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GENERAL STUDIES (TEST CODE: 763)

Name of Candidate Annol Jain

Medium Eng./Hindi English Registration Number 22534

Center Bhopal Date 18/11/16

INDEX TABLE		
Q. No.	Maximum Marks	Marks Obtained
1	12.5	
2	12.5	
3	12.5	
4	12.5	
5	12.5	
6	12.5	
7	12.5	
8	12.5	
9	12.5	
10	12.5	
11	12.5	
12	12.5	
13	12.5	
14	12.5	
15	12.5	
16	12.5	
17	12.5	
18	12.5	
19	12.5	
20	12.5	

INSTRUCTIONS

- Do furnish the appropriate details in the answer sheet (viz. Name, Registration Number and Test Code). उत्तर पुस्तिका में सूचनाएं भरना आवश्यक है (नाम, प्रश्न-पत्र कोड. विद्यार्थी कमांक आदि)।
- There are TWENTY questions printed in ENGLISH.
 इसमें बीस प्रश्न हैं अंगजी और हिन्दी में छपे हैं।
- All questions are compulsory. सभी पश्न अनिवार्य हैं।
- 4. The number of marks carried by a question/part is indicated against it.
 प्रायंक प्रश्न/भाग के अंक उसके सामने दिए गए हैं।
- 5. 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 that the authorized one.

प्रश्नों के उत्तर उसी माध्यम में लिखे जाने चाहिए जिसका उल्लेख आपके प्रवेश पत्र में किया गया है और उस माध्यम का स्पष्ट उल्लेख प्रश्न-सह-उत्तर (क्यूसीए) पुस्तिका के मुख्य पृष्ठ पर अंकित निर्दिध्य स्थान पर किया जाना चाहिए। उल्लिखित माध्यम के अंतिरिक्त अन्य किसी माध्यम में लिए गए उत्तर पर कोई अंक नहीं मिलेंगे।

- Word limit in questions, if specified, should be adhered to.
 प्रश्नों में शब्द सीमा, जहाँ विनिर्दिष्ट है, का अनुसरण किया जाना
 चाहिए।
- 7. Any page or portion of the page left blank in the Question-Cum-Answer Booklet must be clearly struck off. उत्तर पुस्तिका में खालो छोड़ा हुआ पृष्ठ या उसके अंश को स्पष्ट रूप से काटा जाना चाहिए।

Total Marks Obtained:

Remarks:

75, 3rd Floor, Old Rajinder Nagar Market, Near Axis Bank, New Delhi – 110060

103, 1st Floor, B/1-2, Ansal Building, Behind UCO Bank, Dr. Mukherjee Nagar, Delhi – 110009

EVALUATION INDICATORS

- 1. Alignment Competence
- 2. Context Competence
- 3. Content Competence
- 4. Language Competence
- 5. Introduction Competence
- 6. Structure Presentation Competence
- 7. Conclusion Competence

Overall Macro Comments / feedback / suggestions on Answer Booklet:

1.

2.

3.

4.

5.

6.

All the Best

Answer all the questions in NOT MORE THAN 200 WORDS each. Content of the answers is more important than its length. All questions carry equal marks.

12.5X20=250

The most important challenge in managing the public sector in India is balancing its accountability with autonomy. Discuss with relevant examples.

भारत में सार्वजनिक क्षेत्रक के प्रबंधन में सर्वाधिक महत्वपूर्ण चुनौती स्वायत्तता के साथ इसकी जवाबदेही का सन्तुलन स्थापित करना है। प्रासंगिक उदाहरणों के साथ चर्चा

gout holds majority of shares in public sector, in thus public sector is vulnerable to interference by gout Autonomy is needed to har goverate profession al kusiness practices and invoidance of excessive interprence by gout Further there is need to kalance autonomy "accountability of public service and business environment Accountability checks acouffict of interests within the public sector; it also improves work & and professional ethics hanaging both autonomy and accountability is challenging. This can be seen from following examples:

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Page 1 of 60

1) Public sector banks: - they have a dual purpose of maintaining financial viability and improving financial inclusion or & supporting gout in social sector schemes. Domination by goot results in the losses for PSB. 2) NPA problem in PSB is because of dubious handling of loans - populat measures like loan waiven by govt; similarly giving doans to defaulters like Malaya.
3) Utilities like Alr India, BSNL have continued their unprofessional practices because of lack of accountability. 4) Discome are delet because of policies of state govt which doesn't allow creation of a uniform & electricity market. - thus controlling the price 5) Gujeat petrolem companys emploration in KG kasin resulted in huge loss to & public funds - this is partly because of lack of accountability and presence of significant autonomy Further balance is needed to implement the provisions of companies act 102013

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Page 2 of 60

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which mandates a women director and truely midependent directors within the board.

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Page 3 of 60

Most rural poor are excluded from the ambit of the formal financial system, which raises their dependence on informal sources as well as exposure to financial distress. In this context, explain why formal sector lending, especially to farmers, is so limited. Also suggest some steps that need to be taken to increase access to formal credit in rural areas.

