



TEST CODE 7 7 1 6 1 4

SPS 2024 – UPPSC MAINS

Time Allowed : Three Hours  
समय : तीन घंटे

Forum IAS

Maximum Marks : 200  
अधिकतम अंक : 200

## GENERAL STUDIES / सामान्य अध्ययन

Name Of Candidate परीक्षार्थी का नाम	ABHIMANYU SINGH		
Roll No./अनुक्रमांक	191077390	Medium/माध्यम	English <input checked="" type="checkbox"/> हिंदी <input type="checkbox"/>
Center Code/परीक्षा केंद्र		Date/दिनांक	16/06/2025

\*Center Code : For Online - 1900 / Delhi : Karol bagh - 1901, ORN - 1902, Mukharji Nagar - 1903 / Patna : Boring Rd. - 2001 / Hyderabad : Jawahar Nagar - 2101

## INDEX TABLE / अनुक्रमणिका

## INSTRUCTION / अनुदेश

Q. No. प्र.सं.	Max. Marks अधिकतम अंक	Marks Obtained प्राप्तांक	
1			1. Please do furnish Name, Email, Roll No and Mobile in the answer sheet. कृपया उत्तर-पुस्तिका में नाम, ईमेल, रोल नंबर और मोबाइल नंबर भरें।
2			2. There are <b>TWENTY</b> questions printed in ENGLISH & HINDI, all questions are compulsory. उत्तर पुस्तिका में अंग्रेजी/हिंदी में बीस प्रश्न दिए गए हैं, सभी प्रश्न अनिवार्य हैं।
3			3. The number of marks carried by a question/part is indicated against it. प्रत्येक प्रश्न/भाग के लिए निर्धारित अंक उसके सामने अंकित किए गए हैं।
4			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. उत्तर प्रवेश पत्र में अधिकृत माध्यम में लिखे जाने चाहिए जो कि दिए गए स्थान में इस प्रश्न-सह-उत्तर (क्यूसीए) पुस्तिका के कवर पर स्पष्ट रूप से लिखा जाना चाहिए।
5			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. <b>12 JUN 2025</b> प्रश्नों में शब्द सीमा, यदि निर्दिष्ट हो, का पालन किया जाए। प्रश्न-सह-उत्तर पुस्तिका में खाली छोड़े गये किसी भी पृष्ठ या पृष्ठ के भाग को स्पष्ट रूप से काट दें।
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Total/कुल अंक	200		

## For Student Only / केवल परीक्षार्थी प्रयोग हेतु

Examiner's Discretion/मूल्यांकन कर्ता का विवेक :	Start Time/प्रारंभ करने का समय : 2:00 PM	End Time/समाप्त करने का समय : 5:00 PM
Total Marks/कुल अंक :	Mode Of Examination/ परीक्षा की विधि :	Online/ऑनलाइन <input checked="" type="checkbox"/> Offline/ऑफलाइन <input type="checkbox"/>

\*Examiner's Discretion is the marks awarded at the discretion of the examiner based on your overall impression, on the basis of (but not limited to) your handwriting, presentation, use of diagrams, flowcharts, facts and figures or absolutely anything that he/she liked in your copy.

मूल्यांकन कर्ता का विवेक अंक, आपकी लिखावट, प्रस्तुति, आरेखों के उपयोग, फ्लोचार्ट, तथ्यों और आंकड़ों या समग्र रूप किसी अन्य विषय वस्तु, जो मूल्यांकन कर्ता को आपकी कॉपी में पसंद आयी के आधार पर (लेकिन इन्हीं तक सीमित नहीं) पर दिए गए अंक हैं।

## For Office Use Only / केवल कार्यालय प्रयोग हेतु

ECN CODE/ ईसीएन कोड :	EG/ईजी :	Evaluation Date/ मूल्यांकन तिथि :
	① ② ③ ④ ⑤	

**Note:** Students are expected to incorporate suggestions from the feedback provided in the answers. Discussion classes for the tests are also available online in your portal to aid in your preparation. Further, students are requested to see the good copies of the tests and learn from them. You can also discuss your copy with a Mentor and discover ways and means to improve your answers, or if you have any issues with this test / copy. Ask specific questions, to get specific answers.

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## EXAMINER'S REMARKS

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### CRITERIA FOR THE FEEDBACK SECTION AT THE END OF EACH QUESTION

1. **AWIS = Answered What is Asked.** This means whether you have addressed the core demand of the question or not. Addressing the core demand of the question gets you an objectively fair score. It is examiner's perception if you have understood the question and if you know the answer in the first place. Creative answer writing, sometimes missing the core demand, may fetch very high or very low scores, and exposes your answer to the subjectivity of the examiner.
2. **CD & VA = Content Density & Value Addition.** Examiner will evaluate the quality and quantity of your content in the answer. In the same word limit and space limit have you (a) written what is asked (b) gone beyond what is asked (c) enriched answers through combination of ( but not all!) suggestions, ideas, quotes, flowcharts, diagrams, facts and figures, data etc. This affects objective components of assessment.
3. **S & F = Structure & Flow** - Whether you have structured your answer properly or not. Whether the answer has been broken into parts and sub-parts and each part has been addressed appropriately or not. Whether the flow of the answer is maintained. Affects both subjective and objective components of assessment.
4. **P & R** - How your answer performs on the criteria of **presentation, ease of read, clarity and apparent effort** in writing the answer. This affects the subjective components of assessment.



