Next IAS ID: MT23FLTON014, TC007, 23-08-2023 01:45 PM

(For filling by Examiners only)

Evaluator Code :

Q.No	Pg No.	Maximum Marks	Marks	Total
1	1			
2	3			
3	5			
4	7			
5	9			
6	11			
7	13			
8	15			
9	17			
10	19			
11	21			
12	24			
13	27			
14	30			
15	33			
16	36			
17	39			
18	42			
19	45			
20	48			
Grand Total				

Signature

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MACRO COMMENTS

(Please do not write anything except the question number in this space) कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

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उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए, Candidates must not write on this margin

1- Balance of Payment provides the adequate picture of nation finances and shapes fiscal policy to ensure fiscal consolidation and discipline.

Differences

Capital account	Current account
i) It brings in changes in asset-liability structure	It doesn't account changes in assets structure
ii) The measure of investment in creating capital and long term	The measure of investment in short and urgent expenses.
iii) It accounts FDI and FII	It accounts foreign loans, remittances
iv) Not full currency convertibility	100% currency convertibility allowed
v) Generally less volatile and long impact.	More volatile and impact currency. Valuation

Please do not write anything except the question number in this space) कृप्या इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

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Measures to balance BOP deficit

i) Strengthening currency by monetary policy measures to reduce its depriciation to tolerance limit

ii) Bibek Debroy stated role of Ease of doing business environment to attract capital investment over current

iii) The need for strengthening import policy as NITI Aayog suggested against anti-dumping measure against China

iv) Kirit Parekh report stated widening and revising oil prices so as to resolve excessive imports challenges

Thus balancing BoP is necessary for international credibility.

(Please do not write anything except the question number in this space) कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

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उम्मीदवारों को इस शीर्षक में नहीं लिखना चाहिए Candidates must not write on this margin

2- Recent World Bank logistic report ranked India 38th and stated logistic accounts 14% of GDP compare to developed nation where 8% of GDP.

Important Component

i) It creates adequate backward and forward linkages like in food processing sector

ii) It highlights product competitiveness by packaging aesthetics and timely delivery

iii) Raghuram Rajan stated logistic in China ensured easy market reach and hence great acceptability

iv) It helps in preserving actual quality with proper supply chain management.

NEXT IAS

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Components of National Logistic Policy

i) From Compartmental to Comprehensive coverage through means like PM Gati Shakti

ii) The integration with National Infrastructure pipeline to ensure time bound fund allocation

iii) Warehousing receipts for improving storage facility and development

iv) Packaging linkage for securitizing packet and better qualitative trade.

v) Reducing transportation cost and widening from road (currently 60%).

Thus it provides comprehensive scope for logistic development.

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3- In the backdrop of excessive support and distortionary practice in marine sector, fisheries subsidy are under new consideration by WTO.

India's stand :-

i) It criticized the WTO stand as benefitting developed nation, who have technological advancement.

ii) The antithetical nature towards soverign rights toward supporting population of fisherman

iii) The qualitative restriction amounts for inappropriate trade sanctions and promotes trade imbalance

iv) The WTO system fails to accounts geographical condetions are in Tropical region have more diverse and low practices due technological differene.

NEXT IAS

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उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए Candidates must not write on this margin

Significance of fisheries sector

i) The provising service provided as economic importance to fishermen family and coastal economy.

ii) The nutritional requirements due to proteins and adequate minerals.

iii) The cultural significance for tourism due sea food and act as "Prasad" for many religious groups.

Steps taken

i) PM Matsya Sampada Yojana to account support and sustainable practice

ii) RFID and technological fitting in boats to prevent crossing of international route

iii) Creating linkage towards food processing industry and advocating sustainable aquaculture.