अधिकतर ग्रामीण निर्धनों को औपचारिक वित्तीय व्यवस्था की परिधि से बाहर छोड़ दिया गया है, इससे अनौपचारिक स्रोतों पर उनकी निर्भरता एवं वित्तीय संकटों के प्रति उनके जोखिम बढ़ जाते हैं। इस प्रसंग में व्याख्या कीजिए कि विशेष रूप से किसानों को औपचारिक क्षेत्रक के ऋण इतने सीमित क्यों हैं? ग्रामीण क्षेत्रों में औपचारिक ऋण की उपलब्धता बढ़ाने के लिए उठाए जाने वाले कुछ आवश्यक कदम भी सुझाइए।

Ca Formal institutional lending in rural areas, especially to farmers have remained poor because following reasons: -

social seasons

Formere considering taking money from moneylanders, relatives et social norm and traditional practices.

Lack of financial inclusion Absence of physical banking infrastructure in rural areas; unavailability of banks, financial illiteracy. Further there of towards digital systems of digital ulliterary

e and illiterary doesn't penetration of all digital ban

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Page 4 of 60

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Contraints for banks Banks prefer operating in urban areas. Further rural lenders / farmers are perceived as a cause of baddelets because of rainfed Indian agriculture bank of in rural areas is unicable for banks. atteber taken to improve the formal 1 Differentiation of bambs by diversifing their enpertise - payment banks and @ Use of \$ ICT - Jaw dhan yojana, small panks. adhaar and nobile to infrove 3 Improved inclusion that was sharativel cover - covering formers crops, cattle etc undeinsurance 9 Peromoting SH45 and other micro finance institutions 3) Education and awarness towards e banking services.

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Efforts should be made to support Indian businesses to invest abroad as 3. several direct and indirect benefits accrue to the home country from outward foreign direct investment. Comment.

भारतीय उद्यमियों को विदेशों में निवेश करने हेतु सहायता प्रदान करने के प्रयास किए जाने चाहिए, क्योंकि बहिर्गामी प्रत्यक्ष विदेशी निवेश से गृह राष्ट्र को अनेक प्रत्यक्ष एवं परोक्ष लाभ प्राप्त होते हैं। टिप्पणी कीजिए।

Dutward FDI is investment & made by Indian firms outside undia There will be several direct and indirect benefits to India from outward FDI.

Direct benefits

Political 1) It will improve Indias relations with other countries

De maia will be able to generate suffort from countries in bod regional and multilateral brodies - because of better

Economic

1 Et will raise india's global position as

(2) outward FDI will have letter returns in future. It we will make sustainable to resilie

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Page 7 of 60

VISION IAST acternal shocks because of diversification in Economy. Resources - energy security 1) Indian businesses have invested in oil and gas fields in venezuela, Africa, middle east Further FDI by India results in development and economic growth of other countries. This improves India's position as world leader. It has may indirect advantage . In domestic markets and business - best preign pracitises are taken up indirectly. . It strengthens indias stand of global development and reduction in inequality & among nations Call us: 9650617807, 9968029039 Visit us : www.visionias.in Blog : www.visionlas.wordpress.com Email: ajay.visionias@gmail.com Page 8 of 60

Monetary policy transmission in India has largely remained ineffective. What are the reasons behind this? Explain what marginal cost-based lending rate (MCLR) is and how it can affect monetary policy transmission

भारत में मौद्रिक नीति संचरण व्यापक रूप से अप्रभावी रहा है। इसके पीछे निहित कारण क्या हैं? व्याख्या कीजिए कि सीमांत लागत-आधारित उधार दर (मार्जिनल कॉस्ट-बेस्ड लेंडिंग रेट: MCLR) क्या है और यह भारत में मौद्रिक नीति संचरण को

किस प्रकार प्रभावित कर सकती है ?

Monetary policy transmission has remained poor; inspite of change in reporate by RBI the banks have not changed (lowered) their rates This is because of following reasons:

- 1) Weak balance sheets of banks. because of fising amount of NPA.
- 2) Double side repression on asset side of banks balance sheet reduces the availability of & credit.

-GLR, PSL norms

3 Barrles frefer to peep SLR, more than mandated regimement of 20% to around 25% & because its secure incoment

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margin

Banks face competitions by small caving schemes like Kisan patra which offer hugo rate of return Further public savings have reduced to purchase of gold etc. This reduces the ability to give credit-(5) Bank base rate is based on average cost of lending instead of marginal cost. Marginal cost of lending helps in deciding the base rate at which a bank gives doan for different items say vehicle loam, education loan or home loan. MCLR to introduced by RBI has a perovision that links this base rate to policy rate of RBI. The Jurther MCIR has to be revised every 2-3 months. Thus this increases the monetary transmission in India. Still measures are needed to tackle NPA, Emancial repression and structural rigidales

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Page 11 of 60

5. India's most pressing labour market challenge going forward is to generate a large number of formal sector jobs. In this context, discuss the constraints on formalisation of workforce. Also highlight how these constraints can be overcome.

भारत में धम बाजार की सर्वाधिक बढ़ती दवाबकारी चुनौती औपचारिक क्षेत्रक में बड़ी संख्या में रोजगार सृजन करना है। इस प्रसंग में कार्यबल के औपचारिकीकरण में आने वाली बाधाओं की चर्चा कीजिए। साथ ही, यह भी रेखांकित कीजिए कि इन बाधाओं को कैसे दूर किया जा सकता है।

Informal sector employe 93% of Indias work force. There are several constraints in formalising & work force:

Degal constraints:
Multiple labour laws, 1D Act, Factories
act etc limits the size of factory and
distorts the incentive to employ
more workers or grow the firm.