## SHORT ANSWER QUESTIONS

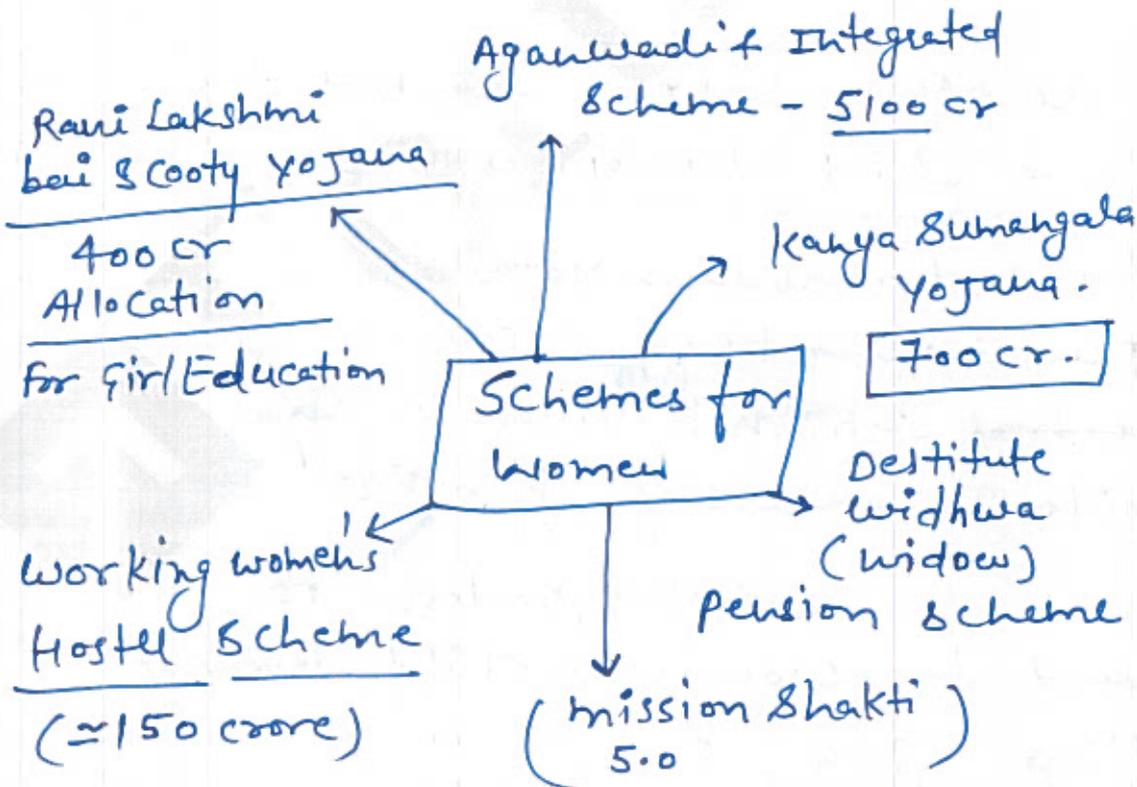
### लघु उत्तरीय प्रश्न

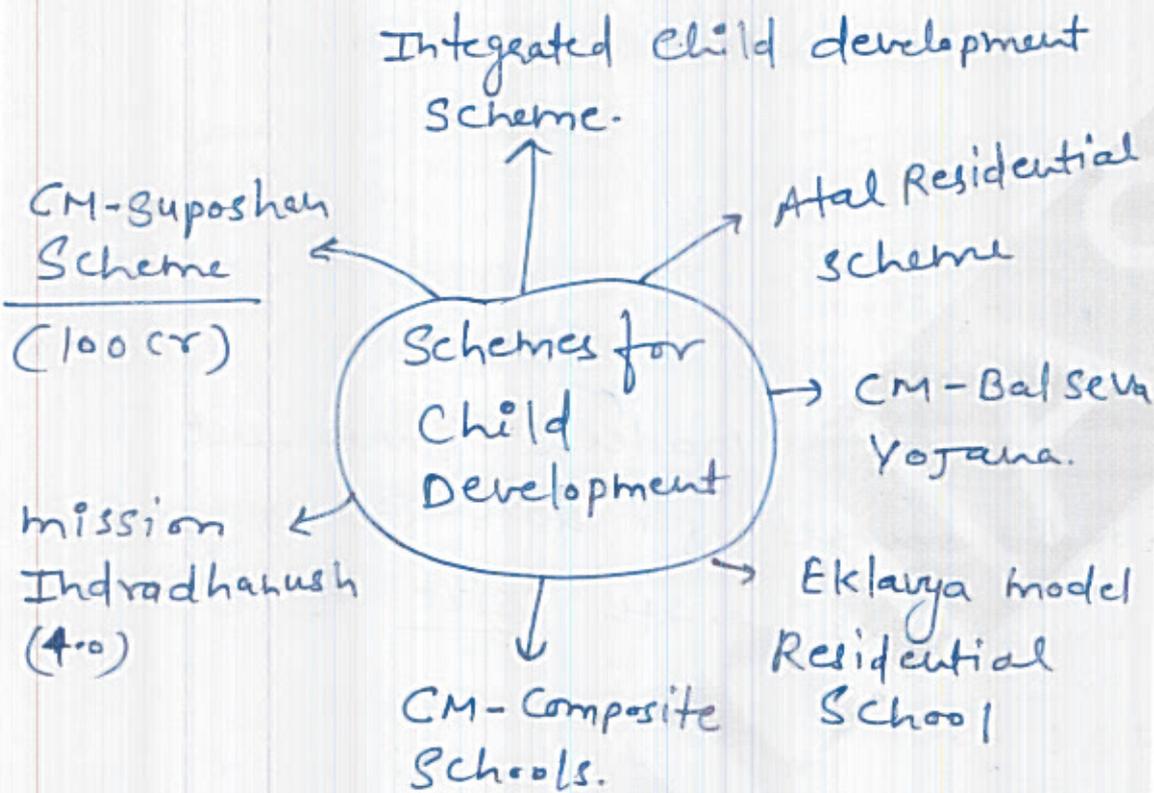
#### Section-A / खण्ड-अ

Q.1) Presenting details of the major schemes run by the Uttar Pradesh government in the context of women and child development, underline their financial allocation made in the budget 2025-26?

महिला एवं बाल विकास के संदर्भ में उत्तर प्रदेश सरकार द्वारा चलायी जा रही प्रमुख योजनाओं का विवरण प्रस्तुत करते हुए बजट 2025-26 में किए गये उनके वित्तीय आवंटन को रेखांकित करें? (8 Marks)

Uttar Pradesh Government presented budget for 2025-26 in February, 20, 2025 with size of 808736 L.Cr.





There are other several schemes for women & child development :-

- \* PM-Matru Vandana Yojana
- \* Janani-Suksha Yojana.
- \* ~~Central~~ Samuhik Vivah Yojana.
- \* Widow Remarriage Scheme

Uttar Pradesh is dedicated for woman & child development fulfilling SDG - 5.

**Feedback**

(For OFFICE use only)

#	G	A	P
AWIS			
CD & VA			
S & F			
P & R			
Please put tick marks in the above table.			
Here G is Good, A is Average and P is Poor.			
TOTAL MARKS			

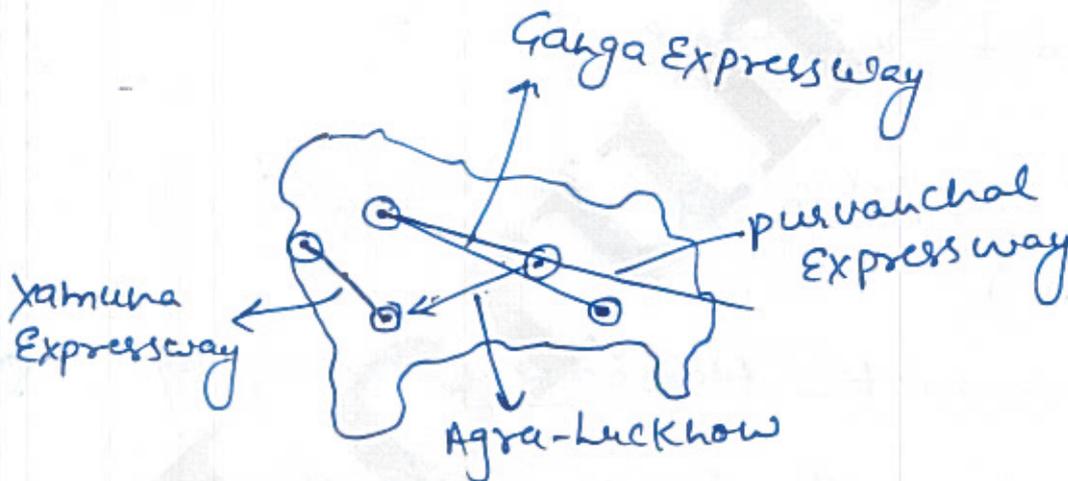


Q.2) Critically examine the growing expressway network in the state.

प्रदेश में बढ़ते एक्सप्रेस-वे नेटवर्क का आलोचनात्मक परीक्षण करें।

(8 Marks)

Uttarpradesh allocated around 22% of its 2025-26 budget for infrastructure development, mainly focusing on expressways.



∴ Expressways in UP ∴ -

UP has 13 Expressways out of them, 7 are Completed and 6 are under construction.

## Major Expressways :-

- ① Purvachal Expressway - Longest Expressway of UP.
- ② Bundelkhand EW → fastest build
- ③ Delhi-Meerut Expressway
- ④ Yamuna Expressway
- ⑤ Ganga Expressway connecting 12 district → 8 Lane.

## Proposed Expressways in Budget (2025-26)

- ① Meerut - Haridwar - Expressway
- ② Extension of Ganga Expressway  
from Prayagraj to Sonbhadra

Expressways of UP are engineering marvel adopting world class technology.

### Feedback

(For OFFICE use only)

#	G	A	P
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TOTAL MARKS			

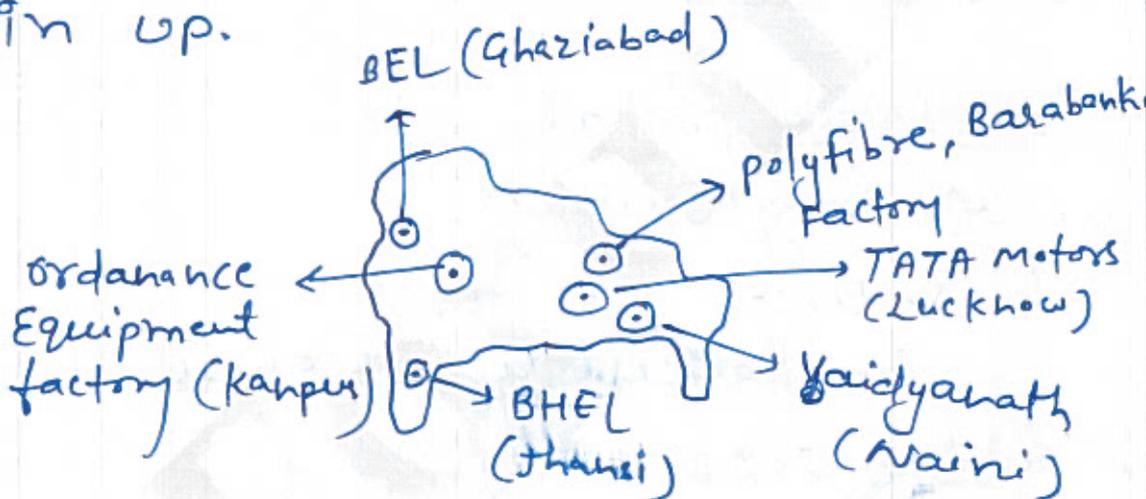


Q.3) Discuss the ongoing schemes related to industrial development in Uttar Pradesh.

