

Test Code: 21092

FIAS – 2019 – GS3E/23B/15C

ForumIAS ACADEMY		GENERAL STUDIES	
Name Of Candidate		Jayant Nahata	
Email Id.		Roll No.	1910040535
Mobile No.		Date:	23/8/19

Time Allowed: Three Hours

Maximum Marks: 250

INDEX TABLE			INSTRUCTION
Q. No.	Max. Marks	Marks Obtained	<p>1. Please do furnish Name, Email, Roll No and Mobile in the answer sheet.</p> <p>2. There are TWENTY questions printed in ENGLISH, all questions are compulsory.</p> <p>3. The number of marks carried by a question/part is indicated against it.</p> <p>4. 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>5. Word limit in questions, if specified, should be adhered to. Any page or portion of the page left blank in the Question-Cum Answer Booklet must be clearly Struck off.</p> <p><i>Any specific messages for ForumIAS Mentors/Evaluators with respect to your copy? Write it here.</i></p> <p>-----</p> <p>-----</p> <p>-----</p> <p>-----</p> <p>-----</p>
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
Total Marks:			
Remarks:			Start Time 9:25
			End Time 12:29
			Mode Of Examination : Online <input checked="" type="checkbox"/> Offline <input type="checkbox"/>
			ECN CODE:
			Evaluation Date:

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

ADDITIONAL COMMENTS



Q.1) United Nations had promulgated the UN Decade of Action targeting to reduce road accidents by 50% by the year 2020. In this light, evaluate how far can the recent amendments in the Motor Vehicle Act, 1988 be able to prevent accidental deaths on Indian roads? (10 Marks, 150 Words)

India accounts for one of the highest road accident fatalities with ~ 6 lakh deaths annually (Ministry of Road Transport)

The UN Decade of Action has prompted serious measures by the government in this regard.

Amendments in the Motor Vehicles Act, 1988

* Increased penalties for several cases:

- ⇒ 1.1 Not wearing a seat belt
- 1.2 Drinking and driving.
- 1.3 Child (minor) driving and engaged in accident.

* The penalties include revocation of

license or suspension and finer have been increased substantially.

Ex) Child engaged in accident → The guardians will be arrested.

- * There's online driving license test
- * Linking of Aadhaar to licenses.

Amendments will help

- ① finer / license suspension acts as deterrent
- ② Curb corruption and touts
- ③ Regional transport offices to be public service oriented.

Amendments not enough

- ① Online license test can be faked (maybe)
- ② Increased penalties can also breed corruption and decrease compliance

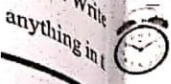
Thus, the steps are in right-direction but attention to be paid to use of technology such as air tags in cars.

Feedback (For OFFICE use only)

Structure		Content	
Question Interpretation		Total :	