E Unskilled population.
Lack of skill in work force and for lack of skill in work force and for lack of the unskilled love paid work.

3 India's economic growth has been a jobles growth this forces the population into casualus work.

(4) India's economic growth has note been driven by manufacturing sector, which will suplay more people, but by

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Page 13 of 60

VISION IAS 15 Huge population, inter-state, disparity, besour laws set etc are other constraint in formeling work force. These constraints can le oversome by: 1 Labour reforms. - this will seder I promote the comp factories to grow. Further gout needs to vithdraw all terse as 4 other incentive that promotes small size of company. @ India needs to invest in its manufaction sector - that which are below intensive like textiles. - Make in India 3 Need to regulate construction sector - as it is the major source of formal work force (4) Rural industrialisation and entrepreneurs to stop distress migration and address disguised imemployment in agriculture (3) Peromotion to pool processing industry. Other reforms in banking, industries, FDI also needed. India needs to Call us: 9650617807, 9968029039 Call us: 96506 r roun.

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Page 14 of 60

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skill its to people to utilise idennegraphic dividend.

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Page 15 of 60

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What are the objectives of public debt management in India? Examine the rationale for setting up an independent agency to manage government debt. Also highlight the issues that need to be addressed to ensure successful debt management by an agency other than the RBI.

भारत में सार्वजनिक ऋण प्रबंधन के उद्देश्य क्या हैं? सरकारी ऋण का प्रबंधन करने के लिए एक स्वतंत्र एंजेंसी स्थापित करने के तर्क का परीक्षण कीजिए। RBI के अतिरिक्त किसी अन्य एजेंसी द्वारा सफल ऋण प्रबंधन सुनिश्चित करने हेतु, आवश्यक रूप से संबोधित किए जाने वाले मुद्दों पर भी प्रकाश डालिए।

Objectives of public debt manage

-) To provide credit to central and in India are
- 2) To manage public debt within a manageble limit
- 3) Reliance on det domestic delet over external borrowing.

There are many reasons why PDMA is needed in India. Some are:

1 Presently RBI manages public debt, it also is responsible for Targeting inflation is monetary policy. Thus RBI undertakes Open market operations, changes prolicy rates - this generates interest written the RBIS a conflict

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role as & delet manager and inflation tergeting.

- Deconflict of interest in RBI doesn't allow proper management of both of these
- @ Deparating function of debt management and with good results.

But inspite of various advantages there are following issues: -

- 1 The fundamental conflict blue the debt monagement and inflation targeting would not solve untill the good take measures for fiscal consolidation
- @ RBI till now managed both central and states public debt. Thus creation I motitutional mechanism is challenging taking in mind the federal structure.
- 3 RBI provides a group of professional experts to manage debt. This human resource would be another challenge

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Page 17 of 60

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Explaining the rationale behind ceiling on agricultural land holdings, discuss whether land ceiling has stifled agricultural growth in India. कृषि भु-धारिता की ऊपरी सीमा निश्चित किये जाने के पीछे निहित तर्क की व्याख्या करते हुए चर्चा कीजिए कि क्या भूमि-धारण करने की सीमा ने भारत में कृषि क्षेत्रक की वृद्धि को दमित किया है? Indian national independence movement aimed to establish an egalaterian society by a redistributing wealth an resources among the country's population. Rationale behind land reiling an agri. land holding are following: 1) Reducing social inequalities: Indian society rattaches social per standing of person to size of land. This ceiling land and redistribution was a measure to reduce the domination of moneylenders, zamindars and upper 2) Reducing economic inequalities: -Ceiling lands was a port of Landreform this was a measure to provide an income source to farmers, tenants and where croffers. Ceiling was also to

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sultination &

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VISION IAST this problem. Model Land lease law is also allows a step in eight direction Call us : 9650617807, 9968029039 Visit us : www.visionias.in Blog: www.visionias.wordpress.com Page 21 of 60 Email: ajay.visionias@gmail.com

Augmenting the employment potential is linked with the need for increasing India's share in world exports. What are the objectives of the Foreign Trade Policy (2015-20)? How does it seek to achieve these objectives in the coming years?

रोजगार क्षमता में वृद्धि, वैश्विक निर्यात में भारतीय भागीदारी बढ़ाने की आवश्यकता से संबद्ध है। विदेश व्यापार नीति (2015-20) के उद्देश्य क्या हैं? आने वाले वर्षों में यह इन उद्देश्यों को किस प्रकार प्राप्त करना चाहती है?

Export promotion has various positive effects on employment potentials realising this India has made its FTP (2015-20) to promote exports. Following are its objectives:

1) Improve the Indias share of total world export. to 3.5%.

2) Double the total amount of exports

3) It has focused on make in India by 2020

To seek these objectives the foreign trade policy creates:-,

1) MEIS - merchandise export from India whene by clubbing various schepas

for goods infort.

