

Test Code: 21070

FIAS – MGP2019 – GS7C/R

ForumIAS

ACADEMY

GENERAL STUDIES

Name Of Candidate	Bishakha Jain		
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Mobile No.		Date:	8/3/2019

Time Allowed: Three Hours

Maximum Marks: 250

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

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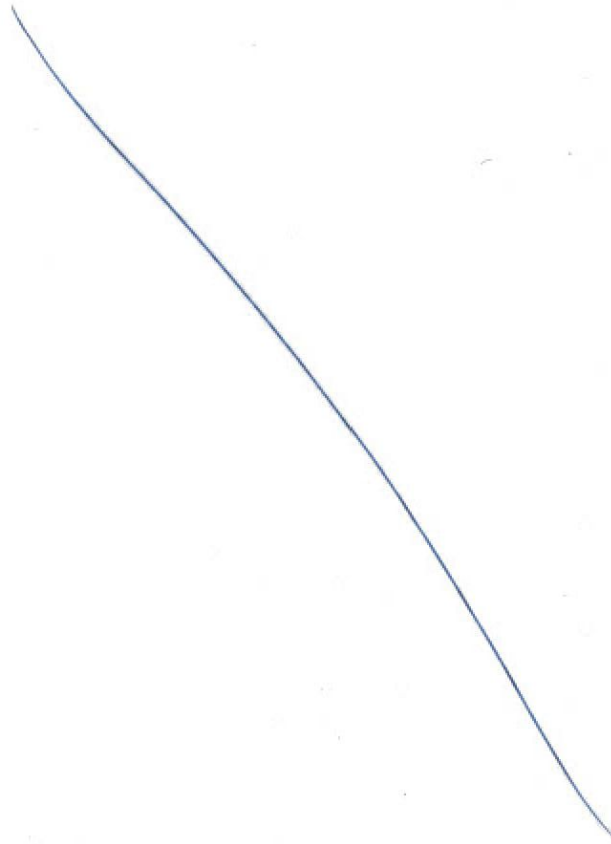
Parameters	Excellent	Very Good	Good	Average	Poor	Very Poor
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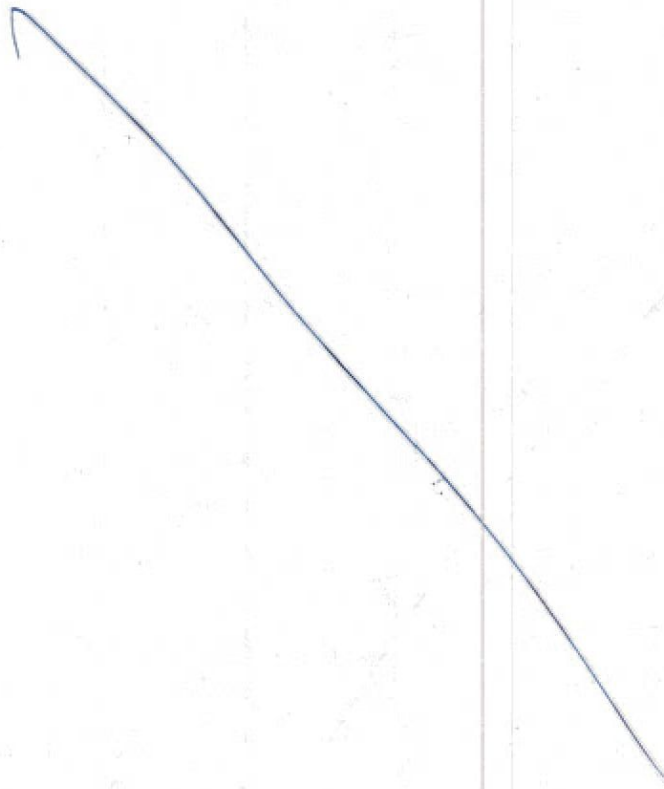
ADDITIONAL COMMENTS



Q.1) India and Israel have announced the "dawn of a new era" in their ties which goes beyond defence deals. Discuss.

