

Test Code: 21058

FIAS – MGP2019 – 19B

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MGPQ021488

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**GENERAL STUDIES**

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Mobile No.		Date:	8.9.19

Time Allowed: Three Hours

Maximum Marks: 250

INDEX TABLE			INSTRUCTION
Q. No.	Max. Marks	Marks Obtained	1. Do furnish the appropriate details in the answer sheet (viz. Name, Email, Roll No, Mobile) 2. There are TWENTY questions printed in ENGLISH. 3. All questions are compulsory. 4. The number of marks carried by a question/part is indicated against it. 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. 6. Word limit in questions, if specified, should be adhered to. 7. Any page or portion of the page left blank in the Question-Cum Answer Booklet must be clearly Struck off.
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Total Marks:			
Remarks:			Start Time 10:20 AM
			End Time 1:20 PM
			Mode Of Examination : Online ☐ Offline ☒
			ECN CODE: Evaluation Date:

ForumIAS Offline Guidance Centre

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Parameters	Excellent	Very Good	Good	Average	Poor	Very Poor
Language						
Structure						
Presentation						
Handwriting						
Content						
Attempt						

ADDITIONAL COMMENTS



Q.1) Blue economy presents India with an unprecedented opportunity to meet its national objectives, strengthen connectivity with neighbours and exert influence in the surrounding regions. Analyse.

(10 Marks, 150 Words)

India has a long-coastline of 7516 kms presenting it with huge potential to develop Blue economy.

Blue Economy will help India in

1) Achieving national objectives by:

- 1.1) Achieving farmers income by 2022
- 1.2) Fisheries provide alternative income to farmers.
- 1.3) Reduce CO₂ emissions under NDCs by promoting water transport.

2) Strengthen Connectivity with neighbours:

- 2.1) In Indian Ocean Region through Information Fusion Centres.
- 2.2) By promoting water-route connectivity for trade, tourism

3) Exert Influence over region:

3.1) Soft power through goals like SAGAR over Island nations

3.2) Strategic power by increasing vigilance in IOR.

3.3) Promoting security in IOR through its naval sorties

3.4) Help India form collaborations with African nations through IORA, African-Asian Cooperation on Blue Economy.

Way Forward → Develop ports
→ Promote inclusive participation
→ Promote cooperation

Blue Economy presents huge prospects for India to exert its influence and strengthen candidacy for UNSC permanent seat.

Feedback(For OFFICE use only)

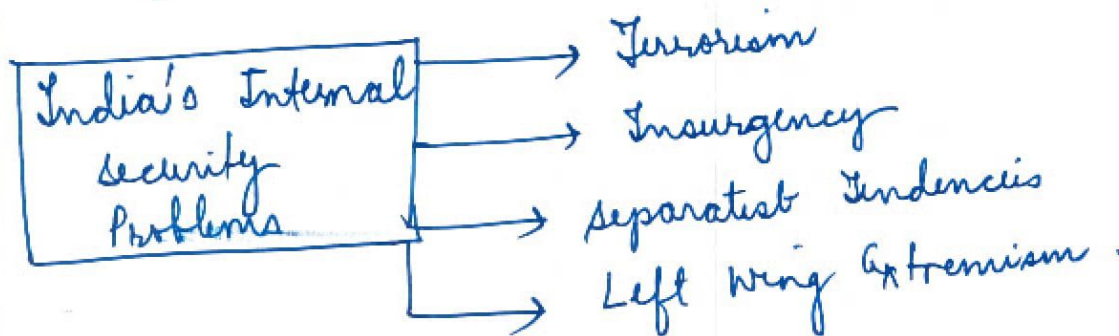
Structure	
Question Interpretation	
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Q.2) India's internal security problems are a manifestation of internal weaknesses and external attempts at waging a proxy war. Analyse

(10 Marks, 150 Words)

India has faced many internal security problems in recent years with Pulwama attack being the most recent one killing over 50 CRPF jawans.