2) Similarly SEIS service export from

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Page 22 of 60 Call us: 9650617807, 9968029039

India scheme for service sector. 3) she policy also makes the duty free scops as tradeable and transferable - thus improves the work environment y) The policy also focuses on collaboration blu various gout schemes like skill India mussion, digital mission and India. to the taken other measures to improve case of doing business like ratifying TFA, development of infrastructure - roads sorridors, DFC, inland water ways, sagarmala project for ports, tarcation reforms - 95T to reduce cost of exports and neve IPR policy to facilitate innovation and entreprenuership

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9. The advent of differentiated banking marks the beginning of a radical overhaul of the banking structure that would address the abysmal levels of financial inclusion in India. Elaborate. What are the possible issues that could impede the functioning of these banks?

विभेदित बैंकिंग का आरम्भ, बैंकिंग संरचना के आमूल जीर्णोद्धार की प्रक्रिया के आरम्भ को चिहिनत करता है, जो भारत में वित्तीय समावेशन की निराशाजनक स्थिति को हल कर सकेंगा। वर्णन कीजिए। इन बैंकों की कार्य पद्धित को बाधित कर सकने वाले संभावित मुद्दे क्या हैं?

Differential banking is banking operation in which banks of take up certain which vertical of banking operation in which they could specialise — like Payment they could specialise — like Payment banks specialising in remittances. This system will promote financial inclusion in India by:—

- 1) Personiding cheap and innovative solutions to problems.
- Differential banks could streamline their operations by targeting a certain population of small banks and payment banks in rural areas. Payment banks providing souring and runitance transfering facility could remittence transfering facility could help migrant labours. where as

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Page 25 of 60

panking facilities & in rural areas 3 Differential banking helps in diversification of banking operation, it also allows private entry in banking system - retail chams, telecom compaines, post offices could use their expertise. Challenges for these bambs are: 1) Norms by RBI - high &R and PSL were quota for small banks; payment banks cont the give loans which hurts their viability. (2) Existing advantage to small saving 3 Peer - to peer lending system like UPI have increased competition (9) Financial illiterary, digital divide and complexity because of multiple afcs

— Jandhan alc, payment bank afcts etc will

be difficult for medurated, propulation.

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Page 26 of 60

10. While explaining the reasons behind slump in revenue of Indian railways, discuss whether the recently announced "dynamic fare pricing" can help in

भारतीय रेलवे की आय में गिरावट आने के पीछे निहित कारणों की व्याख्या करते हुए चर्चा कीजिए कि क्या हाल ही में घोषित 'डाइनैमिक फेयर प्राइसिंग' इस समस्या को हल करने में सहायता कर सकता है?

Indian railways revenues have taken a slump because of following

1) Populist measure take by gout by goods fair failures serve the duel purpose of how base for people and economic viability.

2) More movement and every estions

leads to reduced efficiency - In India both the freight and passenger trains operate in same lines.

- 3) Railways are a monopoly in India - thus lack of competitions leads to lack of professionalism.
- 4) Railway ministry has to pay dividend the finance ministry - thus there is a need to merge the two budgets

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of lack of automorny leads to populist measures like investment in scallulage operation outsides railways low fire to - it also proportes the reduces the scope of laying off we extra workfore. 6) Retiance on obsolete technology, large no. of railway crossing ite also reduces efficiency Dynamic faire fare pricing will partly solve the problems faced by railway But it is a step in right direction to stop cross-subsidisation and targeting a certain class of population will also serve the social purpose of railways Kirlways also need to provide services to retain people - and not shifting to airways. It it fail to provide

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addition

services then it would be wrong to

charge extra without any value

11. What is Google Street View? Discuss the grounds on which India has refused to allow Google to launch its Street View service in the country.

गुगल स्ट्रीट व्यू क्या है? चर्चा कीजिए कि भारत ने किन आधारों पर गूगल को अपने देश

में इसकी स्ट्रीट ब्यू सेवा आरम्भ करने से मना कर दिया है। google street viene is a digital platform developed by google which allows a person to digitally view a certain location. It is basically a virtual map of the actual location. India has refused to allow street view services in the country because of following reasons:-) security reasons: - street viene vill be accessible to every one everywhere - this allows terrorist to plan their attacks as was the case in Pathankol attacks With rising digital profession proficiency of terrorists — this street view to has a lot of avenues for misure.

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2) to lack of compliance, by foreign based rompanies, of Indian lanes. google has earlier refused may order under section 69 of 1T act 2000

3) Privacy of indian citizen is infringed as street viene capterer project uploads images without taking individuals consent.

Indias shouldn't outrightly han the streetviere project as it has advantage in taking up relief and rescue of operation during disasters, it also promotes tourism industry.

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Page 32 of 60

Increasing use of Unmanned Aerial Vehicles (UAVS) pose unique policy challenges that transcend conventional domains of national security, privacy and business practices. Analyse in the context of the draft guidelines that have been issued by the DGCA (Directorate General of Civil Aviation). Also examine the significance of UAVs in achieving the goal of inclusive development.