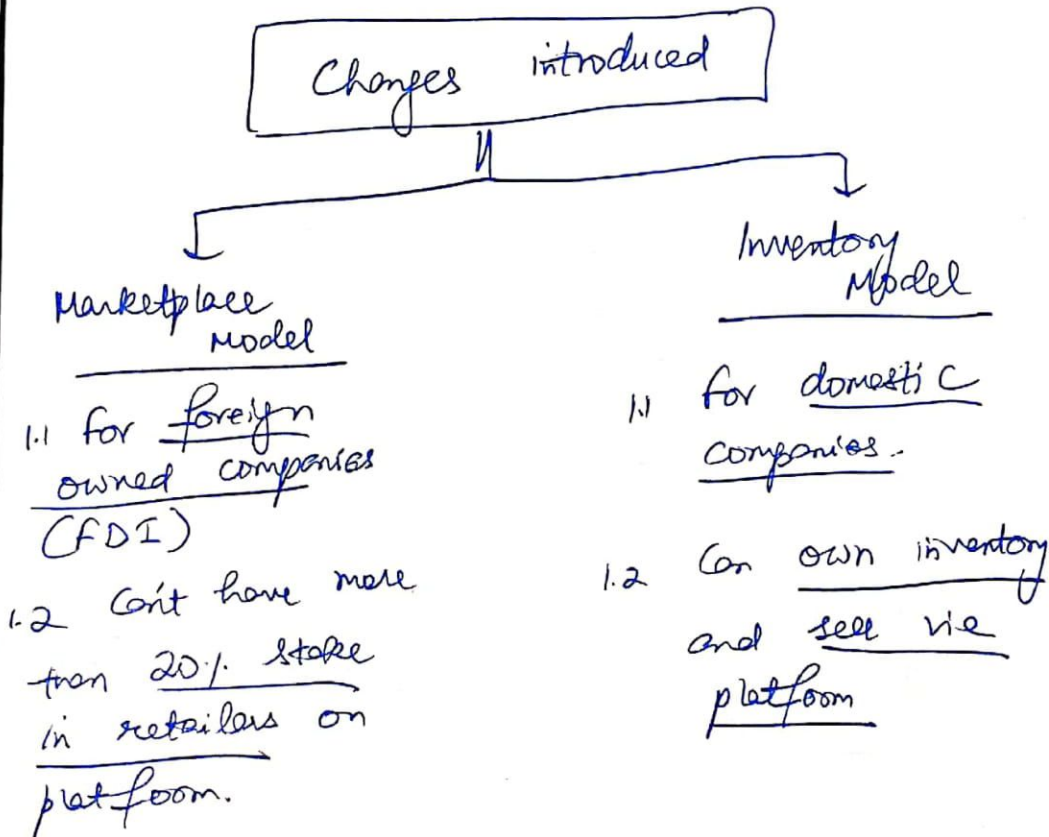
Call us: 011-49878625, 9821711605
 Blog : blog.forumias.com

Visit us : www.forumias.com
 Email : student@forumias.academy



Q.2) Examine recent changes in the E-commerce policy of the government of India and its impact on e-commerce space. (10 Marks, 150 Words)

The government has recently pronounced significant changes in E-commerce such as delineating marketplace model and inventory model. Given the huge scope of \$200bn of E-commerce by 2020 (BCG report), the amendments are significant.



ForumIAS

1.3 No exclusive selling arrangements.

1.4 No deep discounting

1.3 Similar changes to exclusive selling and deep discounting

Positive Impact

- ① Help domestic brick and mortar stores to fend off unfair competition.
- ② FDI rules to be adhered to.
- ③ Domestic E-commerce companies can proliferate.
- ④ Higher taxation and job creation.

Negative Impacts

- Investor sentiment hit.
- Companies like Walmart which invested in flipkart feel cheated.
- Less competition
- Consumer gets less discounts

The changes announced were just reiteration of earlier rules for the balance of competition, investment and fairness.

Feedback (For OFFICE use only)

Structure		Content	
Question Interpretation		Total :	



Q.3) "If APMCs do not reform themselves, they will soon become obsolete." Comment. Also, highlight the government interventions in this regard.

(10 Marks, 150 Words)

Agriculture Produce Marketing Committees (APMCs) are market areas where farmers are required to sell their produce first.

Issues with APMCs

- ① High license fees and corruption
- ② Multiple levies across APMCs in a single state.
- ③ Cartelization by middlemen to subdue prices by farmers.
- ④ Lack of infrastructure for grading, sorting and processing
- ⑤ Huge politicization and nexus.
- ⑥ Contract farming face hindrances and perishables go waste.

Reforms needed by APMCs

- ① Nation wide inter-connection to smoothen intra- and inter-state trade
- ② Infrastructure upgrades
 - Sorting
 - grading.
 - ICT
- ③ Uniform license fees and cap on it.
- ④ Contract farming (Permissible out of mandate)

Government interventions

- ① Agriculture Produce and Livestock Management Act, 2017 (Mode) Bill
 - 1.1 Proposes uniform license and caps fees.
 - 1.2 Provisions for relaxation to contract farming.
- ② E-NAM for S60 APMC connection.
- ③ e-tokam portal
- ④ Maharashtra and Bihar have ended APMC itself,
~~the~~ this shows they need to reform, else become obsolete

Feedback (For OFFICE use only)

Structure		Content	
Question Interpretation		Total :	

Call us : 011-49878625, 9821711605
 Blog : blog.forumias.com

Visit us : www.forumias.com
 Email : student@forumias.academy

Q.4) Discuss the importance of micro irrigation in enhancing water use efficiency in agriculture in India with special focus on dryland agriculture.