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उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए Candidates must not write on this margin

4- Land reforms were taken post Independence to reverse exploitative British land policy.

cooperative culture

Components → Ending Intermediaries
Components → Tenancy reform
Components → Land redistribution

Constraints in land reform

I) Systematic challenge lies due to distortionary practice by bogus land transfer and misusing litigation in courts

II) Institutional constraint lies in bureaucratic apathy, poor technology usage and religional differences

III) Bhoman study from patronage to exploitation stated low appropriate means for tenants lead to huge footloose labour and bonded labour

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IV) Kumarappa Committee stated that land redistribution failed to account qualitative aspect and fragmentation challenges.

Pragmatic solution

I) NITI Aayog stated conclusive land titling to resolve land based conflict

II) Utilization of technology like drones, GPS for land evaluation and distributive justice

III) Accounting e-governance means like Karnataka Bhoomi portal

IV) The need to revamp Cooperative culture for Sahakar Se Samridhi

M.S. Swaminathan called it as unfinished agenda and need prior focus

(Please do not write anything except the question number in this space) कृपया इस स्थान में प्रश्न संख्या के अतिरिक्त कुछ न लिखें।

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5- Brahmos supersonic missile is stated by DRDO as symbol of Atmanirbhar Bharat entering to its Amrit Kaal with Make In India spirit.

Unique features and capability:-

i) The high range of 500 KM can help in inter-continental utilization

ii) The cruise controlled mechanism for better flight controlled

iii) The capacity for low flight, thus overcoming RADAR challenge.

iv) The supersonic speed of Mach Number of 2 to 3 stating its high speed and precise usage

v) Self-destruction means for last minute cancellation of attack.

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उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए Candidates must not write on this margin

Contribution in India's defence

I) The capability of 'Make In India for world' as Indonesia shown interest for purchase

II) SIPRI report stated its potential for increasing Indian export capacity due to its qualitative benefits.

III) The strategic importance as it can be useful in mitigating border challenge in disturbed neighbourhood

IV) The controlled mechanism provide its capability for planned and targeted benefit to India

Thus Indian defence modernization and potential is enlarged by Brahmos missile.

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6- In recent times, India has extended its contract for deep sea mining from International Seabed alliance for Indian Ocean.

Importance of Samudrayaan mission

i) Ministry of Earth Science stated its utility in identifying key location for extracting polymetallic nodules.

ii) The three prime target of exploration polymetallic nodule, cobalt nodule on guyots and polymetallic sulphides for Indian energy requirement.

iii) The potential of extracting rare earth metal from continental shelf and fulfilling aspiration of National Semiconductor mission.

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उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए Candidates must not write on this margin

iv) The significance towards India's aspiration of blue economy and harnessing potential for development

Challenges

i) The low technological advancement

ii) Poor collaboration with champion nation like Germany, Japan etc.

iii) The impacts on environment and marine life due minning.

Way forward

i) Integrating sustainable minning orientation with the mission

ii) Taking collaborative approach in the success of mission

iii) Improving industria-academia linkage for better advanced preparatio

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7- In the context of methane being second most populant with great pollution potential, the need lies in arresting its harmful consequences.

Global Methane Pledge

i) The international collaboration to arrest methane emission by 50%

ii) It aims for creating sufficient storage and capture mechanism

iii) The change in practices especially in agriculture towards climate smart.

Positive step :-

i) It aims for financial management towards arresting methane

ii) The circular economy by using methane in green means like

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methanol blending, biogas production etc

iii) The adequate changes in nature of practice with technological means.

India's stance :-

i) India has blamed technological differences and means by developed nation to not aid developing nation by sanctions and limitation.

ii) India being agrarian nation aimed that such pledge be based on more step wise approach rather aggressive target driven means

iii) It fails to ensure emphasis towards transition by fund transfer.

Thus India's approach will be self based on piecemeal approach.

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8- The emergence of new disasters and changing frequency of black swarn events, needs to emphasis on disaster management system.

Covid-19 role :-

i) It advocated need for adequate preparedness like in hospital and oxygen requirements

ii) The need for adaptative skills like social distancing and wearing mask

iii) The mitigation efforts through scientific means like vaccine and using digital means Jan Aarogya app.

iv) The reconstruction and relief to marginalized section through free vaccine and sanitation drives.