मानव रहित यानों (UAVs) का बढ़ता प्रयोग वस्तुतः ऐसी विशिष्ट नीतिगत चुनौतियों को खड़ा करता है जो राष्ट्रीय सुरक्षा, गोपनीयता एवं व्यवसायिक कार्यप्रणालियों के पारंपरिक क्षेत्र से कहीं आगे बढ़ कर है। नागर विमानन महानिदेशालय (DGCA) द्वारा जारी मसौदा दिशा-निर्देशों के संदर्भ में इसका विश्लेषण कीजिए। साथ ही, समावेशी विकास के लक्ष्य को प्राप्त करने में UAVs के महत्व का परीक्षण कीजिए।

UAVs is a remote controlled aircraft device which can be used for surveillance, geospatial mapping, and forest mapping, crop & pattern etc They pose a challenge as they transcent the conventional domains of nation security, privary and business practices. Firstly because they could be used to spy, to get location of military targets. secondly it is very difficult to regulate UAVs.

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Page 34 of 60

Regulations by DGCA to check misuse of UAVs are: -.) It requires permission by gos authority before ving UAVs. 3) It prohibits its use in delhi and near border areas. 3) It prohibits drones in controlled air space for air crafts Significance of UAVs in achieving goals of inclusive development are: Oft will help in improving agriculture meone - by improving productivity, by ensuring crop cover check in to mourance (2) It will help in disaster resuce and relief operations. (3) help in monitoring deforestation and also afforestation under CAMPA -(9) It vill help in tackling wildlife poarching, sunggling across borders etc. It can also less help in delivering supplies - food, medical supplies otc.

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What is Artificial Intelligence? Can it be a potential game changer in improving governance? Examine the challenges that lie in its use.

कृत्रित बुद्धिमत्ता (आर्टिफीसियल इंटेलिजेंस) क्या है? क्या गवर्नेस (शासन) में सुधार लाने में यह एक संभावित गेम चेंजर (स्थिति परिवर्तक) बन सकता है? इसके उपयोग में निहित चुनौतियों का परीक्षण कीजिए।

Artificial intelligence is performance by ar a computer system which requires human & intelligence such as perceiving smell, translating language, emotional response etc.

It could be a game changer in delivery of government services:

- 1) It will reduce corruption in payments, auction etc. effectiveness and
- 2) It will improve the efficiency of gout services by reducing human interface - delivery of MGNREGA funds, DBT, BAPV systems.
- 3) It will lead to inclusive growth as it will help in education and health Bacilities in rural areas. It will

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Page 37 of 60

VISION IAS" also improve the quality of services 4) It will improve the transparency of But certain aspects of good governance like responsivenes, rule of land, accountability and participation by public are excluded from A1. challenges that he in use of A): D Expensive - thus the costs outwigh benefits in present wantered. 3) love And by Indian in case of A) 3) Lack of averons and policy paralysis in case of exploitation of AI. 4) Vinge of cost of replacing humans - lading to ememployment etc Call us: 9650617807, 9968029039 Visit us : www.visionias.in

The government recently announced its plan to make India a 100% electric vehicle nation by 2030. What are the advantages of Electric Vehicles over internal combustion engine (ICE) vehicles? Highlight the challenges that the government needs to overcome to implement this plan.

सरकार ने हाल ही में भारत को वर्ष 2030 तक 100% विद्युत वाहन युक्त राष्ट्र बनाने हेतु अपनी योजना की घोषणा की। आंतरिक दहन इंजन (इंटर्नल कमवस्टन इंजन: ICE) वाले वाहनों की तुलना में विद्युत वाहनों के क्या लाभ हैं? इस योजना का कार्यान्वयन करने के लिए सरकार को किन चुनौतियों का समाधान करने की आवश्यकता है?

Electric vehicles use electricity stored in sattery as fuel &; Shis has following advantages over internal contention engine velside:

- () Environmental costs are very less as compared to (CE). It reduces the amount of GHG emitted by transport industry which is \$ 15%. Thus it helps in acheining INDC.
- (2) Efficiency of fuel to cost is greater for electric vehicles
- 3 It shifts economy of away from reliance on fossil fuels. This will reduce our import bill, current account

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Page 40 of 60

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be able to spend more on social security schemes.

1 It will reduce to India's reliance or preign nations for energy security. Challenges that needs to overcome are

O High cost of electric vehicles as compared to ICE. Further these vehicles are not able to store e' for larger journey.

2) Grid connectivity is poor in hidia.

Further power sector faces many challenge from debt of discons to underulitised capacity.

3 generation of electricity too has its
environmental imports — thus EV will
be force creation of more dams, themel
plants etc — which will damage
hadia needs invest in Rub to reduce the
cost of these vehicles

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"Page 41 of 60

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document is personalized for Annol Jain(annoliain38@gmail.com)

While the provisions of the Montreal Protocol have helped phase out CFCs, the alternative to them have contributed to another problem. Comment. How will the Kigali agreement help in addressing this problem?