(10 Marks/150 Words)





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Structure	
Question Interpretation	
Content	
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Q.2) What is Gene Therapy? What are its potential applications and risks?
(10 Marks/150 Words)

Gene Therapy is a area of biotechnology that aims ~~at~~ at curing disease by modifying genes using genome editing technology.

Ex: Removal of cancerous genes to fight cancer.

Potential of Gene Therapy

1) Cure hereditary problems like short height,

2) Cure medical abnormalities in products.

Ex: Treat mentally challenged fetus at early stage.

- 3) Provide relief to life taking and terminal diseases like Cancer.
- 4) Protect plants against inevitable threats from climate change
 Ex: Genetically Modified Bt Cotton.
- 5) Prevent extinction of various endangered species like Tiger.
- 6) Mutate genes to cope with calamities

Risks Involved

- 1) Ethical issues of ~~to~~ going for designer babies
- 2) Disturb order of Nature as happened in case of sex determination technology (reduce sex ratio against females)

Way forward:

Use with caution, ethically and responsible. Should be regulated as is UK.

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Question Interpretation		
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Q.3) The China Pakistan Economic Corridor (CPEC) is viewed as a cardinal subset of China's larger 'One Belt One Road' initiative. Give a brief description of CPEC and enumerate the reasons why India has distanced itself from the same.

(10 Marks/150 Words)

CPEC is one of the fundamental projects under OBOR, connecting Kashgar in China to Quaden in Pakistan.

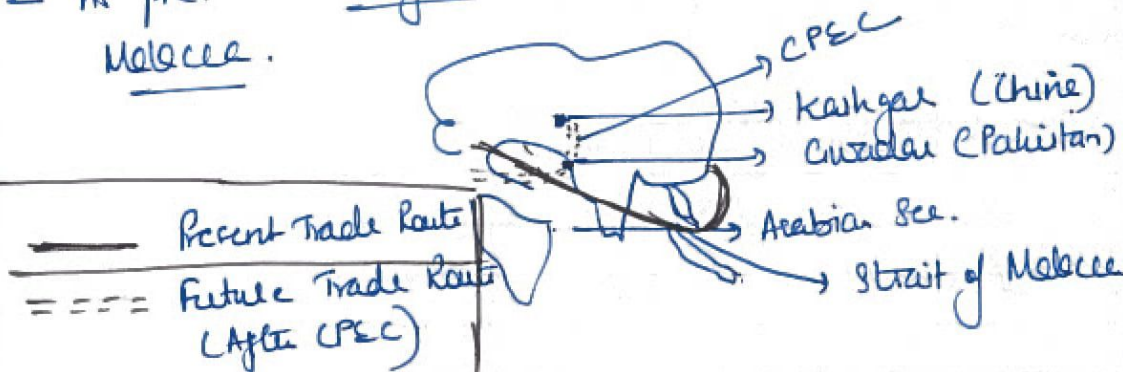
It encompasses the following:

- 1) Development of railways, highways and pipelines
- 2) Development of industries in the region
- 3) Development of Quaden Port.

It is considered cardinal because it

will:

- Give China access to Arabian Sea
- Reduce its trade route and cut time to import oil
- At present 80% of China's oil comes from strait of Malacca.



Reasons behind India Not joining CPEC

- 1) Issue of sovereignty
 → It passes through Pakistan Occupied Kashmir, without seeking India's permission.
- 2) Opaque in details
 → China is not transparent about details of project.
- 3) Wary of debt diplomacy.
 → Work is carried out using debt for China. Incapacity to repay will result in long term lease contracts (Hambantota case)
- 4) Part of String of Pearls, envisaged by China, to become a regional power
- 5) Not antagonize USA and deter China.

Way forward:

India should adopt the policy of collaborate - coexist - counter with China, based on its own national interest.