Its manifestation of Internal weaknesses as:

1) Left Wing Extremism:

- 1.1) Inequitable growth
- 1.2) Poor governance in tribal areas
- 1.3) Administrative Apathy

2) Separatist Tendencies:

- 1.1) Inability of government to involve citizens in development
- 1.2) Failure to absorb diversity

3) Insurgency:

3.1) Lack of development in Border Areas.

3.2) Poor connectivity

3.3) Failure in ensuring economic development

Result of external attempts to wage war

① Terrorism:

1.1) State sponsored terrorism by Pakistan.

1.2) Infiltration through borders

1.3) Neighbours offering safe haven for insurgents

Other factors

→ Historical factors: Partition
→ Physical factors: Difficult Terrain on Borders
→ ~~Eff~~ Cross Border Ethnic Ties.

Way forward

Ensure robust border security, equitable economic development to control
insure internal security.

Feedback(For OFFICE use only)

Structure	
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Q.3) Examine the basic tenets of green agriculture. How is it useful in protecting agro-biodiversity?

(10 Marks, 150 Words)

Green agriculture refers to agricultural practices with minimum environmental impact. Ex: Zero Budget Natural Farming (ZBNF).

Basic Tenets of green agriculture:

1) No chemical inputs:

1.1) Use bio-fertilizers & bio pesticides.

Ex: Jivamitra in ZBNF.

2) Minimize water usage:

2.1) Avoid over-irrigation.

2.2) Irrigation through soil moisture.

Ex: whapsa in ZBNF.

3) Inter Cropping:

3.1) For natural restoration of soil fertility.

3.2) Planting leguminous crops for

Nitrogen restoration

4) Minimum Tilling:

4.1) To preserve soil structure

4.2) Avoid desertification

How it preserves agrobiodiversity

1) Crop Rotation: many crops planted in cycles.

2) Use of bio fertilizers: maintain soil biodiversity.

3) Minimum Irrigation: ensures crops are in sync with agro-climatic regions. Ex: Dry & Hardy crops in dryland regions.

However these techniques need more awareness and institutional support.
This can go a long way in ensuring sustainable agriculture.

Feedback (For OFFICE use only)

Structure	
Question Interpretation	
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Q.4) The DNA Technology (Use and Application) Regulation Bill, 2018 lacks effective safeguards against its misutilization. Critically examine.

(10 Marks, 150 Words)

Government introduced DNA Technology (Use & Application) Regulation Bill to enable better identification of criminals through biotechnology like DNA fingerprinting etc -

How | It lacks safeguards as: |

- 1) doesn't provide specific guidelines for deletion of DNA data post identification
- 2) Provides for creating DNA Bank of criminals
- 3) Raises suspicions on use of DNA data for profiling in absence of Data Privacy Regulations -
- 4) The No permission mandatory for collecting data in case of severe crimes Against constitutional safeguards, by forcing a person to be a witness against him

However, it ensures

- 1) Data is not used for any other purpose except identification
- 2) Provides safeguards for ^{DNA} data collection from crime scenes.

Way Forward

- 1) Data Privacy Bill should be passed soon to handle suspicions of profiling
- 2) Ensure proper data collection from crime scenes to avoid wrong incrimination

NCRB records state that many cases fail to reach resolution due to DNA data, DNA Regulation Bill is a positive step in this direction

Feedback (For OFFICE use only)

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Q.5) Scientific management of forest fires requires holistic understanding of its ecological utility. Comment giving examples.

(10 Marks, 150 Words)

Increasing global warming has caused increasing incidents of forest fires. Eg: Bandipur Forest Fires, Amazon Forest Fires (2019) and Arctic Forest Fires (2019)

Ecological Utility of Forest Fires

- 1) Helps control building of biomass which can fuel bigger fires
- 2) Helps control increase soil fertility of well managed
- 3) Affects flowering cycles and seed-develop-ment cycles by providing required warmth
- ④ Can be used to control forest fires

Scientific Management

Involves controlling forest fires and enabling controlled forest fires.

Example

Bandipur Forest Committee banned forest fires completely by tribal communities. This led to 'build up of Biomass (Lātana Comara) and fuelled a massive fire.