यद्यपि मॉन्ट्रियल प्रोटोकॉल के प्रावधानों ने चरणबद्ध रूप से CFCs का उपयोग समाप्त करने में सहायता की है, किन्तु इसके विकल्प ने अन्य समस्या खड़ी कर दी है। टिप्पणी कीजिए। इस समस्या को हल करने में किगाली समझौता किस प्रकार सहयोग

Montreal protocol on ozone depleting gives binding targets to countries to born (DDS) in a phased manner and substitute substance that donot damage gone layer like HFC (Hydro Horo carbons). This protocol has helped in suplimishment of ozone layer but has created a problem of global warming due to high green house potential, ie 14,800 times that of CO2, of MFC. This will lead to adverse effects to environment and change. Kigali agreement addressed this problem

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VISION IAS" 1) It has set binding targets for countries to phase out use of MFCs. country would be using more than 15-20% JUFC by 2045 of their respective base years. 2) This agreement is puts targets for developed developed, developing and least developed countries - thus is comprehensuel Although there are certain challenges I Technology transfer mechanism is not clear 2) Funding mechanism is not established to help the domestire industries. Thus Kigali agreement vill help in achieving targets of paris agreement. It not resolves the conflict blue two agardes It also creates awareness of climate change Call us: 9650617807, 9968029039 Blog: www.visionlas.wordpress.com
Page 44 of 60

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16. Despite a wide range of problems and issues, India supports 57 per cent of the world population of tigers. Enumerate the challenges in maintaining the growth of tiger population in India. What are the salient features of the strategy adopted by India over the years to support the tiger population? Also highlight the measures required to further improve the situation in this context.

विभिन्न प्रकार की समस्याओं एवं मुद्दों के बाद भी विश्व के 57 प्रतिशत बाघ भारत में हैं। भारत में बाघों की संख्या वृद्धि को बनाए रखने में आने वाली चुनौतियों को एक-एक करके बताइए। बाघों की संख्या को प्रोत्साहित करने के लिए भारत द्वारा विगत वर्षों में अपनायी गयी रणनीति की मुख्य विशेषताएँ कौन-सी हैं? इस संदर्भ में स्थिति में और अधिक सुधार करने के लिए आवश्यक उपायों पर भी प्रकाश डालिए।

Challenges in maintaining the tiger population in country:

1) Managing development so and protection of wildlife is economic growth.

- growth regiones physical infrastructure like roads and railways, dans etc which leads to deforestation and reduces siet to settles (sundersons)

- eg NH7 in Panna tiger reserve - MP.

2) lack of regional cooperation leads to

disputes and creates barriers for migration for tiger : seg India pak border

is fenced.

3) Inter-state cooperation is lacking

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Page 46 of 60

4) Numerous disputes asset between gout dept and ministries. — tribal ministryenvironment ministry - forest dept

5) theregatate Poarching activities and smuggling. 6) Inadequate conservation funds and infrastructure like 2008

strategy adopted by India: -

1 De Specie based conservation approach - Project tiger.

(2) Global initiature - Global tiger initiative wellaboration with CITE'S, TRAFFIC to la check smuggling.

Projects by IUCN to count tigers in

MAB initiative to reduce man-animal

conflict. 1 Conservation parks - National yearles

and sanctuaries 18 Wildlife conservation (4) legal framework -Loard, Wildlife Act, envisonment protection act, NTCA etc

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VISION IAS" Measures to improve condition are: 1) creation of corridors between national porks; - en Bhutan's experience could be implemented in India. 2) Use of satellite and other technology to check deforestation 3) Using CAMPA funds to revive forest wer. Call us: 9650617807, 9968029039 Blog: www.visionlas.wordpress.com Page 48 of 60