उत्तर प्रदेश में औद्योगिक विकास से संबंधित संचलित योजनाओं की विवेचना कीजिए।

(8 Marks)

Mous of 36 Lakh crore has been signed in Global investors Summit 2024 for fast track Industrial development in UP.



→ Industries of UP :-

major Schemes for Industrial Development :-

① UP MSME Policy, 2022.

↳ Interest subsidy & Capital Subsidy (35%) → 10%  
 ↳ 2% extra for SC/ST/women

② UPSIDA - Up State industrial development authority  
 +  
YEIDA - Yamuna  
 +  
BIDA - Bundelkhand.

③ NIVESH mitra portal

④ Ease of Doing Business

↳ Reduced 3500 to 900 Compliances in last 5 years

⑤ FPI policy, 2023.

⑥ DATA Centre policy, 2021.

↳ world class DATA Storage Capacity

⑦ Land Bank Scheme

Uttarpradesh aims to become Industrial Hub, transforming State.

### Feedback

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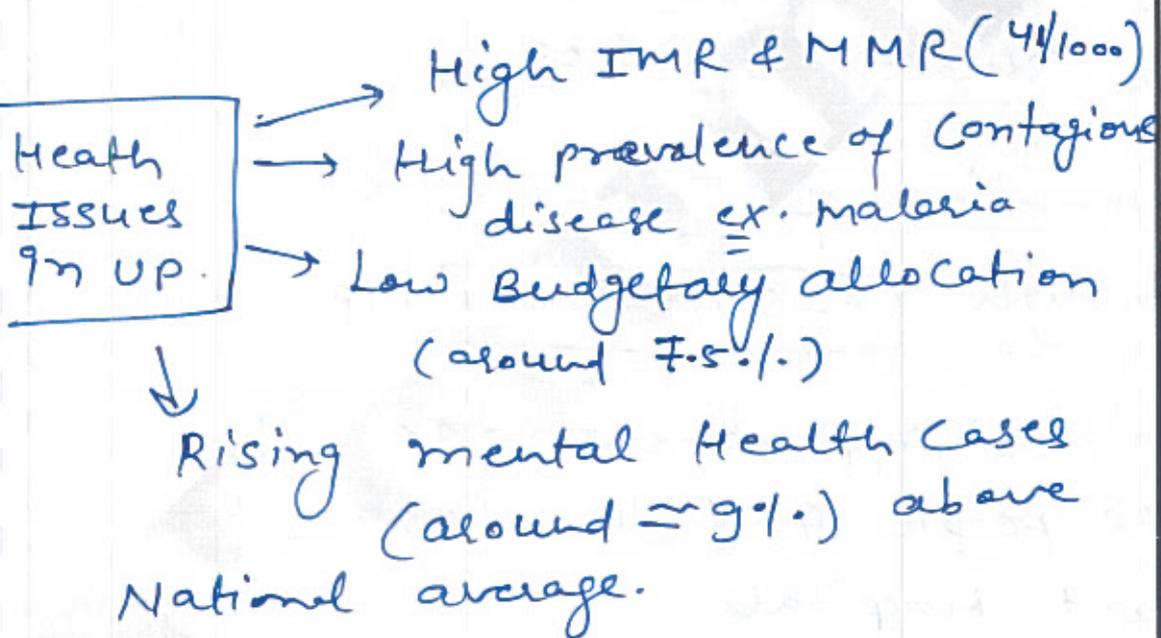
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Please put tick marks in the above table. Here G is Good, A is Average and P is Poor.			
TOTAL MARKS			

Q.4) Evaluate the initiatives launched to promote digital health services in Uttar Pradesh in 2025.

2025 में उत्तर प्रदेश में डिजिटल स्वास्थ्य सेवाओं को बढ़ावा देने के लिए शुरू की गई पहलों का मूल्यांकन करें।

(8 Marks)

Uttarpradesh focuses on health services to reap the benefit of largest demographic dividend of the country.



Govt Initiatives for digital Health Services :-

① Health ATMs, Installed

in every district Headquarters.

- 2) Initiative of varanasi - Labmitra on statewide level ⇒ Lab Report for online reports of medical check-ups.
- 3) one-District one medical College to boost the manforce in Health Services.
- 4) Promotion of Tele-medicine through e-Sanjeevani APP.
- 5) online appointments for old age people & PWDs in Government Hospitals.

Uttar Pradesh  
Government focus on Improving  
Health Care Services to Enhance  
the Medical Tourism (27/1) in  
UP.

**Feedback**

(For OFFICE use only)

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Please put tick marks in the above table.			
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TOTAL MARKS			



Q.5) What efforts are being made by the Uttar Pradesh government to attract investment?

उत्तर प्रदेश सरकार द्वारा निवेश को आकर्षित करने के लिए क्या प्रयास किये जा रहे हैं?

(8 Marks)

Uttar Pradesh signed  
MOUs of 36 Lakh crore in  
Global Investors Summit in  
2024.

Government Initiative to Attract  
Investment :-

- ① Global Investors Summit
- ② International Events Organisation  
ex. SEMICON India, 2024  
in Noida.
- ③ NIVESH mitra portal for Seamless  
& fast approvals for investors.

4) Incentives to Investors through various schemes -

Ex. Electric vehicle policy, 2023.

↳ 50% Capital subsidy.

5) UP-state film policy, 2023.

↳ 50% Capital subsidy (cap of 50 Lakh) for setting up of

Studio in UP.

↳ Noida - as international film city.

6) Infrastructure development

↳ Expressways (13)

↳ Dedicated freight Corridors

↳ National water way

↳ 21 Airport

7) Safe & secure environment for Investment ⇒ Better Law enforcement

UP aims to Convert Gram Sabhas into Industrial Clusters.

### Feedback

(For OFFICE use only)

#	G	A	P
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Please put tick marks in the above table.

Here G is Good, A is Average and P is Poor.

TOTAL MARKS	
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Q.6) What steps were taken by the government for tax and economic reforms in Uttar Pradesh and also tell its importance.

उत्तर प्रदेश में कर एवं आर्थिक सुधारों के लिए सरकार द्वारा क्या कदम उठाये गये एवं इसके महत्व को भी बताइये।

(8 Marks)

Uttar Pradesh has become 2<sup>nd</sup> most tax-collecting State after Maharashtra.

Steps & Economic reforms :-

- ① Revision of tax-regimes as per directives of Central Government.
- ② Ease of doing Business for Better tax Compliance.
- ③ Subsidies in Capital & Interest payments, leaving people with more money  $\Rightarrow$  more tax

- ④ Better Law-enforcement  
 ↓  
 Better Investment  
 ↳ Higher Corporate tax.
- ⑤ NIVESH mitra portal for Ease of doing Business.
- ⑥ Digitalisation - ex. e-tendering
  - Reduce leakage & Corruption
  - Better tax-filing
  - Reduced tax Evasion.

## Importance

- ) UP has become revenue surplus state.
- ) more funds with government for public welfare schemes.
- ) Re-distribution of wealth.
- ) Inclusive development.

UP has become 2<sup>nd</sup> highest Economy of India, from "Beemary state" level.

### Feedback

(For OFFICE use only)

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Please put tick marks in the above table. Here G is Good, A is Average and P is Poor.			
TOTAL MARKS			



Q.7) What is Bio Energy Enterprise Promotion Program? Explain biomass-based power projects.

जैव ऊर्जा उद्यम प्रोत्साहन कार्यक्रम क्या है? बायोमास आधारित विद्युत परियोजनाओं को बताइए तथा इसके क्या लाभ हैं। (8 Marks)

AS PER TERI, Uttar Pradesh has 3700 Mw electricity generation potential through Bio-energy.

Bio-Energy enterprise promotion programme :-

- 1) It is a programme for promotion of Bio-energy based enterprises to produce
  - Bio-fuel
  - Bio-diesel
  - Bio-oils
- 2) Component of UP-Bioenergy policy, 2022.
- 3) Subsidies ~~are~~ to be given

for production of Bio-products.

ex. ₹ 75 Lakh ₹ subsidy on production 1 ton Bio fuel.

