

IAS TOPPER'S TEST COPY

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AIR 95 CSE 2023

PHYSICAL GEOGRAPHY



Pile co K/ - 01 1 1235 SRISHTI MISHRA thysical Geography 1-07-32 828 55 वमीतवारी को IN OTHER : CE BARRIER and the second Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis. (Specimen Answer Bocklet - For Practice Purpose Only) 01-Geomagnetic Storms are almospheric phenomenon that occur due to protability in the coutri could 59 meignetic field better Occurrence and Suni Lole Interaction with magnetic Trield Sunspote sun Earth bead to cohniced gromen anelysis ver wine of 5/w Geomegnetic discursion & well 76es inte -> organize content La magnetie build Terringe apper a comit p A Swamize D. vraler. nerdlig. Tt involves the presmation of aurora borealis aurora apphalis in polar È colours created due to regions ~ meraction of various gases in the armosphile with suits planes: () sterm are combrid to the enter atmosphere but have strong effect on upe on Earth.

PSC ली विवयप्रभा 1000 Marm 20 comminication structures like 1000 mil satellite connections Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis. (Specimen Answer Booklet - For Practice Purpose Only) 10 word es; call services can be abbected enpresente to internet can an and grade - internet can Messateligen to internet services placed in Aug quele - meven connection. orboit deflictes atmosphere. 10 contribut can be Done? @ since gromaguetienstoms fig occur at the level of East-Sun interaction, not mich can bedone. @ Additionally, geomognetic stome take place very ingrequently, callong harm jos a short true period. Thus, their occurrence is not entirely preventable buit impacts can be trame without much out to like on Earth G Past & storm wat G Past G slack out in c Quebic in cand also menter suffered in 1989

रावारी को इस हालिए व नार्थे दिननाना च्यतिस Candida must not write on this margin Answer Questions In NOT MORE THAN live Word Linuit specified for each in the Paranthesis. (Specimen Answer Booklet - For Practice Purpose Only) subduction repert to the process in which one object is "suched" ynder another die to Q2. various porces. This is seen in the pacific valid King of fire Eatro PACIFIC RING OF FIRE MAMIN North 5 Ana North Pacific South work Ministratia > process of subduction This occurs when a convergent plates meet each other and the heavier (more dense) place is submerged under the less dense one. () In the Pacific Ring of File, the Eucasian, worth American & Austrahan plates are moving towards the North Pauloie Oceanic plate Page

PSC Answer Questions In NOT MORE THAN (Specimen Answer Booklet - For Practice Purpose (@ since the oceanic plate (made of silicon and Mangenese) is denses than continental plate (silicon, Alumin), the Paintie plate is pushed under the contractal plates. carthquakes and @ This subduction courses voleances :convergent Plate Bondary Continetal Plate 2500 occame plate hantle: convection currents, pressure & temperature break down the contents of subducted occurrentale. The heat from the core powers and the fiction from interacting plate bandaries causes magne to rise at these regions, resulting in volcances Hence the name king fire" tion ret cartiquates are caused due to tension weding acated by plates reabing together indonetion Geobaronds These tremeins also cause ternagis + Earth 2 valce in oceans and near islands , I serve this region becomes have to activities geo-hazards due to subduct the activities Page

उम्मीदवारों : UPSC इस हाशिए नहीं लिखना चाहिए Candidate must not write on ti Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis. (Specimen Answer Booklet - For Practice Purpose Only) margin The Ring of the is one of various examples of place tectorics and a reminder that all occurrences have underlying reasons and per-reacting consequences. 6.5 1 15

भी लिखना वाहित Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis. (Specimen Answer Booklet - For Practice Purpose Only) \$3 Climate decides temperature and rainfall 225 a region and (thus) the landform 10 avoid concluding form development of that place Role of Climate in Desert Landyoms into @ High temperatures cause expeliation of rocks (due to large diusnal range of -umperature) O Sparse rain leads te Bornahon of oasis m deserts. @ wind action leads to Bosmation of mushroom rocks, sand dures, burchans, etc and more storice nears the gound. 2 good Rece of climate in Ocean handform O creation of caves, pilters, stimps due to waves created by wind action. Erosion of rock Page

UPSC each in the Parenthesis. Answer Questions in NOT MORE THAN the Word Limit specified for Cash (Specifier Answer Booklet - For Practice Purpose Only) Occashion of beaches due tedoposition of rocks sut on ocean - land boundaries through wave action ~ guilded by atmospheric wind Climade & Glacial Landform O expansion/breakeige of rocks due to alternate heating/cooling or preeizing of water in cracks. also mentainer regions 7 also mentainer regions 150 mentom mountainer regions process of eg: Atps, timalayou weather cumate and Toops'cal handbern O The cover is great due to precipitation and adequate sunlight in the equational and tropical regions. Inselving (monadgock) formation due to rainfall (erosion or soft rock). O Rivers (sourced from raviball) whice there in turn creace various lanelberns to the wind eg: v-shaped valleys, tributain, mediaters of deltars.