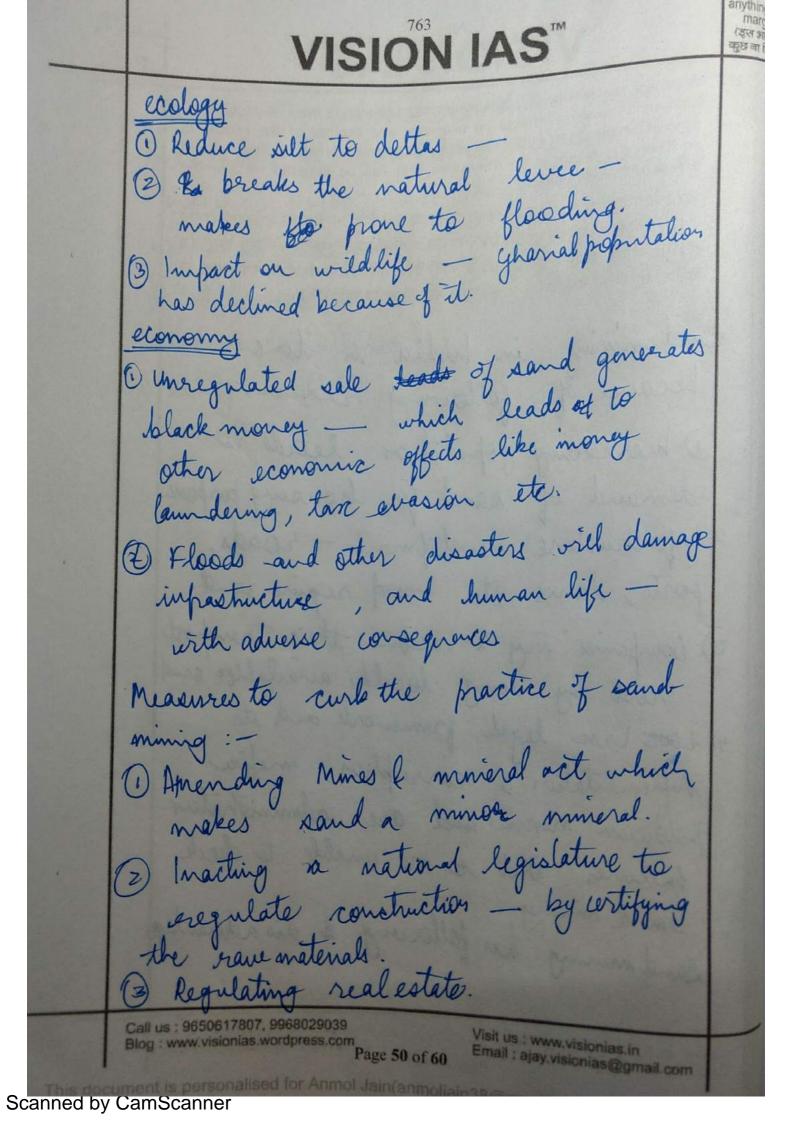
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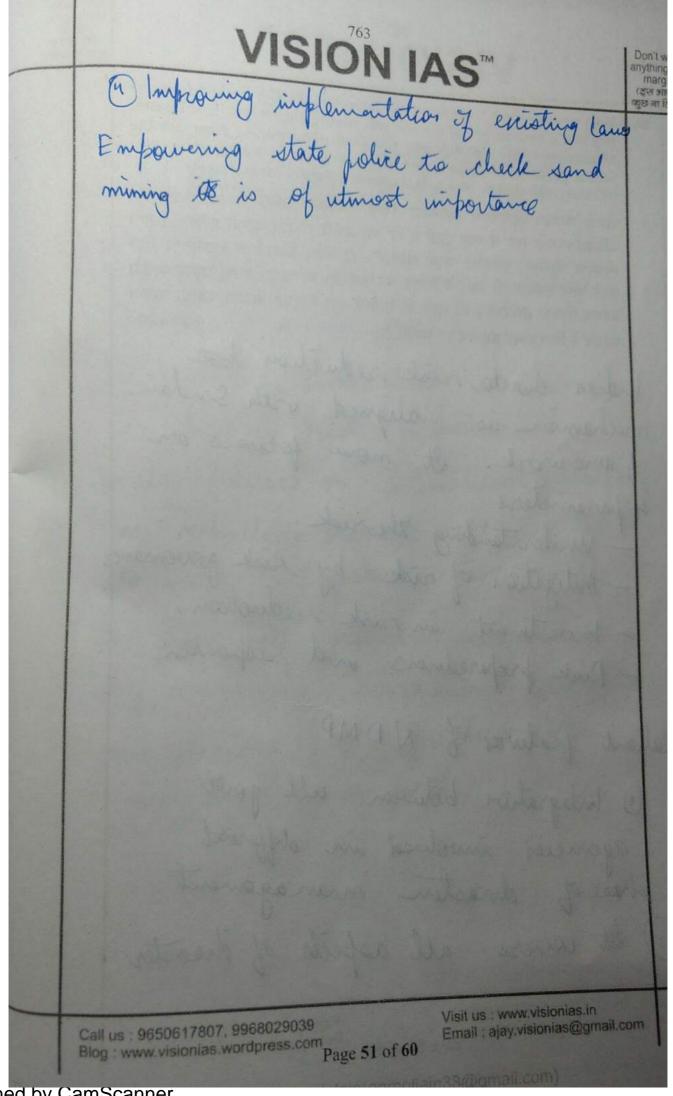
What are the reasons for indiscriminate sand mining from rivers in India? Analyse its adverse effects on economy and ecology of the region. In context of the 2015 guidelines released by the Ministry of Environment and Forests, highlight the measures that can be adopted to curb the practice of sand mining.

भारत में नदियों से अंधाधुंध रेत खनन के कारण क्या हैं? उक्त क्षेत्र की अर्थव्यवस्था एवं पारिस्थितिकी पर पड़ने वाले इसके विपरीत प्रभावों का विश्लेषण कीजिए। पर्यावरण एवं वन मंत्रालय द्वारा वर्ष 2015 में जारी दिशा-निर्देशों के संदर्भ में, रेत खनन पर अंकश लगाने हेतु अपनाए जा सकने वाले उपायों पर प्रकाश डालिए।

Sand mining in India is done because of following reasons I) hereosing Jopulation leads to demand of sand for housing purposes. 2) Infrastructure development - roads, ports, dans etc med require sand. 3) Companies try to reduce their transport rost by using locally available sand 4) took lare legal prememork and its inflementation, corruption, majia politician nerus and are administrative failures that re are unable to check sand mining has following to dis advantage

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India's commitment to Disaster Risk Reduction (DRR) is evident from the fact that it became fact that it became one of the first countries to align its National Disaster
Management Disaster Risk Reduction (DRR) is National Disaster Management Plan (NDMP) with the Sendai Framework. What are the salient footing salient features of India's first National Disaster Management Plan (NDMP)? How can this plan help in effective disaster management?