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Structure	
Question Interpretation	
Content	
Total	



Q.4) Technical solutions are necessary to augment and complement the traditional methods of border management. Critically discuss.

(10 Marks/150 Words)

Border Management, refers to comprehensive guarding, regulation and development of border areas to protect territorial integrity of the country.

Traditional Methods of Border Management

- 1) Manning and surveillance by security forces
- 2) Use of torches at night.
- 3) Fencing to prevent incursions and infiltrations
- 4) Border Check Posts to regulate along the border.
- 5) Patrolling along coastline by vessels

Inadequacy of traditional methods

- 1) Could not adequately protect insecure borders
- 2) Manned surveillance is not gapless
- 3) Torches provided escape routes like underground tunnels to infiltrate.

4) Fences could easily be crossed by suitable practice

Benefits of using Technology

1) As envisaged under comprehensive Border Management System, technology can provide layers of security

- ① Night Vision Radars - to detect intrusion and relay information
- ② Underground sensors and Monitors - Prevent Tunnel Crossing
- ③ Laser Walls (KAVACH series) - Automated alert system unlike fencing.
- ④ Flood lights at Night - Prevent escape in the dark
- ⑤ Thermal Images - Detect human presence from distance

② Coastal Surveillance Radars for maritime security

③ Floating Check Posts

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Structure	
Question Interpretation	
Content	
Total	



Q.5) Mindful of the power games and regional sensitivities, India needs an independent pragmatic policy towards West Asia, given her strengths and limitations. Comment. (10 Marks/150 Words)

West Asia is mired in power games and regional tussle wars as illustrated below:

- 1) Arab-Israeli conflict
- 2) Israel Palestine conflict
- 3) Shia Sunni conflict
- 4) Kurdish Movement of ~~the~~ Independence
- 5) Saudi-Iran conflict
- 6) Terrorist groups like ISIS
- 7) Foreign Intervention in most cases (especially USA, Russia, China)

Need for Independent Policy by India

1) To ensure energy security

	Import from OPEC
LPG	95%
Oil	85%
Natural Gas	75%

2) Protect its own diaspora.
Ex: Saudi Arabia and UAE account for highest nos. of Indians living abroad.

3) Promote its own industry and trade
Ex: UAE has invested 3bn USD to NIIF and committed another 75bn USD of investment.

4) Protect against radicalization and religious fundamentalism

Ex: ISIS propaganda

5) Counter China

Ex: Chester Port's Iran

6) Develop cooperation in national interest

Ex: MoU on Agriculture & Cyber security with Israel.

Based on its strengths — soft power, rich cultural heritage, skilled manpower, pharmaceutical excellence, medical science industry, India has successfully carved out its West Asia policy, that perfectly aligns with its National Interest

Feedback (For OFFICE use only)

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Question Interpretation	
Content	
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Q.6) The mismatch between SAARC's ambitions and achievements has been profound. With limited realisation of tangible economic or political benefits, performance of SAARC is a case of 'retarded regionalism'. Explain.

(10 Marks/150 Words)

SAARC was constituted in 1985 to promote regional growth and cooperation. But it has failed to deliver as shown by following:

- 1) Inter Regional trade in SAARC only 2% of countries total trade.
- 2) It's transit and connectivity projects has not taken off like Pakistan not allowing India and Afghanistan to trade
- 3) Political relations between countries ~~is~~ remains poor.
Ex: Nepal blockade of 2016, which made it incline towards China
- 4) Mired in Geopolitical Conflict between India and Pakistan
- 5) Accounts for 2nd largest number of terrorist attacks, after West Asia
- 6) ~~has~~ lowest HDI indicators, as per UNDP

However, SAARC has delivered certain limited results in terms of

- National knowledge Portal to promote digital education
- SAARC satellite launch by India
- BBIM corridor

However, in order to fully realize its potential SAARC members should

- Focus on ~~SAARC~~ SAARC - ~~the~~ Pakistan
- India should not play 'big brother' role
- Not interfere in political matters
- Fight against poverty.