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Mass Challenges in disease pandemic

I) Lack of established procedure under NDMA guidelines for standard operation

II) Low public awareness and rapid spread needing fast action.

III) The high risk and vulnerability due to low medicinal preparedness

IV) The challenge of low global understanding and mechanism to control

Way forward

I) WHO stated the need for adequate research in establishing standard controlling mechanism

II) India's effort like fastening medical research and means like Vaccine Maitri

Thus global collaboration is needed in this aspect.

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9- The prevalence of left Wing extremism in red corridor area and ~~North~~ & in energy rich area highlights great linkage between resource-LWE.

Causes:-

i) The study "Hello Bastar" by Pandita stated that rich resources provide fertile ground for organized crime groups.

ii) The easy supply of arms, ammunition and counterfeit currency in the region

iii) The easy and hindered topography give advantage of guerilla warfare

iv) Lack of development induced LWE serve as fertile ground for mass mobilizati

v) The assimilist tendency by state, lead to lack of faith amongst naxal.

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Measures needed

i) The report by Ministry of Home Affairs highlighted central need of development and law and order as two pronged strategy.

ii) The specialized efforts like Andhra Pradesh Grey Hounds.

iii) The policy based on SAMADHAN approach and rehabilitation over arms surrender nature

iv) Taking developmental efforts under Rashtriya Sadak Abhiyan and social development like Eklavya School

v) Bureaucratic means like O.P. Chaudhary Chu loo Aasman.

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10- The formulation of AFSPA act was envisaged to prevent terror activities and restore regional peace in disturbed region of North East and JBK

AFSPA benefit

I) Ministry of Home affairs stated 29% reduction of violene in JBK in 2019 from 2017 level.

II) The adequate efforts in carrying out development activities like building roads by BRO and bridge like boer bridge.

III) The building of public trust and establishing peace accords like Naga peace accords

IV) Conducting effective control and

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collateral damage minimization by coordinating with intelligence

Challenges

i) Low public faith due excessive violence

ii) Fail to account issues like over-ground worker and fundamental elements in Kashmir

iii) The issue of porous border leading to illegal brafickking prevalent due golden triangle and golden crescant

iv) The unaccounted violence leads to misuse of authority

Thus stepwise withdrawl of AFSPA be taken up.

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11- The recent challenges due Covid-19 leading to Taper Tantrum and increase dollar volatility, has provided opportunity for internationalization of rupee.

Dominant currency paradigm :-

i) World Bank stated dominant currency is based on low volatility in trade valuation and thus greater accessibility

ii) IMF observed dominant currency is based on financial faith like USA dollar enjoys due stable regime

iii) The dual importance based on supply and demand side ensure that trade is not impacted

iv) The easy currency convertibility and acceptability at International trade like USA dollar

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Importance of hard currency :-

i) It act as guarantee to the receiver to and hence liability on the end of giving entity

ii) The easy transaction and means for market acceptance

iii) More inclusive mean, as there exist digital divide.

Challenges :-

i) The low interest earning capacity and need infrastructure for storage

ii) The depriciating and volatile mechanism based on market dimensions

iii) The benefit lies to country of origin and hence can manipulate market

iv) The slow transaction speed and need cost for maintainence

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Potential of Rupee acceptance :-

i) The recent efforts taken like SWIFT mechanism and Vostro-Nostro account

ii) Deloitte report on 'Indian Outlook highlighted potential of India due to its inflationary control success in Covid-19.

iii) The increasing global accessibility like in Russia (oil trade), Sri-Lanka and now UAE.

iv) The global responsible nature advocated in International affairs and stable political regime

Thus internationalization of Rupee holds great importance for India's foreign export oriented aspiration.

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12- Demographic dividend is the measure of working population in the age bracket of 15-59 years, which signifies latent benefit due huge employable potential.