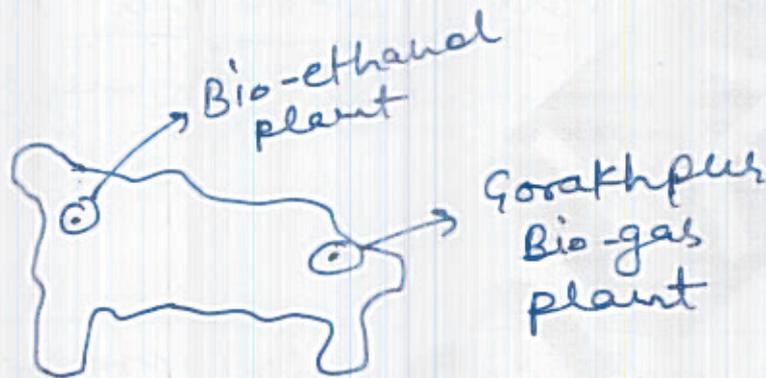


Fig:- Bio-fuel/energy generation plants

- Benefits —
- ① Less polluting
  - ② High energy Capacity fuels.
  - ③ Push for circular economy

- Challenge —
- ① High upfront cost
  - ② Long gestation period
  - ③ Under-developed market.

Up-Bio-energy policy 2022, aims to solve these challenges.

**Feedback**

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#	G	A	P
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Please put tick marks in the above table. Here G is Good, A is Average and P is Poor.			
TOTAL MARKS			



Q.8) Examine the impact of population growth on the urban socio-spatial pattern in Uttar Pradesh.

उत्तर प्रदेश में शहरी सामाजिक स्थानिक प्रतिरूप पर जनसंख्या वृद्धि के प्रभाव का परीक्षण करें। (8 Marks)

UP is most populous state of India, having around 17% (20cr) population, as per Census 2011.

Impact of population growth :-

- ① High population leads to higher competition for resources.
- ② Slum proliferation in urban centres.  
ex. Meerut has highest = slums in country.
- ③ Higher the population, higher will be migration from Rural to Urban areas.

4) Higher migration  $\Rightarrow$  High population Density

Prevalence of Contagious disease.  $\Leftarrow$

5) Higher population leads to Anthropogenic disasters.

ex. Stampede (New delhi Railway Station) fire breakout

$\hookrightarrow$  In Neo-natal Case Jhansi, due to over crowding.

Uttar Pradesh population policy 2021

$\rightarrow$  aims to reduce TFR from 2.7 to 2.2 by 2026.

$\Downarrow$   
TFR - 1.7 by 2030.

population is a double edged sword, hence should be put for proper growth and development of State & Country.

### Feedback

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TOTAL MARKS			



Q.9) What are the main reasons for lack of commercialization of agriculture in Uttar Pradesh? Suggest ways to promote commercialization of agriculture in the state.

उत्तर प्रदेश में कृषि का व्यवसायीकरण न होने के प्रमुख कारण क्या हैं? प्रदेश में कृषि के व्यवसायीकरण को बढ़ावा देने के उपाय सुझाइए। (8 Marks)

Uttar Pradesh Government  
disbursed 2,85,000 crore to the  
farmers of Sugarcane from 2017  
to 2024 as FRP of Commercial  
Crop.

## Causes of Lack of Commercialization

- ① Inadequate adoption of technology  
in Agriculture.  
ex. Drones, machined tractors.
- ② Fragmented land holding,  
ex. 0.78 ha average land  
holding size
- ③ Lack of Crop diversification due  
to Green Revolution & NFSA.

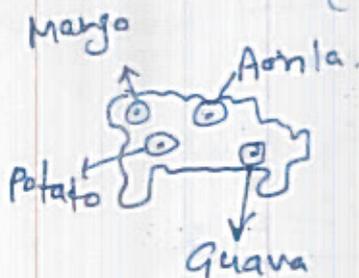
ex. focus on Rice & wheat due to FSP.

- 4) Lack of Backward - forward integration & under developed FPI.
- 5) Lack of Contract farming & Private markets.

## Government Initiatives :-

- 1) GeM - Government-e-marketplace
- 2) e-NAM - e-National agri market
- 3) Capital subsidy & fertilizer subsidies.
- 4) Cold Storage Infrastructure
- 5) Govt- Agriculture export policy.
- 6) Agri-Export zone. ex: Potato-Agra.

Benefits (1) Improved Income of farmers (Double - Ashok dalwai Committee)



Up Agriculture policy aims for growth of Agriculture with 5-1% Rate.

### Feedback

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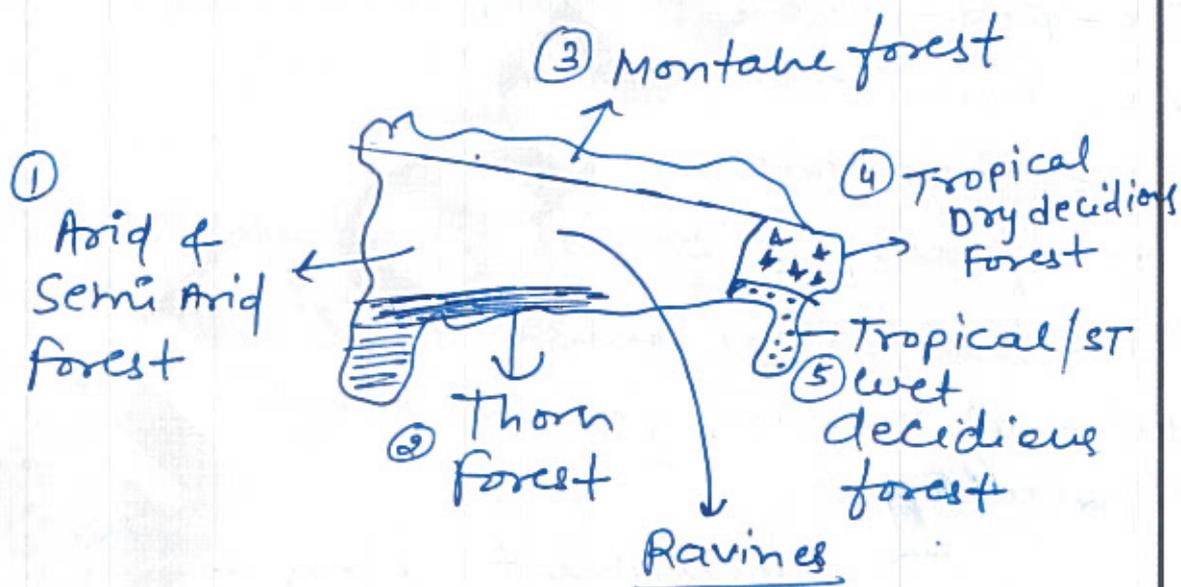


Q.10) How many types of forests are found in Uttar Pradesh? What is the main reason behind the decrease in forest percentage in the state? What efforts have been made by the state government in this direction?

उत्तर प्रदेश में कितने प्रकार के वन पाये जाते हैं। राज्य में वन प्रतिशत कम होने के पीछे प्रमुख कारण क्या है? राज्य सरकार द्वारा इस दिशा क्या प्रयास किया गया है? (8 Marks)

Uttarpradesh stands Second in country with Green Cover 9.9% of total geographical area.

forests in UP :-



Causes Behind decrease :-

- Cutting of trees for timber products

- 2) Deforestation for Developmental projects. ex: Kanpur metro protest case (for forest cut)
- 3) disturbing monsoon patterns & lack of water availability.

## Government Efforts :-

- \* 135 crore tree plantation from 2017 to 2024.
- \* Target of 35 crore plantation (2025)
- \* Ek-ped-maa-ke-naam initiative
- \* Van mahotsav (1 July to 7 July)
- \* forest festivals.
- \* Agroforestry & Social forestry
- \* Green belt along Ganga river
- \* National mission for Sustainable Agriculture.

Government aims to increase forest cover of UP from 9.8% to 15% by 2030.

### Feedback

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CD & VA			
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TOTAL MARKS	
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## LONG ANSWER QUESTIONS

दीर्घ उत्तरीय प्रश्न

Section-B / खण्ड-ब

Q.11) Analyse the government's preparedness to deal with natural disasters like floods and droughts in Uttar Pradesh in 2024.

2024 में उत्तर प्रदेश में बाढ़ और सूखे जैसी प्राकृतिक आपदाओं से निपटने के लिए सरकार की तैयारियों का विश्लेषण करें। (12 Marks)

Recent amendment in NDMA Act, 2005 empowered SDMA's to create Response plans for disasters in the state, 2024.