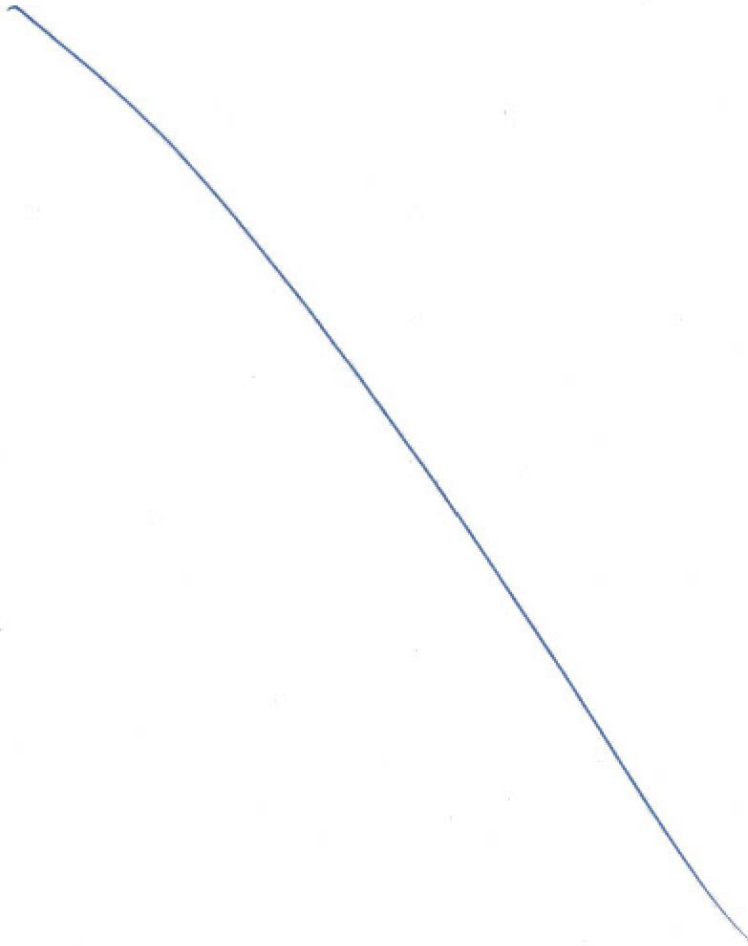
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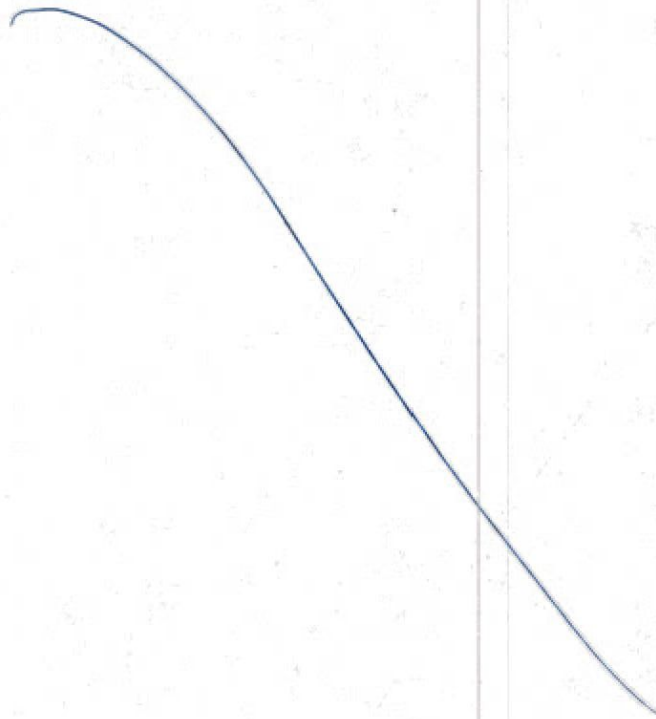
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Q.7) Unmanned Aerial Vehicles are growingly used in various aspects of military and civilian domain. In this light, examine the Drone policy and its impact on the regulatory framework.