आपदा जोखिम न्यूनीकरण (डिजास्टर रिस्क रिडक्शन: DRR) के प्रति भारत की प्रतिबद्धता इस तथ्य से स्पष्ट होती है कि यह अपनी राष्ट्रीय आपदा प्रबंधन योजना (नेशनल डिजास्टर मैनेजमेंट प्लान: NDMP) को सेंडाइ फ्रेमवर्क के अनुसार संरेखित करने वाले सबसे पहले देशों में से एक बन गया है। भारत की प्रथम राष्ट्रीय आपदा प्रबंधन योजना (NDMP) की मुख्य विशेषताएँ क्या हैं? यह योजना प्रभावी आपदा

Indias disaster risk reduction to प्रबंधन में किस प्रकार सहयोग कर सकती है? mechanism is aligned with Sendain frame work. It now focuses on

4 parameters - understanding the risk.

- Mitigation of risk by risk governance
- Investment in risk reduction.
- Risk proparedness and response.

Satient features of NDMP

1 Integration between all gout

agencies involved in different phase of disaster management It covers all aspects of disaster

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prevention, mitigation, response, recovery and rehabilitations through 3 It jourses on creating education, using media (3) the mandates strengtheing of Indias disester response force. (5) It promotes community involvement in disaster risk reduction. It also focuses on international cooperation

in technology transfer - eg from Japan to make earthquake resistant building This plan vill promote involvement of community, international collaboration and adoption of hist practices for disaster management.

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19. Recent instances have led many to not use plastic or electronic transactions, despite the convenience. Discuss the issues associated with the rise of currency in circulation in the economy in recent times. Also, highlighting the advantages of a cashless economy, suggest measures required to bolster its popular acceptability.

सुविधाजनक होने के बावजूद भी, हाल की कुछ घटनाओं ने बहुतों को प्लास्टिक या इलेक्ट्रॉनिक लेन-देन से बचने के लिए प्रेरित किया है। वर्तमान समय में अर्थव्यवस्था में संचलित करेंसी की मात्रा बढ़ने (मुद्रा के चलन में वृद्धि) से संबद्ध मुद्दों की चर्चा कीजिए। साथ ही, कैशलेस अर्थव्यवस्था के लाभों पर प्रकाश डालते हुए, इसकी लोकप्रिय स्वीकार्यता को बढ़ाने के उपाय सुझाइए।

has led to following challenges:

- 1) It leads to unaccounted transactions in case of sunggling of drugs and other crimes.
- 2) Cash is used in election to secure voters and election campaign
- 3) cash transaction in real estate leads
- to benami transaction.

 4) Cash allows for corruption in delinery of public services.
- 5) Increased sur circulation rean also lee because of rise in counterfeiting

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Page 55 of 60

- Cash to leaves scope for counterfeiting. Advantages of ashless economy: (1) Increase effectively of quality transactions.

(2) The black money generation, transfer and laundering. 3 It will improve delivery of furancial services by the gout. ig use of DBT to transfer MANREGA mages (4) It reduces the expenditure of creating (5) It will improve financial melusion arrency heasures to boost its popularity: O Creating awareness among people \$ 2 Demonitisation of arrancy. @ Digital platforms like UPI should be monited 3 Boost to start ups to deliver services - PayTM.

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Page 56 of 60

20. Whereas proliferation of traditional nuclear weapons has long been a concern, the issue of dirty bombs and orphan sources has also become important in recent years. Explain what a dirty bomb is and highlight the concerns linked with nuclear terrorism in India. In this context, what are the issues that need to be addressed to effectively ensure the security of nuclear material in India outside the already secured nuclear installations?

यद्यपि पारंपरिक नाभिकीय अस्त्रों का प्रसार लंबे समय से चिंता का विषय रहा है, किन्तु डर्टी बमों एवं अज्ञात स्रोतों (लावारिस स्रोतों) का मुद्दा भी हाल के वर्षों में महत्वपूर्ण हो गया है। व्याख्या कीजिए कि डर्टी बम क्या है एवं भारत में नाभिकीय आतंकवाद से सम्बद्ध चिंताओं पर प्रकाश डालिए। इस संदर्भ में, भारत में पहले से सुरक्षित नाभिकीय प्रतिष्ठानों के बाहर स्थित नाभिकीय सामग्री की प्रभावी सुरक्षा को सुनिश्चित करने हेतु किन मुद्दों को संबोधित किए जाने की आवश्यकता है?

Virty bombs are saedlear bombs made of muclear material from nuclear technology in power plants, medical equipments ete. These are used by terror groups. & Thus it makes is imperative to invest in muclear security by India. because of following concerns: -1) Porous border with muclear state of Pakistan with dubious nuclear record and presence of large a Indian coastline External threat of nuclear terrorion from patriotan looms very high.

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Page 58 of 60

VISION IAS" 2) Indian civil and inilitary muclear facilities needs protections - rise in left wing extremion - Internal selessionist movements in J&K and NE. Issues that need to be addressed to ensure security of muclear material outside the secured installation like those used in medical appliances, research laborationes etc. 1) De recorde of movement of such waste devices has to be maintained. 2) Disposal with should take measures to segregate wastes 3) Police force should be strengthen 4) India needs to control import export of such devices. Call us : 9650617807, 9968029039 Visit us : www.visionias.in Email: ajay.visionias@gmail.com Blog www.visionias.wordpress.com