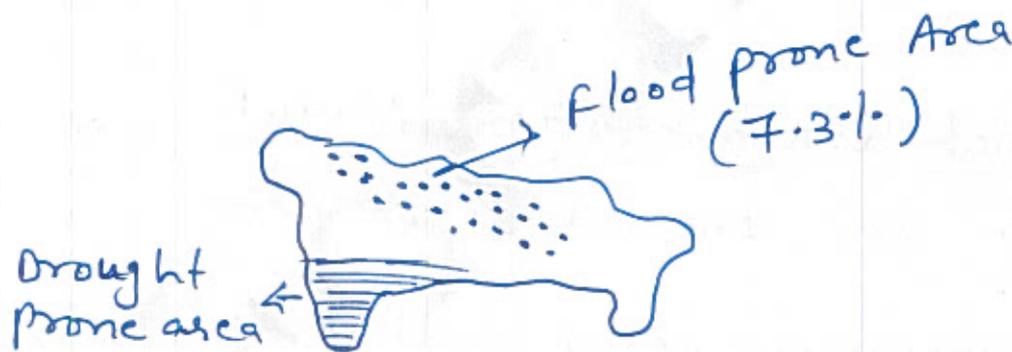


Fig:- Natural Hazard Map of UP

Government preparedness for flood

- \* Flood Rescue & Rehabilitation Centres in Each headquarter, with high flood risks.  
ex. Bahraich, Unnao.
  - \* State disaster Response Force deployed at regional Head-quarters for quick Response.
  - \* Budgetary allocation for SDMA.
  - \* District administration Nodal Agency for Immediate Response.
  - \* Aid packages (food, medicine etc.) ready-made at regional centres.
  - \* River-front development Programme
- Preparedness for Drought :-

- \* Mukhyamantri - Kisan Sahayta Kosh for drought relief.
- \* Advisories for sustainable use of water resources.
- \* Drip irrigation system in Bundelkhand region.
- \* Aid packages with district administration.
- \* Disaster relief fund.
- \* public distribution system for almost 75 crore population.

Uttarpradesh is a agriculture rich state and flood & drought Both harmful for Agricultural Economy, hence dealt with calibrated policy approach.

**Feedback**

(For OFFICE use only)

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P & R			
Please put tick marks in the above table. Here G is Good, A is Average and P is Poor.			
TOTAL MARKS			



Q.12) Mention the agricultural diversity in Uttar Pradesh.

उत्तर प्रदेश में कृषि विविधता का उल्लेख कीजिए।

(12 Marks)

Uttarpradesh, Agriculture  
Contributes around 24.8% in  
State GSDP.

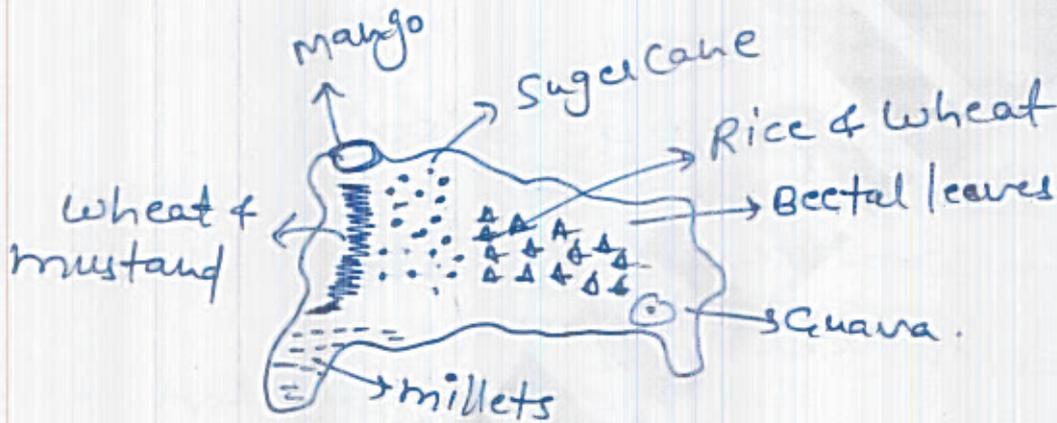
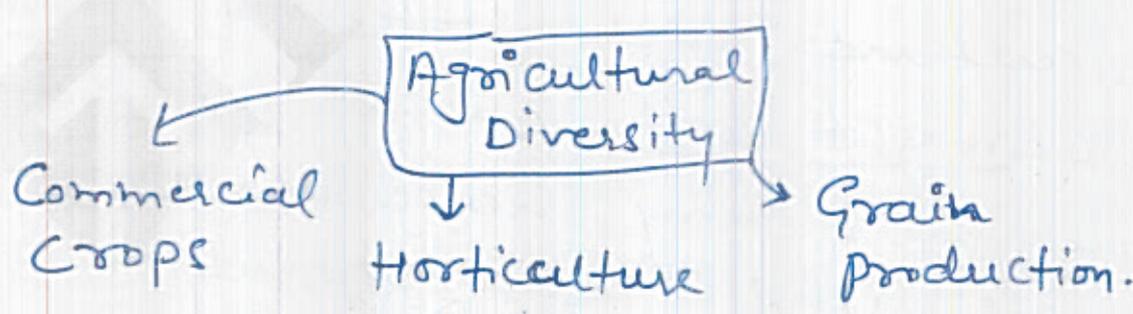


Fig:- Agricultural Landscape of UP.



① Commercial crops :-

(A) Sugarcane - UP is largest producer of Sugarcane in country.

(B) Cotton :- western region produces Cotton as Kharif Crop.

(C) Mustard - RABI crop, western UP.

② Grain / Food crops :-

(A) Wheat :- In Ganga Doab Region largest producer

(B) Rice :- In Ganga doab and Eastern Region.  
- highest producer state.

(C) Millets - produced in Bundelkhand Region. ex. Ragi  
= Pearl millet.

3) Horticulture :-

① olericulture - vegetable Cultivation  
 ex. potato (Agra) mostly in central up.

② pomology - fruit Cultivation.  
 ex. Guava in Prayagraj (000P)  
Mango - Saharanpur & Lucknow.

③ Floriculture - in Agra division mostly.

Schemes for promotion of Agriculture

- \* PM - Fasal beema Yojana
- \* PM - KUSUM, PM - KISAN
- \* MM - Krishi Sahayata Kosh.
- \* minor irrigation projects of UP (2025)
- \* lifted Ban on tubewell in Dark Zone

Up has started viksit  
Krishi Uthahan Yojana with moto  
of Lab to Land in may 2025.

**Feedback**

(For OFFICE use only)

#	G	A	P
AWIS			
CD & VA			
S & F			
P & R			
Please put tick marks in the above table. Here G is Good, A is Average and P is Poor.			
TOTAL MARKS			



Q.13) Briefly mention the provisions made for agriculture and farmers of Uttar Pradesh in Uttar Pradesh Budget 2025-25.

उत्तर प्रदेश बजट 2025-25 में उत्तर प्रदेश की कृषि एवं किसानों के लिए किए गए प्रावधानों का संक्षिप्त उल्लेख करें। (12 Marks)

Uttarpradesh is Agriculture  
Rich state contributing around  
24.8% in state GDP, aiming  
to grow at 5.1-1% rate.

Agriculture related provisions in Budget  
(2025-26).

- ① Free mini kits to farmers  
for oilseed & pulses production  
in Bundelkhand region.
- ② Agricultural Tech university  
in Uttar Pradesh. (5)

- ③ Development of Seed Bank in  
⑥ District & Krishi Vigyan Kendra.
- ④ Agriculture research fund to  
Institutions like Subtropical  
Horticulture research institute,  
Lucknow.
- ⑤ Mukhyamantri Krishak deghatana  
Bhaksya Yojana for insurance  
of farmers.
- ⑥ Raising FRP for Sugarcane  
farmers.
- ⑦ Lifted Ban from New Tube  
well Construction in dark zone  
from 2025.
- ⑧ Launch of Viksit Krishi Uthhan  
Abhiyaan in May 2025, teams of  
Scientists in forms "Lab to Land".