Not growth but potential :-

i) World Bank Report on study of two Korea observed that despite both having similar demography led to contrasting economic development

ii) The distance between dividend and disaster depends on social capital as stated by Amartya Sen in argumentative India

iii) The McKenzie Report stated the role of employability of demography plays vital role

iv) The social-economic conditions like

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poverty, social exclusion can limit prospects like in North African nations

Steps by Government

i) Social development

↳ Health: PM Jan Aarogya Yojana, Matru Vandana Yojana

↳ Education: New Education Policy, 2020

↳ Skill: PM Kaushal Vikas Yojana 4.0

ii) Economic

↳ Financial support through PM KISAN

↳ Inclusion through JAM TRINITY.

↳ The increase capital expenditure by 37% for Amrit Kaal

↳ Means like National Investment pipeline

iii) Political

↳ The e-governance system to reduce exclusion-inclusion error

↳ Political support like SAMADHAN in naxal area

↳ Efforts towards decentralization.

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Way forward

I) Kelkar Committee stated that revitalization of public-private partnership for employment opportunity

II) NITI Aayog stated demographic benefit can be reap by reducing multi-dimensional poverty.

III) Amartya Sen Capability approach for better employability due social development

IV) The paradigm shift towards Atmanirbhar Bharat through job creating and Make In India

Thus it will help in demographic success of India.

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13 - Genome editing is based on identification modification and monitoring of genetic changes, so as to reconstruct healthier and more potent genetic code

Immense potential

i) The success story seen in GM crop like BT-cotton for increasing productivity and export potential.

ii) Department of Biotechnology shown potential to resolve hidden hunger by food fortification and adding minerals.

iii) Indian Council of Agriculture Research stated its potential in climate smart agriculture by making genetic changes for greater heat tolerance

iv) The benefit in preventing crop

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wastage by pest attacks and minimize use of pesticide as shown in field work of BT-Mustard.

Raises ethical and safety concern

i) The ethical concern due to seed availability as BT-Cotton seeds need to be purchased everytime

ii) The genetic manipulation can have unintended consequences on survival and future prospects.

iii) The safety due to low data on impacts on consumer and natural biodiversity

iv) The concern related to microbes and emerging new bacterial problems due erratic editing.

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New guidelines analysis :-

1) The increasing focus on field trials and prior holistic analysis can build better public confidence

11) The focus on study of impact in nearby surrounding and other biodiversity by genetic monitoring

111) The better and precise testing on genetic markup of Indian population before market launch

IV) Strengthening regulatory framework and role of FSSAI for conducting research work

Thus step wise approach and largely on non-consumable items holds the future.

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14- The subsidies in agriculture sector are not only important to resolve agrarian distress but also providing support for doubling farmers income.

Impact of subsidy

Direct	Indirect
i) Reduce leakage due to bank transfer like PM Kisan	The problem of leakage like in fertilizer subsidy due no denial policy
ii) Efforts to reduce distortion by means like soil health card	High distortion and misutilization for vested interest
iii) The non-regressive nature due fixed cost	iii) The regressive nature benefitting more large farmers and leading to inequality
iv) International acceptance under WTO norms	Amber box nature and hence criticized like MSP.

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Positive impact of MSP

i) The effective market price realization through A2+FL formula

ii) The direct consequence on achieving self-sufficiency and goals under National food security act

iii) The better financial support to farmer and securing their economic interest

Negative Impact

i) It leads to distortion in cropping pattern due wheat-rice monocropping

ii) Vandana Shiva study of "Seeds of suicide" stated consequences like diabetes and hidden hunger due low diversification of agriculture

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iii) Rudolph "bullock capital" study stated class discrimination and exclusion of small and marginal farmers

iv) The exclusion of farmers further led to agrarian distress and emerging problem of farmer suicide.

Way forward

i) MS Swaminathan stated need for diversification and continuous inclusion-exclusion of crops

ii) Ashok Gulati stated that MSP needs to be revisited and allowing private partnership for better crop management

iii) Seeking agriculture extension services for improving productivity.