SC mineality, and 1)P इस व्यक्तिय य net teanson mign, Candidates must not Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis. (Specimen Answer Booklet - For Practice Purpose Only) write on this margin Thus climate of a region depines brometype as it is the major pactor that lemelperms of the thus largely appeds région .: some omer facens 4 Biological Achviky etc. ļ

PSC Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis. (Specimen Answer Booklet - For Practice Purpose Only) The ocean ploter is not a peatureless 34. Cretant, it is in fact home to many relieb resulting from plate tectomic heatures could be thinky. major Relief Features of Ocean Floor muleu ofrier- accamic Riages realize mention about ocean relief of es: mid attautic Riage mention act, cine brief 7 continental 30.07. cont-slope Rise cont-Drivergent nove of SBal Partier Prais 1 older le: Convection currents Enplain Deep orbiguna Trend trendres legent plate boundaries Subdue Zone Irench (deep son) Page

वहीं गिलावना आहिता Candidata Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis (Specimen Answer Booklet - For Practice Purpose Only) nite on the repute, guyots Sea 3 Guyot Sea ieres wave etron Volcamic eroded -formatio i Lea mont (reotspors -> Island khains like Hawaii) Constal Trenches due to river-individ (4) 10 re Liscustion eronon nguind about Ries action plage ocean selicit Oceanic plate J pressue Trench created by 3 relief can control rever metron of water & Roles of Ocean Relief mentwearee O beabitat pa variais organ fornationaligation of okennic plate @ source ce % precious metals (ignegistu rocks energing for mouth O en sonce of prothermal energy 0 Page

UPSC स हाशि रही दिनग वाहित Canrie Answer Questions in NOT MORE THAN the Word Unit specified for each in the Parenthesis. (Specknen Answer Booklet - For Practice Purpose Only) must n Write margin @ Recycling of places in deep sea trenches. O Evidence for contractal dougt theory () Ares Dexploration ofor baituprietie studies Thus, the ocean blow is not deroid of relief peatrics. It is the centre of "platepseduction" and the powerhar of "platepseduction" and the powerhar that drives contrinental dript.

UPSC Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis (Specimen Answer Booklet - For Practice Purpose Only) Reservoir Induced seismenty efers 85 to the greater mot of earthquakes due to the cheation of a reservoir I due to carpoundment of water (dam) How it workschirf a dam An area is filled with great quantita og vogtes to seere as a reservoir where earlier there was D sudden excessive pressure on land creates pension on inderlying thank Felwas pounds plate. As a result plates can shipt suddenly, resulting in tremosis in the form of everthopakes. teostary 33 the Region O class are milially at continuin in a place home to gradual growths and gradular transformation (internation, etc). Page

UPSC r each in the Parenthesis. Answer Questions in NOT MORE THAN the Word Limit specified for each (Specimen Answer Booklet - For Practice Purpose Only) O sudden mundation with water futs a large amount of pressure on the plates in a very short time period. can realize the equilibrian is broken and plates enngnakes I menne and retain isostasy. enngnakes I menne and retain isostasy. greater wegehomes Agaist R-I-S :-at rescubios at helding bardenepul data collection, legging isom ungen Bardenepul data collection, legging biographic region before inindation through giospatial technology through giospatial technology through giospatial technology through giospatial technology the avoiding seismically active gones kaupa for creation of dams 3 miligation & Adaptation methods wal in case of earth quake eg: evacuation of human settlenadely sid Denicro but a settler and the means of the settler and the means of the total for the settler of the settle of the settler of the settler of the settler of the settle of the settler of the settle of the set 7 staling of tothall dams) 7 staling for tothall dams) 7 staling for tothall dams) 9 s

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PSC Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis. (Specimen Answer Booklet - For Practice Purpose Only) define for Attraction of sure and and starter Volcenber mid oceanic Ridge/Hetspot Regions to submarine The employed it seeme aust Ma - outrie crut. .T.T ader for my one on the sea bevor that has 8500 and opening where to be nogene ises 12600 and be some of surburne volcans. mantle under sales mention need pacific, teawail, de moasters Caused Bry Submanie Manes The the crust is things near the ocen floor, the magina released can be very strong in quartity creating areas of intense undervater heat. (2) some of carthquake where tremois are released.

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PSC रय दाशिय में STARY P नहीं लिगा ग वाहिम् Candidates must not write on this Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis (Specimen Answer Booklet - For Practice Purpose Only) nions mars movements are results of gravity Q7 phich involve the slow of past morenet Decent in of large bodies of the Earth. They do not come und er esosion but weathering car gid their orceance. Perfaling debris in therborn of Roch & price of land black and the Types of Mars Movenut > 100 force of gravity. 3 morablow / Earthfrow the quick Sturmevement of the sail when imped in some water (water queckens 8 dounsard morenest of soil) 3 Satiliferetion - gradual movemen of earth over a slope . Also called sail creep. Gradual