Continuation of old schemes :-

- ① PM-fasal Beema Yojana
- ② PM-KUSUM (Solar pumps)
- ③ PM-KISAN (6000₹ in 3 installment)
- ④ Kisan Credit Card, Soil health Card
- ⑤ National mission on Sustainable agriculture
- ⑥ National horticulture mission, 2014

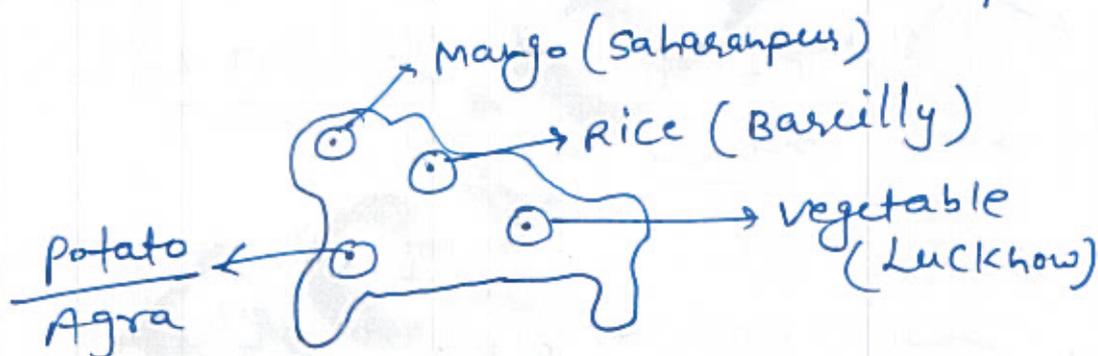


Fig. Agriculture Export Zone - UP ④

Uttarpradesh is largest grain producer of country, can be attributed to these schemes.

**Feedback**

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TOTAL MARKS			

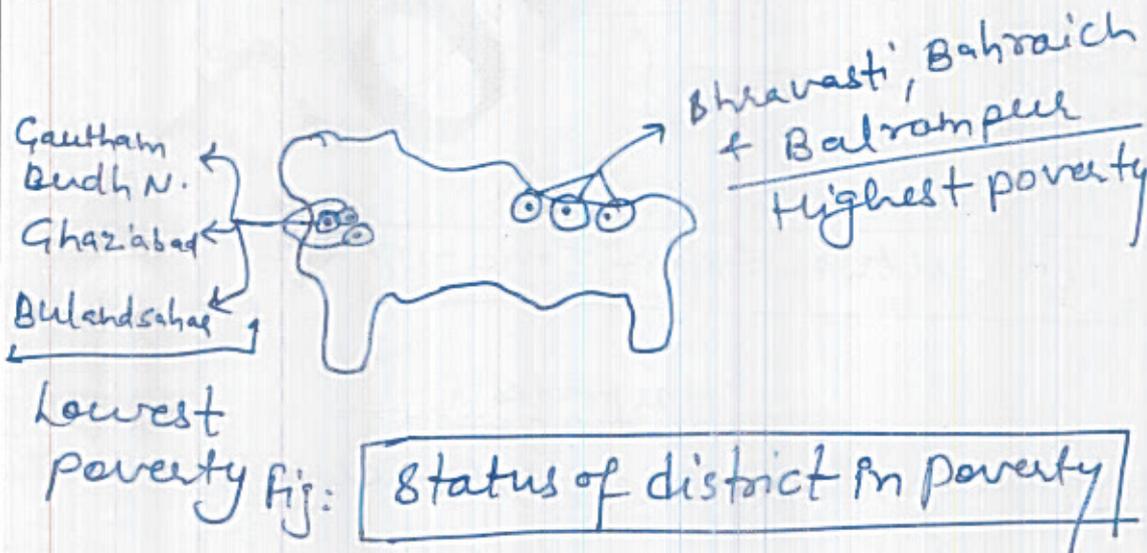
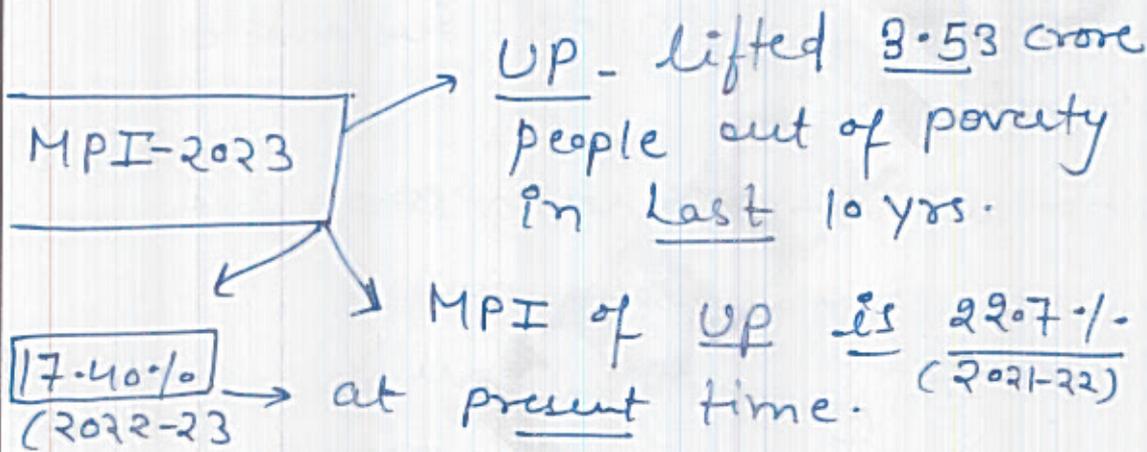


Q.14) Evaluate the Multidimensional Poverty Index with reference to Uttar Pradesh.

उत्तर प्रदेश के सन्दर्भ में बहुआयामी गरीबी सूचकांक का मूल्यांकन कीजिए।

(12 Marks)

Uttar Pradesh has become the highest multi-dimensional poverty removal state of India.



Schemes of Government allieviate

Poverty :-

→ 15 crore in up.

- ① NFSA, PDS - 2013, 67% Population
- ② Annapurna Stores in District Head quarters, (Budget 2025-26)
- ③ Jeevan Jyoti Beema Yojana.
- ④ Samuhik Vivah Yojana.
- ⑤ Kanya Sumangala Yojana.
- ⑥ PM-Ujjawale Yojana.
- ⑦ MGNREGSA
- ⑧ Shyama Prasad Mukherjee Ruabah mission
- ⑨ PM-KISAN
- ⑩ National Rural livelihood mission

\* MPI index is released by NITI Aayog.

MPI - Checks for 12 indicators. which include Health, Education & Standard of life.

\* Gautam Budh nagar has reduced poverty significantly with fastest pace.

\* Lucknow & Kanpur also performed well.

\* Regional imbalance is hindrance for overall poverty reduction In the state.

ex. Variability Coefficient of UP is 114.

Bundelkhand & poorvanchal region are to be looked with targetted approach to get poverty free State. (Rangoli =) first poverty free village

### Feedback

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#	G	A	P
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Please put tick marks in the above table. Here G is Good, A is Average and P is Poor.			
TOTAL MARKS			



Q.15) Depicting the mineral belts in Uttar Pradesh, what is the contribution of Uttar Pradesh in the country in the production of major minerals?

उत्तर प्रदेश में खनिज पेटियों को दर्शाते हुए प्रमुख खनिजों के उत्पादन में उत्तर प्रदेश का देश में क्या योगदान है? (12 Marks)

Up-mineral policy of 2022 aims to achieve Revenue of ₹3000 cr by mineral production.