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15- In the backdrop of increasing consumption of anti-biotics, WHO stated that anti-microbial resistance can be new pandemic in upcoming times.

AMR escalating threat :-

i) The continuous increase in quantum of drug has greater vulnerability to side-effects like drowsiness and bio-accumulation

ii) The direct consequence seen in form of increasing microbial load and intensity due miss appropriate usage

iii) Case study of TB with emerging extreme line of medicine highlights role of medicine in strengthening spread and impact of diseases like tuberculosis

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IV) The impact on other fauna and flora, due to ineffective and evaluative treatment like raising citrus cancer in citric foods

V) The emergence of new strains and becoming more deadly variants.

Major factors

I) Inappropriate practice and culture of Chemist prescription

II) The huge out of pocket expenditure leading to self-opting medicine.

III) WHO highlighted "paracetamol culture" and lack of time to antibodies for self-fight.

IV) The improper drug management and monitoring formulae to optimum levels.

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Steps to be taken

i) The responsible medical ethics be ensured by pharmacist and doctors towards judicious treatment

ii) The market controlled mechanism by Drug Controller agency for checking sell and usage.

iii) The proper disposal of medical wastage

iv) The lifestyle changes based on Eat Right movement and LIFE Campaign

v) The market regulation and mandatory doctor prescription.

Thus adequate efforts is necessary for appropriate drug usage.

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16- Disruptive technology are often seen as future emerging means based on reverse engineering and excessive benefit extraction

Disruptive Innovation

i) The futuristic technology having wide application like metaverse that can provide virtual reality based education

ii) The extended reality to carry out simulation and improve technology like Carla Simulators for developing autonomous cars.

iii) The changes across pattern of interaction like generative AI with huge research potential.

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iv) The new mechanism like shown by click chemistry for changing complicated reaction like making ammonia, to more speed and accurate reaction

v) The greater inclusive technology through robotics and drones system like in surveillance, defence and combating situation.

vi) The innovative across field of space like James Webb telescope to efficiently study solar surface.

vii) The intersectional approach by many technologies towards precision agriculture

viii) The future prospect of quantum technology and nanotechnology by

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bringing substantial development from atomic level like gold nano particle for technical textiles.

ix) The futuristic modification through genome editing can be seen as designer baby.

x) The changes in industrial operation towards more decentralized and connecting work through blockchain and edge computing.

Thus future prospect lies in disruptive innovation and thus India can take significant strive in it to emerge as new global science centre.

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17- The recent COP-27 in Egypt envisaged on creating loss and damage fund as means for climate repatriation and climate justice.

Evolution of loss and damage fund

i) In COP-15, Paris, it was found that due historic factors largely accounting Industrial Revolution had led to irreversible climatic change and consequence

ii) The Paris Agreement thereby envisage to limit global warming to 2°C by 2100

iii) In this regard, the two section developed nation, who got first mover advantage must now provide climate repatriation to developing nation for effective transition.

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iv) In COP-21, the future fund corpus by contribution of developed nation of $1000 billion be made for global support for historic damage and transition

v) This had earlier been indirectly advocated through Kyoto Protocol and COP of UNFCCC by technology transfer

Major development in COP-27

i) The revisit of revamping this fund with Germany highlighting its willingness

ii) The efforts towards adaptive development and cooling techniques through such funds

iii) The use of fund to advocate new means like Koronivia agriculture

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Commitment by India in conference

i) The LIFE Campaign which envisaged on changing at grassroot level in lifestyle and choices

ii) The breakthrough agenda through which the emphasis on decarbonization

iii) The FAME initiative to clean transportation

iv) Upgrading common but differential responsibility by reducing emission intensity by 45% by 2030.

v) The focus on protecting resources like mangroves through MISHTI.

Thus COP-27 witnessed some key declaration towards green and clean environment.