Way Forward

- ① Involve local communities in scientific management.
- ② Control Tourist activities which can fuel forest fires
- ③ Better Preparedness due to climate change

Forest fires, though a natural phenomena, ~~have~~ seen increase recently. due to temperature, they must be managed scientifically

Feedback(For OFFICE use only)

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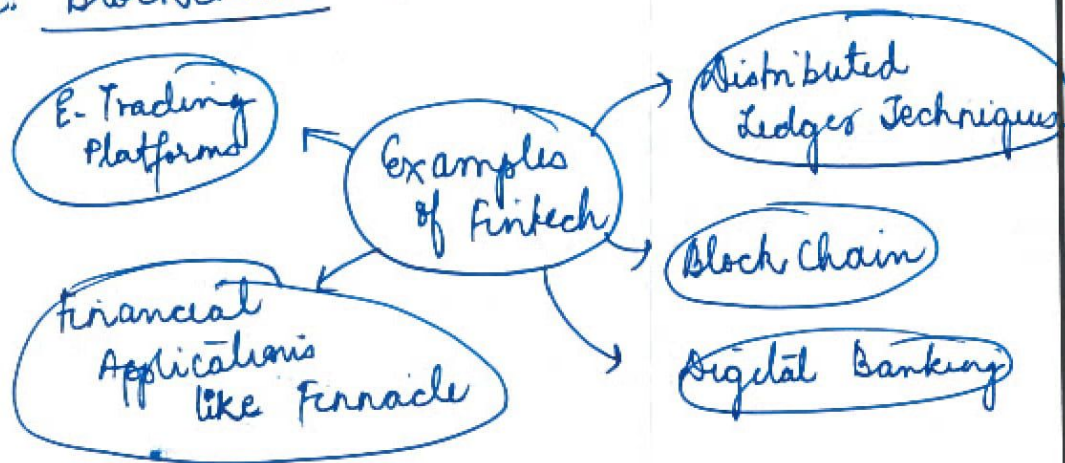


Q.6) What do you understand by Fintech? How can it be used for ensuring financial inclusion?

(10 Marks, 150 Words)

Fintech refers to a host of technologies which aid financial transactions.

Ex: Blockchain

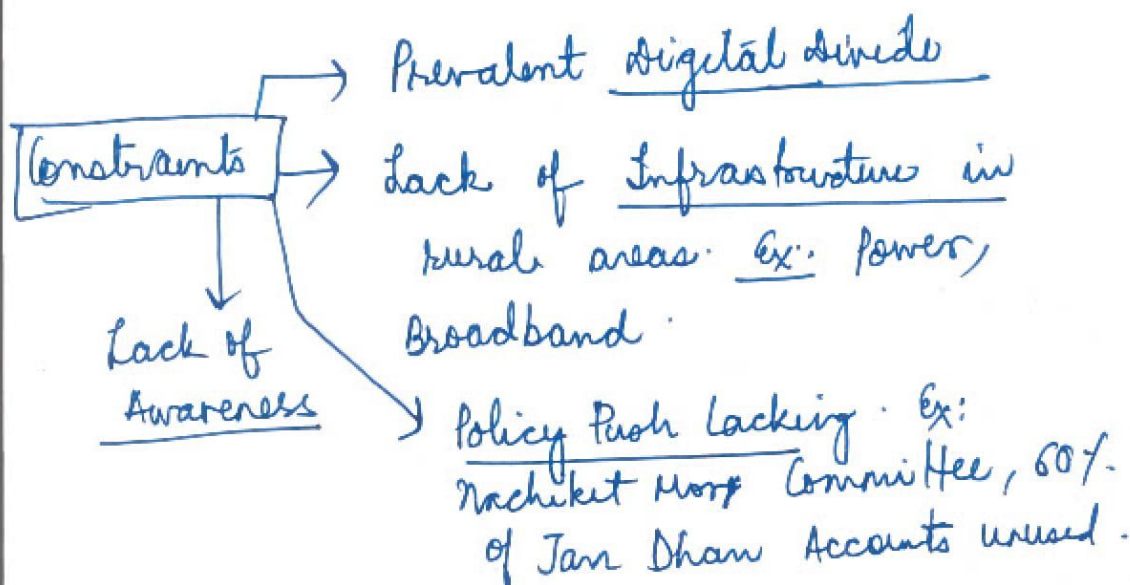


How can they be used for financial Inclusion?