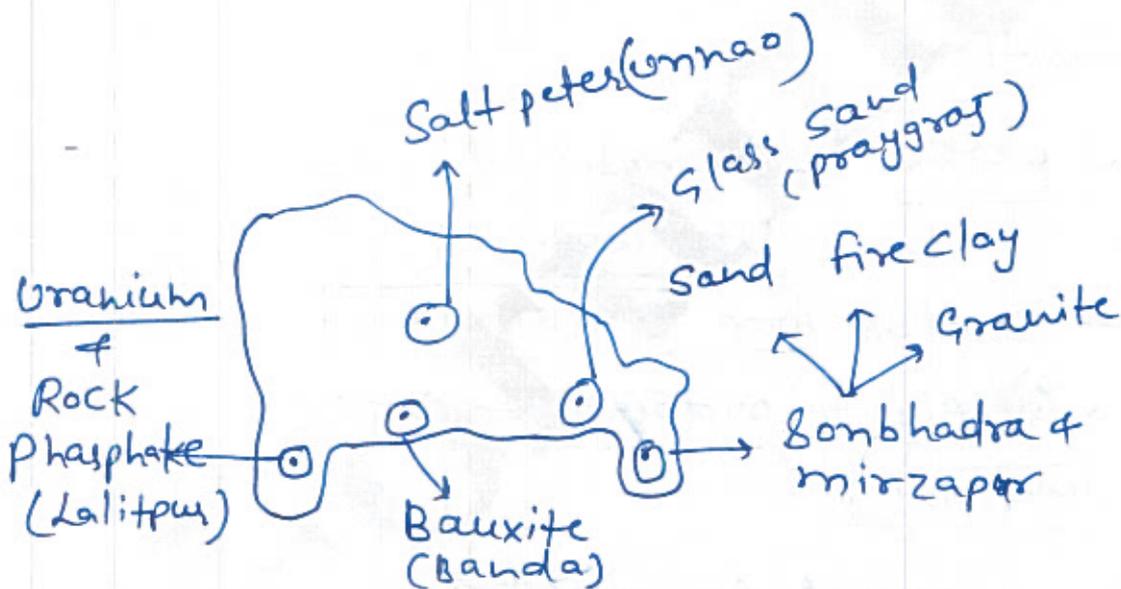
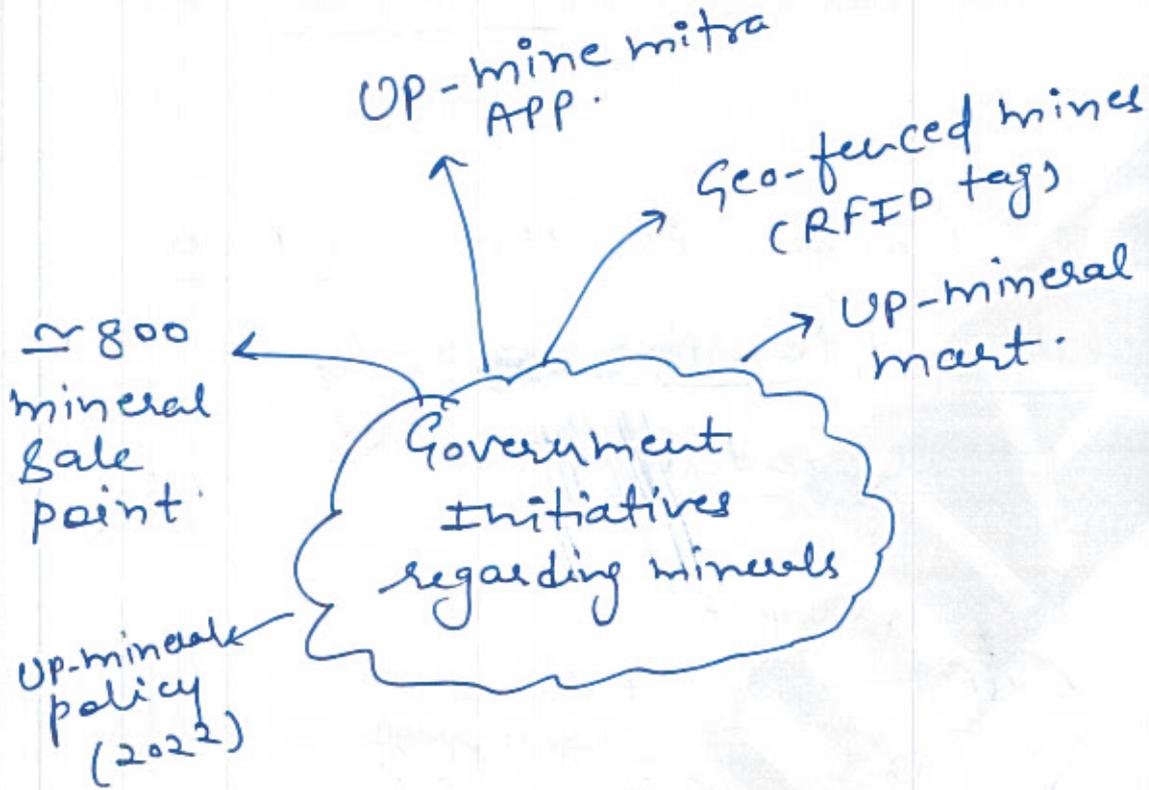


Fig. Mineral Belt of UP.

Contribution of Uttar Pradesh: -

- ① Lalitpur :- Large deposits of Uranium & Rock phosphate are present.
- ② Banda :- Bauxite is produced from Banda, sent in Odisha for Aluminium production.
- ③ Salt peter :- produced in Unnao.
  - ↳ useful for amunition
  - ↳ supply to ordnance factory Kanpur
- ④ Mirzapur & Bombhadra :- Centre of mineral production like sand, fire clay, marble etc.
- ⑤ Glass sand is found in prayagraj.



\* UP, mine mitra app won Gold award in Ease of Doing Business rankings in 2022.

\* Uttarpradesh earned around ≈ 3200 crore from mineral production in 2022-23, achieving the goal of UP-mineral policy.

**Feedback**

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#	G	A	P
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Please put tick marks in the above table.			
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TOTAL MARKS			



Q.16) On what grounds the Ganga drainage system is called the lifeline of Uttar Pradesh? Explain.

किन आधारों पर गंगा अपवाह तंत्र उत्तर प्रदेश की जीवन रेखा कहलाता है? व्याख्या करें। (12 Marks)

Ganga is National River of India flowing mostly from Uttar Pradesh.

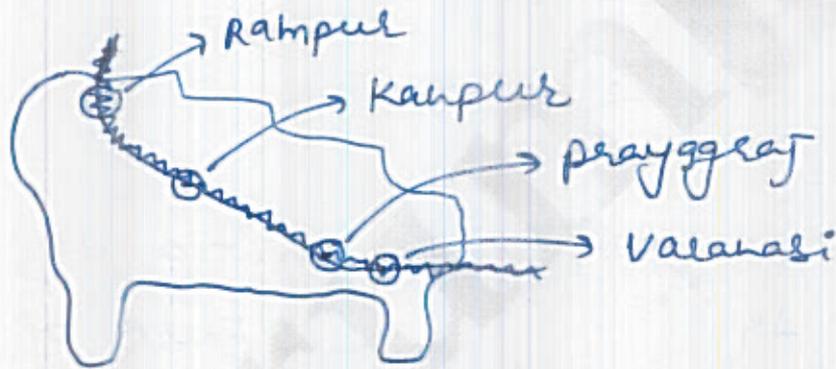


Fig :- Ganga River Route

Ganga - life line of Uttar Pradesh

- ① Irrigation :- Ganga provides means of irrigation for Rich Agriculture of UP.

ex. 68% cultivable land, irrigated  
= 86%.

↳ Sharda Canal, Upper & Lower Ganga Canal.

2) Water transport - National Water-way-I.

3) Fisheries :- Around 200 species of fishes are found in Ganga.

ex. Nishadray Boat Scheme.

4) Tourism :- Ganga Ghat in Varanasi

↳ Maha Kumbha fair organised at the bank of Ganga.

5) Source of floating solar power plants. ex. In Prayagraj

6) Electricity generation.

ex. Luv-Kush Barrage, Kanpur

- ⑦ spiritual & historical importance of river Ganga.
- ⑧ source of water for Industrial Use. ex. vaidyanath Ayurvedik firm use Ganga water
- ⑨ Home of National aquatic animal - Gangetic Dolphin.

Government Schemes related to River Ganga :-

- ① Namami Gange
- ② River front Development programme
- ③ green belt development along Ganga
- ④ National Mission for Clean Ganga.

Hence we can say that Life of people Runs along Ganga is UP.

**Feedback**

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	G	A	P
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Please put tick marks in the above table. Here G is Good, A is Average and P is Poor.			
TOTAL MARKS			

Q.17) What do you understand by Public Private Partnership (PPP)? Explain its utility in the field of agriculture in Uttar Pradesh.

सार्वजनिक निजी भागीदारी (PPP) से क्या समझते हैं? उत्तर प्रदेश में कृषि के क्षेत्र में इसकी उपयोगिता को बताइए। (12 Marks)

public private partnership is long term agreement between public & private sector for delivery of public services.

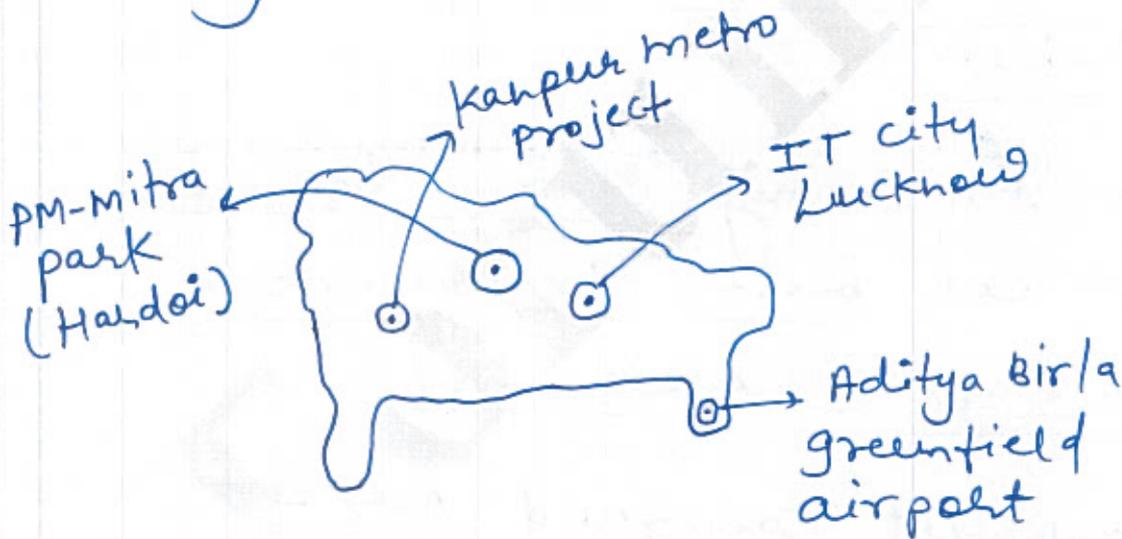


Fig. PPP Projects in UP.