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18- Disaster management refers to holistic planning and adequate utilization of existing resources towards reducing vulnerability and risk by mitigation and adaptation.

Key prospect :-

Disaster Management cycle

Mitigation → Preparedness → Forecasting (Before)

Reconstruct ← Rehab ← Relief (Strike) (After)

1) Responding emergency :-

a) Providing instant relief like NDMA guidelines of rehabilitation to height during floods

b) Conducting rescue mission through National disaster relief forces and providing basic amenities.

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11) Building resilience

a) Following Sendai framework for reconstruction like retrofitting towards earthquake engineered building

b) Improving forecasting technology like water dopplers, RISAT satellite

c) The mitigation efforts through emergency drives and preparedness

d) The following Standard Operating Procedures like Odisha forces during cyclone

Key Strategies :-

1) Build community resilience

a) Sendai framework highlighted capacity building by timely training and awareness campaign

b) UN office on Disaster Control stated preparedness by emergency kit and

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accounting infrastructural means for effective adaptation during disaster situations

11) Reduce impact

a) NDMA stated the efforts taken like early rehabilitation and timely forecasting

b) Ministry of Home Affairs stated vulnerability zoning and active mapping for adequate efforts

c) Keeping financial aid at ease with pre-planned evacuation planning.

Thus disaster management ensure holistic utilization and comprehensive planning.

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19- In the backdrop of asymmetric warfare emerging due technological misuse and hybrid warfare, need transformative defence needs.

New means of terrorism

I) Metaverse concern as it provides new mean for training and holistic planning in conducting attacks

II) New cyber-warfare impacting critical infrastructure like Kundakulum power plant

III) New bio-terrorism and chemical pedagogy have greater risk and low pre-hand defend means

IV) Using technology like drone swarm attacks, nanobots and social media fundamentalism.

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v) The use of dark Web and deep fake AI to mobilize resources and brainwashing citizens like in Kashmir to mobilize youth against state.

Ways to counter it :-

i) Financial action task force stated most important need for cutting finances and preventing terror-funding

ii) The regulatory mechanism of emerging technology and algorithmic preparedness to identify misuse.

iii) The international collaboration for capacity building and identification especially in cyber-protection.

iv) The need for comprehensive strategy by new departments under Ministry

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of defense to carry out adequate prior preparedness like in bio-terrorism etc.

Delhi-declaration Importance

i) The international coordination for counter-terrorism by collaborative and target based approach

ii) Identifying new means and international terror organization and organized crime groups for sanctions.

iii) Building adequate pressure on terror heaven countries and restricting their financial support.

iv) Capacity development through multi-lateral engagement

Thus holistic approach in this regard must be taken up

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20- Agnipath Path is envisaged for recruitment of Indian youth on voluntary basis in armed forces, so as to provide better capacity building from grassroot level-

Necessity for agnipath scheme :-

I) The need for adequate recruitment to fill the huge vacancy (Ministry of Home affairs stated 37% vacancy)

II) The longer duration in training to improve skills and knowledge

III) The greater prospect for promotion and carrying experience

IV) The international prudence like success of Israeli forces largely accounted on timely youth recruitment

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v) Former defence secretary stated its most important facet lies in utilizing right youth energy and patriotism towards national responsibility

vi) The long term benefit of eradicating IPS hegemony at middle leadership role and ground-based experienced progress

Issues :-

i) The scheme fails to ensure adequate recruitment and still in very nascant stage without effective involvement of state

ii) The lack of emphasis in advocating new warfare challenges in training module

iii) The challenge lies for non-recruited trainee as they miss out on crucial period of their career progress.

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iv) The issue of incorporating large trainee due infrastructural limitation across army camps.

Way forward

i) The right orientation of scheme demands proper implementation and prior declaration from interested cadets.

ii) The need lies in training modernization as stated by Shekatkar Committee for army preparedness.

iii) Inculcating it within education system and credit facility for such trainees

iv) The most important need lies in making Agnipath veers future ready with holistic training across all dimensions.