35880_21092_1910040535_(2019-08-23 18:10:20)

(10 Marks, 150 Words)

Micro-irrigation refers to the water application technique involving near-root drip water via network of pipes and pumps.

Importance of micro-irrigation in water-use efficiency in agriculture

① Agriculture consumes 76% of all water in India → Urgent need to use micro-irrigation.

② Water-use efficiency via canals or is low due to surface evaporation
• Spillage
• Percolation

③ Tubewell and tanks are inefficient in water application with evaporation of water.

- ④ Micro-irrigation such as drip irrigation or micro-sprinklers will help.
 - 4.1 Direct on-point water application
 - 4.2 Reduced evaporation losses
 - 4.3 Fertiliser and water efficiently used
 - 4.4 and soil salinisation

Micro-irrigation in dryland agriculture

- ① Dry land agriculture involving areas with rain-fed sources of irrigation
- ② Micro-irrigation can reduce water use requirements substantially.
- ③ Can be connected to tanks, bawlis, phad systems of traditional irrigation.

India needs to expand micro-irrigation. Recent, India - Israel agriculture cooperation can help India learn best practices.

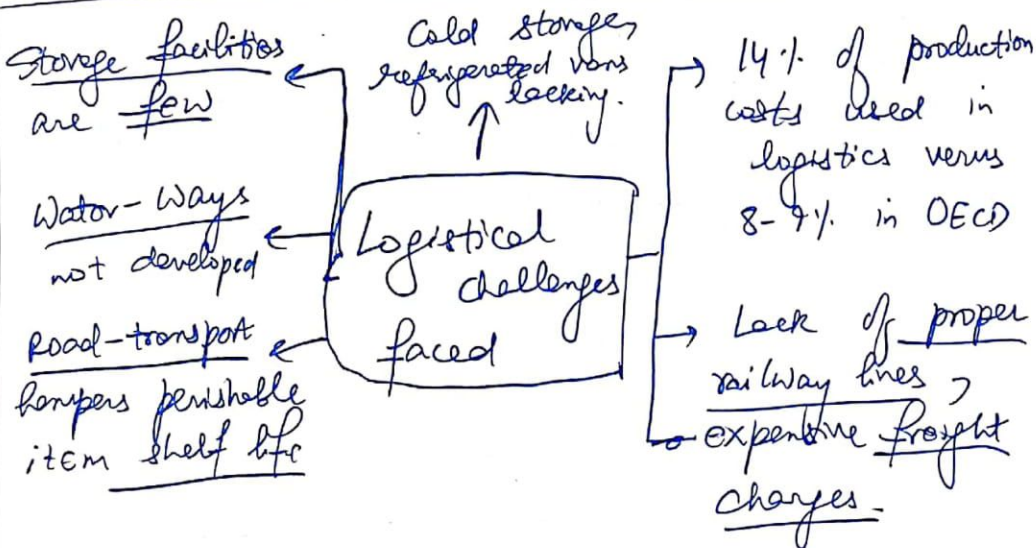
Feedback (For OFFICE use only)

Structure		Content	
Question Interpretation		Total :	

Q.5) The food processing industry is affected by logistical challenges. How can the contract farming provide a sustainable solution to this problem?

(10 Marks, 150 Words)

The food processing industry involves storage, processing, waxing, irradiation etc to convert farm-gate raw products into value-added commodities.



Contract farming as sustainable solution

① Super-markets and corporates deal in end to end procurement → processing → marketing

ForumIAS

- ② Use of ICT and map management techniques.
- ③ Investments in cold storage, refrigerated vans, primary collection centres and primary processing centres
- ④ Cluster-based processing facilities
- ⑤ Advanced, bulk purchases by farm farmers to predict supply.

Challenges such as subdued private investment in the economy, lack of corporate interest, ease of doing business more prospects. Government needs to engage in PPP model and reform logistical infrastructure such as inland waterways.

Feedback (For OFFICE use only)

Structure		Content	
Question Interpretation		Total :	

Q.6) Highlight the advantages and limitations of lithium ion battery. Discuss the environmental concerns associated with lithium ion batteries.

(10 Marks, 150 Words)

Lithium-ion (Li-ion) batteries are important in India's electric mobility aims for 30% Electric vehicles by 2030.

