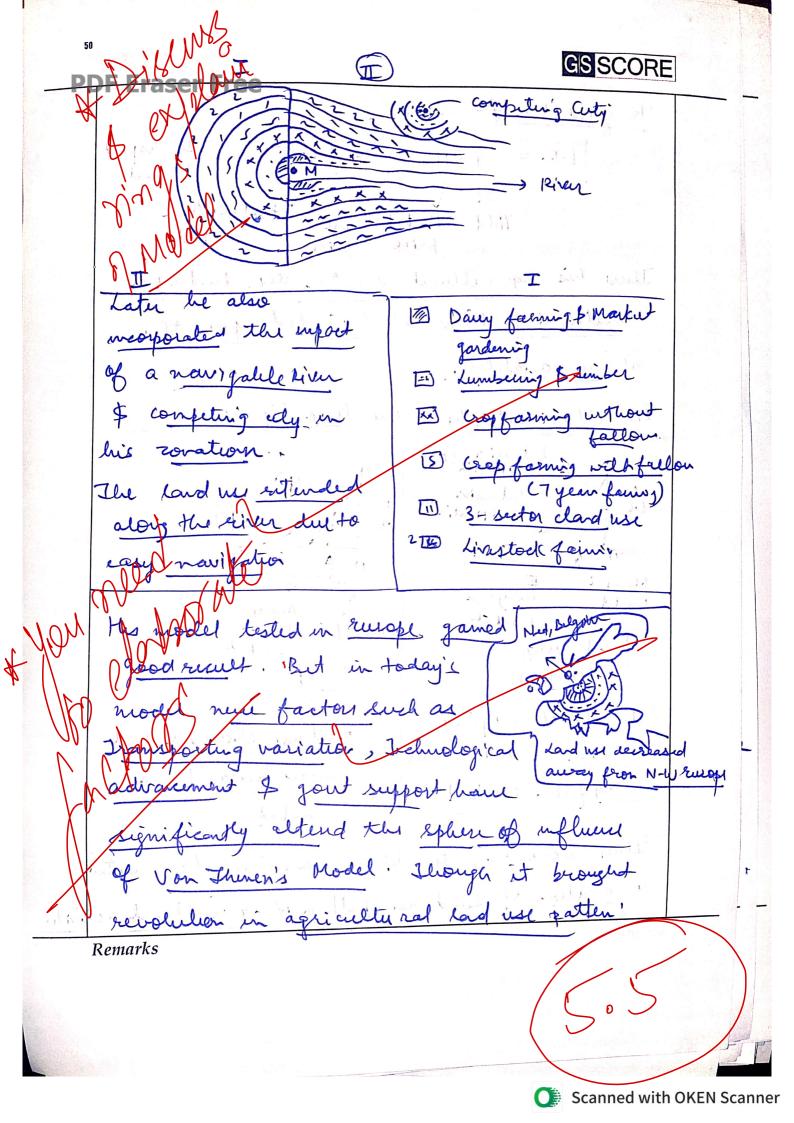
AMME

PDF Eraser Free (b) Discuss the factors influencing the location of different agricultural activities in Von (200 Words) (15) Thünen's model. Von Thunen'. in his work the "Isolated State" stired the determine vely & hour the land use of pattern of agriculture varies with charging Ildistance from market. In order tu determine the factors, he kept certain assumption in his theories in Rational reononing man Isotropic Sinface Isolated state (market) Transport conveye at the market which is unique Transport Cost & Distance What fundamental basis was "Economic Rent" neluch was the ret profit accrued to con (tc) the land use at our and above the monominuse pargued profitability (No Rent & & C , Land at No Kent dist from worked on the distance from the narket, .. he named at (socations Remarks

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He gave the formula: Y (M-C) Distarel from Yilld Thus his agricultural Cocation dependent upon pent which depen aboue variables To illusidate be drew two figures Entensiva (I) LIR Intensive (II) LR May F away from Meury Intensity Theory Thiory tensity of croppin mon away & amay from Market market variables, according to their a rowation of Land use pattern of agricultural activities

Remarks



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5. (c) Analyse the relevance and applicability of Rostow's model in contemporary development contexts. Discuss how changes in technology, globalisation, and the dynamics of the global economy have influenced the development trajectories of countries. (250 Words) (20)

Rostore's growth model was based on the

High Mass to take of6 Regiod -

Societial resolution

raditional society & outly = Tradutional & Love Je

Remarks

GS SCORE PDF Eraser Free villages of India are a escamply of this stage this color little of Iribal areas (PV TG's) and A Well (II) a Pall Condition for Take off Well I take shelt: eth of Hote sheft in criticia determiny growth,

National Irrow 2 Important (57.) Both agricultur & Industrial take off may occur Role of a push factor required (Colonial Kelevance: o) No country strictly follows this stage ~ Colonial stages in 1900's were quat causation of this stage India, Vietnam, China Take off! Crowth occurs for the low puriod. Enderds for short period

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- (9) Inviolment > 104. of NI
- De There must socia, recommic & Political structure the exploit the conductor
- O New Leading Sector energe.

Currently energing sconomers of

Ching, Endia, SIA and egypt com

but categorised here

Smast mot figures although an arbitrary but reflect true fecture.

Tong puid of sustained growth

New technologues & leading seter takes

our

Pol of o workforce shops O structure movints

> O Society needs new motivation as they are bored by notions of Endustrial Privaletin

o entreprimenship character chages tow = matern & repersenced

Remarks A

GIS SCORE tage of pigh was consingled sector takis our & industria Jadgets & technology take No country is accreately conforming to I one structure of his stages There sust a mix Meuscaland, Omnando octor's growth model is only re se purpose & it is an outdated model this may be fully utilized by developing nations of Sprice to peropel growth & meelbeing

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