- ① Digital Banking coupled with JAM Trinity can enable remote banking access.
- ② Blockchain technology enables e-KYC, remote digital identity management.
- ③ Digital Banking: provides easy loan

access.

Ex: psb loan in 59 minutes . com initiative by government of India



Way Forward:

Digital Technologies and FinTech provide Immense Potential for financial inclusion, increased literacy, robust infra (BHARATNET) and sustained policy push will help India achieve SDG-1.

Feedback(For OFFICE use only)

Structure	
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Q.7) Marred by myriad challenges, the push to Clean Ganga is not delivering results. Critically analyse.

(10 Marks, 150 Words)

Government of India Launched
Namami Gange Mission to Clean Ganga
and its tributaries in 2015.

Steps taken

- 1) Creation of Ministry of River Rejuvenation
- 2) Creation of separate fund for Namami Gange Mission.
- 3) Establishing Sewage Treatment Plants (STPs) to prevent flow of untreated waste in rivers.

Challenges Faced

- 1) Funds remain largely untutilized -
- 2) STP projects haven't really taken up
- 3) Large untreated sewage flows into

Ganga.

Ex. 80% of municipal waste generated in UP, flows untreated in river Ganga.

Way Forward

- Ensure STPs are set up immediately -
- Waste Segregation must for STP.
- Bring Behavioral Change in people to stop defecating in rivers

Ganga is the lifeline of Indian agrarian belt, it must be conserved.

Feedback(For OFFICE use only)

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Q.8) Discuss the role of CRPF in India's security apparatus. In the wake of recent attacks, highlight the new threats and challenges faced by these forces.

(10 Marks, 150 Words)

CRPF was set up as Brown's
representative force in 1938, and
was converted in CRPF after enactment
of CRPF Act 1948.

Role of CRPF in India's security apparatus

- 1) Riot Control -
- 2) Handling Insurgency & Terrorism. CRPF
is the largest paramilitary force
deployed in J&K.
- 3) Election Duty -
- 4) Protection to VIPs -
- 5) Border Handling LWE areas.

New Threats and Challenges faced

- 1) evolving nature of threats,
lone-wolf attacks.

- ② Lack of robust intelligence framework.
- ③ New technological threats, Ex IED.
- ④ Increasing radicalisation of youth
making facing of terrorists difficult.

Way Forward

- 1) P Chidambaram Committee : highlighted
that CRPF lacks a dedicated R&D wing.
It's important to deal with new threats.
- 2) Manpower Shortage : Increases workload
and compromises on training.

Thus, manpower and capacity augmentation key to CRPF's evolution
to face new challenges & ensure
internal security.

Feedback (For OFFICE use only)

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Q.9) What is beekeeping? Highlight the importance of beekeeping in agriculture and rural development.

(10 Marks, 150 Words)

Beekeeping is the science of
bee rearing for honey, bee-wax and
other purposes.

Importance of Beekeeping

- 1) Provides additional income to
farmers.
- 2) Diversification of farmers' income
sources through bee-wax,
honey etc.
- 3) Low cost-input.
- 4) Ecological balance: Bees act as
pollinators and aid pollination
of plants.

5) Recently, it has been observed that BEE POPULATION COLLAPSE has become a threat to pollination.

Way Forward

- 1) Government should support farmers to adopt beekeeping on their farms.
- 2) Training on bee-keeping should be provided through SHGs ~~do~~, FPOs etc.
- 3) Awareness of decreasing bee population should be spread.

Beekeeping can help in doubling farmers income and restore ecological balance as well.

Feedback (For OFFICE use only)

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