PSC Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis. (Specimen Answer Booklet - For Practice Purpose Only) Factors Responsible for anger of mass morenute () Natural Factors :a) Gravitational Jonce creatura deumand pull on objects on Earth. 6) water loosens frogneak sail/ earth making it easier ste plans under pull of granty. c) hack of tree care / vegetation creatres core canth, inbrided merel by the roots of plants / trees per points seasily mared. Height of tythe roots of plants/ trees of slopes of easily marced. graded) water, wind, other forms of routs weathing (chemical, bistopical Seepage physical, mechanical, bidlyic Seepage the providence of speed of 7: Natural the proces of mass moreits. 3 Anthropogenic Factore 5a) Inprastacti creation ez: Road expansion in temalogyon region influences avalque. frequency

UPSC Answer Questions in NOT MORE TH I Limit specified for each in the Parenthes (Specimen Answer Booklet - For Practice Purpose Only) umonstandele agricultures practifis make soil loose, susphible to moremut. () Unbanization and population reasing and tides end and the use of terrace bains teenegies control use of terrace bains teenegies to heduce closion in nontains. evaluated use of the catch eebils, sometics sustandore Codependence con belp engle the sabety and propegation of enmons and the environment both.

UPSC r each in the Parenthesis. From valcamic origins. They are majorly B Relevand 2 kinds: those that solidity magner il Extrusive suplain que soldified the Rocks Rocks vormale counsupace @ cost stonly @ Coal quickly @ Comailler a @ gracisto are larges langes chinks of-@ porous rocks rock (molted together) wenting y pes @ feiver pores eg: pumice ez: granite @ gas molecules of Interester. the bocks: O gas moleu escape. Simlarly, volcanoes are also associated with various landforms both inderneath the surface and above its depending on shape that my cooling period, etc.

अमीर करते वने रम स्रतित्व म रही सिम्प्राभा गरीहेर Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis, (Specimen Answer Booklet - For Practice Purpose Only) Candidan must not rite on the under Greind Volcame Lanaberns vertically orsanged 4000 creating of maging dyke Lopolith (Bathorith) sources 811) > homontally you magma cooling a complete mantle. -Toy to deverog prite only covered inter only covered (steep propes) the aliagoan 190 Shier mand Vieleamichandfeen shield whances composite volcempes Pary attention (not so steep) openings of volcances that calderas (3) blow up in case of viscous lawa. con create bertile plain areas in their parts lang Ð CO reis res DID Paga

उपगीव UPSC व्य छ नहीं हि चाहि Can mus Answer Questions In NOT MORE THAN the Word Limit specified for each in the Parenthesis. write Spesiman Answer Booklet - For Practice Purpose Only) mar Thus, igneous roch's are primary rocks that act as the poment rock of the bar rock cycle, acting as recycless of sediminizing and metamophic rocks 4.5

e Word Limit specified for each in the Parenthesis. - For Practice Purpose Only) Albedo pero do dhe Nali ens capacity of Earth's broophere . ds in the 11 ma body or serface Albedo E Heat Budget reflect simlight ! a) white simhays rention albedo, Jenow, month Heat is not absorbed by the fachal 1.0 ps caro it would have substantiation waregel case of darker enclace). ited back into 0.0 3 reat is reple nd golf vere supported and equit heat ene 184 to gloot through abedo. laced in earn ang ile law restituerer the deposition Ihere. wile quilibri dergoes equation Page

UPSC Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis. (Spesimen Answer Booklet - For Practice Purpose Only) BLACK CANDON Deportion & Albedo Sunlight is alroaded by the Stack lit particles of Mack carbon. O This enhances beat retention in polar ice caps region. 3 Albedo is reduced. This has the folloing results :-O Greater heat is retained leading to disbalance in Earth's heat budget @ Global warming due to higher temperative as a result of reduced Albedo O melting of glacies is speeded up, of causing heavy flow in revels good (bloods, etc. O Climate Change as weather phononen ave appected by changes in pressure and temperature. Thus, black carbon harms the entrie exangetari of the Easth despite being a short-lined pollutant.

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ified for each in the Parenthesis. Answer Questions in NOT MORE THAN the Word Limit specified for each (Specified Answer Booldet - For Practice Purpose Only) mate mare The Greater maldive Ridge is a region in the fillendian Ocean with peature similar to mid oceanic Rages like mid Atlanhe Ridge Entorna eating that proved evidence for the develop of the Indian Ocean Bain Location of GMR ASIA good but INDIA Africa ASRILANKA Smell size INDIAN OCEAN Australi autunini Greate maleli Rielije Evidence frien Grik :-Bagma explusion from martie of the a ver poor orealed

UPSC Answer Questions in NOT MORE THAN the Word Limit sneplified for each in the Parentheate (Specimen Answer Booklet - For Practice Purpose Only) @ magnetic Artercations are while symmetrically on both sites of the ridge, shoring expansion. matching boors 100 5 7 000 000 Need forthis replects due paring of time and discussion findes in contribution of the man Sontre voles in cartli history GMK (3 this ridge allowed for the formation of occar majories Islands which are a biological matter participat and grownice for ancient GMRA conceptionagy studies where there are enderic species tont match isite indian mailand ones, replecting contrietal doubt and the evolutionary effects of geographicat Os dation. Thus, the malders Bydge, like the the conce of plate others, represents formation and Acctomic shibts. Page

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