Advantages of Li-Ion batteries

- ① High capacitance and charge storage
- ② High charge-discharge cycles
- ③ Large energy density as compared to acid batteries etc,
- ④ Safe storage and use
- ⑤ Compact size

Limitations

- ① Imports dependence of India from

China, Latin America etc.

② Chances of explosion in tough use conditions.

③ Environmental concerns

Environmental concerns

① Toxic mining processes → Release GHG emissions.
↳ hazardous leachate

② Disposal of Li-Ion → landfill overflowing
→ Recycling difficult.

③ Recycling infrastructure and technology not developed

Thus, further research and development to make Li-Ion safe for use and disposal needs to be done.

Feedback (For OFFICE use only)

Structure		Content	
Question Interpretation		Total :	

Q.7) What is GDP deflator? Should GDP deflator be the anchor for inflation rather than CPI and WPI ?

(10 Marks, 150 Words)

GDP deflator refers to the numeric factor which is used to compute real GDP from nominal GDP.

$$\text{GDP deflator} = \frac{\text{Nominal GDP}}{\text{Real GDP}}$$

Advantages of GDP deflator over CPI/WPI

- ① Unlike WPI, it includes all services apart from goods in calculation.
- ② Takes into account a wider basket of goods and services than either CPI/WPI.

ForumIAS

③ Accounts for inflation in the economy also like CPI.

It shouldn't be the anchor

① CPI can account for inflation as felt by consumers directly

② CPI can be accounted for Core inflation after removing food and fuel prices which are volatile.

③ WPI has advantage for checking wholesale bulk pricing and inflation.

Thus, benefits of service inclusion and wider basket of GDP deflator can be incorporated in a new metric such as purchaser's price index.
recently in news (CN Golden Panel) CPPI.

Feedback (For OFFICE use only)

Structure		Content	
Question Interpretation		Total :	

Call us: 011-49878625, 9821711605
Blog : blog.forumias.com

Visit us : www.forumias.com
Email : student@forumias.academy

Q.8) What do you understand by Kessler effect? What is its effect on Low Earth Orbital objects?
(10 Marks, 150 Words)

Kessler effects are phenomena influencing low earth orbital objects such as space satellites, international space stations, observation platforms etc.

The space debris increasing in earth's orbits forms part of Kessler effect.

Effects on Low Earth Orbital objects

- ① Danger to disruption of satellites
- ② Physical damage to satellite components
like solar panels (which are wider)
with large surface areas.

③ Damage to space based communication
remote sensing -

④ Human life on ISS (space station)
can be jeopardised.

Thus, need is for better research
on its ~~of~~ Kessler effect and removing
space debris eg. Harpoon project (U.K)

Feedback (For OFFICE use only)

Structure		Content	
Question Interpretation		Total :	

Call us: 011-49878625, 9821711605
Blog : blog.forumias.com

Visit us : www.forumias.com
Email : student@forumias.academy

ForumIAS

Q.9) Non-banking financial companies (NBFCs), although an agent of financial inclusion at the grassroots level, increases systemic vulnerabilities many fold. Analyse.

(10 Marks, 150 Words)

NBFCs are companies registered under Companies Act, 2013 engaged in non-banking activities like loans to infrastructure, leasing, hire, purchase of government securities etc.

Agents of financial inclusion

- ① 60% of credit uptake in 2017-18
via NBFC channels.
- ② Mobilize domestic savings into long term infrastructure projects
- ③ Lending to MSMEs and refinancing -
- ④ Bring in investments from foreign institutional players and lend at cheaper rates.

⑤ Diversified offerings of savings and public deposits increases financial inclusion

Increases systemic vulnerabilities

The recent IL&FS crisis indicates this very well

① Public sector banks, insurance and pension funds remain large shareholders in NBFCs

② Systemically important NBFCs manage more than 500 crore of finances

③ Public deposits channeled into long term infrastructure projects, MSMEs → Increased risks

④ Asset-liability mismatch, lack of asset quality review and multiple regulatory bodies increases risks.

Thus, need is for asset quality review, (FSLRT) recommendation of risk management agency etc.

Feedback (For OFFICE use only)

Structure		Content	
Question Interpretation		Total :	