(10 Marks/150 Words)





Feedback(For OFFICE use only)

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Q.8) In the wake of the rising cyber-security related threats in India, highlight the measures taken so far by the government of India.

(10 Marks/150 Words)

As per CEEM-INT data, India faced 1,44,496 cyber attacks between 2014-16. Further, as per Internet Security Threat Report (ISTR), India is third most vulnerable country to cyber crimes.

In this light, govt has taken following steps:

- 1) Institution of IAC (Indian Cyber Crime Coordination Centre) at national level for intelligence database
- 2) States have been asked to develop state and district level centres to raise alerts, keep track of leads and evidences and support law enforcement agencies

- 3) Creation of Cyber Warriors Police Force (CWPF) by Min of home affairs to deal with online stalking, pornography, frauds etc
- 4) ~~None~~ Issuance of Cyber Security Policy 2016 for comprehensive protection to computers, data & networks
- 5) National Critical Information Infrastructure Protection Centre (NCIIPC) under NITRO for CII protection
- 6) Inauguration of Cyber Crime Forensic Lab's Delhi

Way Forward :

- Capacity Building
- Incident Response

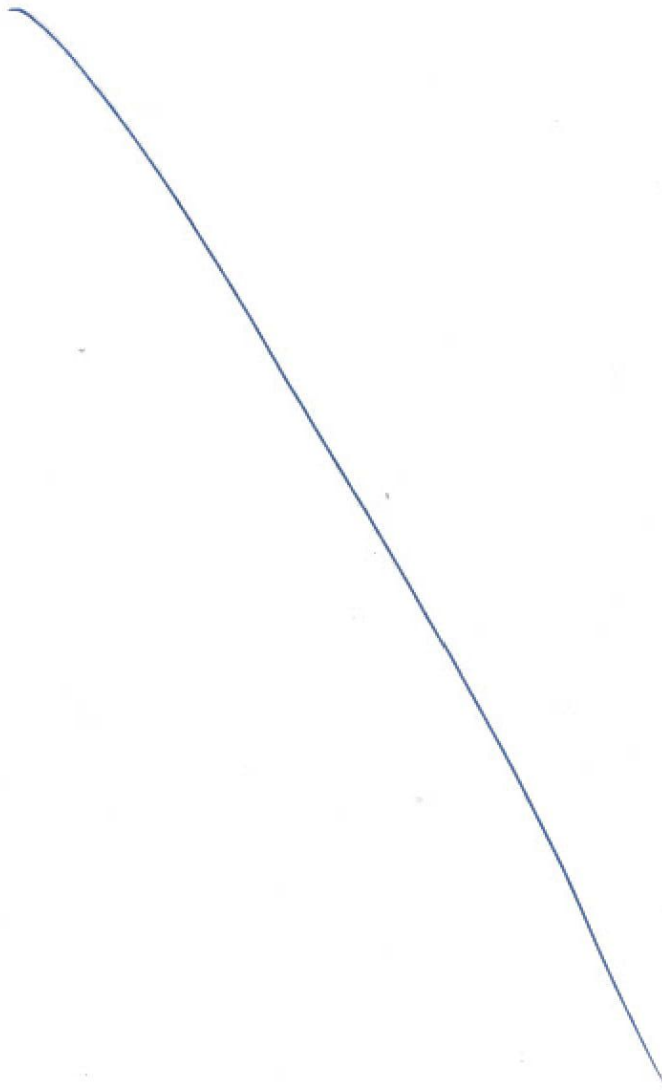
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Q.9) What is Free Space Optical Communication (FSOC) technology? Discuss its merits and challenges.

(10 Marks/150 Words)





Feedback(For OFFICE use only)

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