Utility of PPP in Agriculture

- ① for machinization of Agriculture -  
ex. Government Subsidy to  
Machines for particular  
Company (TATA) & TATA giving  
machines on Loans.
- ② for development of Agricultural  
market
- ③ for Enhancing Contract farming  
that can boost the Commercial  
LandScape of Agriculture.
- ④ Government can fund Agri-  
Startups in lieu of Research  
& Innovation in Agriculture.
- ⑤ PPP for Easy & World class  
technology development.

ex. Up Established 150+ hightech Nurseries

① \* PPP Based manufacturing units for Agricultural tools

Benefit :- Industrial Growth

- ) Revenue generation
- ) Employment generation
- ) Agricultural growth.

\* ② PPP in Food Processing Industry  
ex. Initial cost by Government + operation by private firm.

PPP in Agriculture  
 Can boost Income of farmers as well as entrepreneurs, fulfilling Doubling farmer income goal by Ashok Dalwai Committee.

### Feedback

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#	G	A	P
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Please put tick marks in the above table. Here G is Good, A is Average and P is Poor.			
TOTAL MARKS			



Q.18) Analyse the progress made in the field of food security and biotechnology in Uttar Pradesh in 2024.

2024 में उत्तर प्रदेश में खाद्य सुरक्षा और जैव प्रौद्योगिकी के क्षेत्र में हुई प्रगति का विश्लेषण करें।

(12 Marks)

Uttarpradesh Government  
announced to set up Biotech  
park in Lucknow in 2024.

Progress in field of food security:-

- ① UP has emerged largest  
grain producer of the  
country.
- ② UP achieved Self sufficiency  
in food production.
- ③ Export in grains & Horticulture  
grew to 9.2% of GSDP.
- ④ Agri-Export zone have contributed  
positively in achieving food

Security in the state.

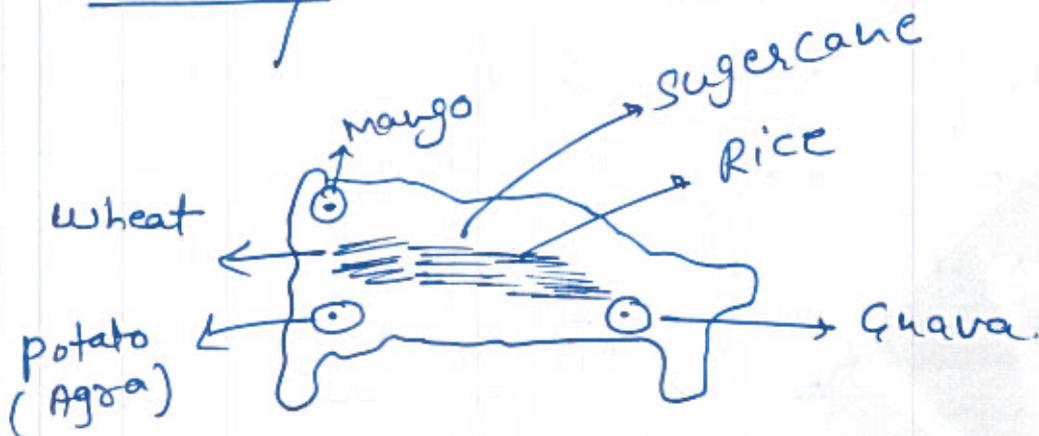
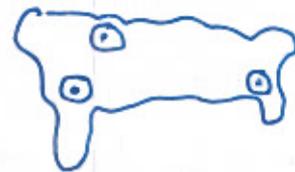


fig :- food production in UP

3-mega food parks in UP :-

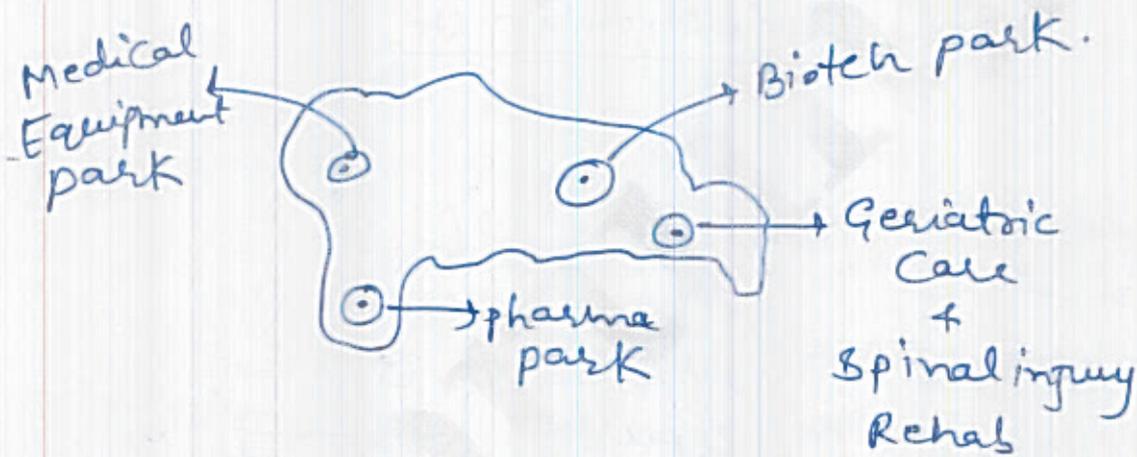
- ① Baheri (Bareilly)
- ② Bedauli (Mirzapur)
- ③ Bhadawal (Mathura)



Progress in terms of Biotechnology :-

- ① massive Pharma park is being developed in Lalitpur.

- ② Biotechnology park in Lucknow.
- ③ funds for Research & Innovation in Biotechnology in state university.
- ④ Biotech-Labs in universities.  
ex. BHU-Biotech Lab.



- ⑤ Biotech for disease Control in Sheeps & Goats.  
ex. Central Avian Research Institute (Bareilly).

Uttarpradesh policy of

IT & ITes (2022) focus on development of Biotechnology in the state

### Feedback

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#	G	A	P
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Please put tick marks in the above table. Here G is Good, A is Average and P is Poor.			
TOTAL MARKS			

Q.19) Describe the efforts being made in the field of science and technology in the context of Uttar Pradesh.

उत्तर प्रदेश के सन्दर्भ में विज्ञान एवं तकनीक के क्षेत्र में किए जा रहे प्रयासों का वर्णन करें। (12 Marks)

Uttar Pradesh ranked in achiever state scoring 40 points above national average in India Innovation Index, 2022, released by NITI Aayog.

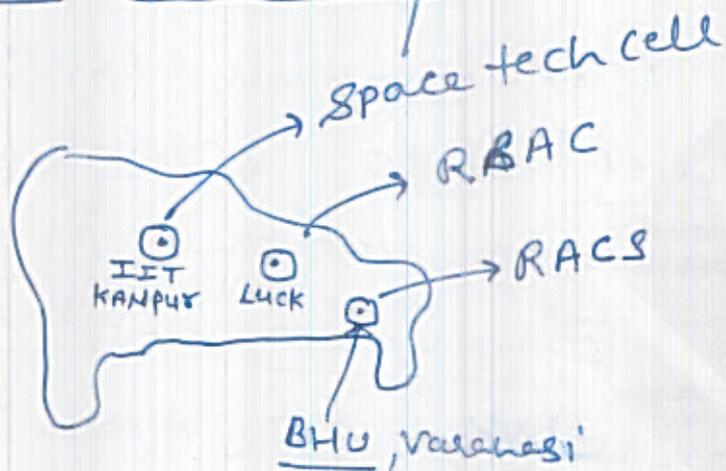
Science & Technology in UP :-

① Health :- Digital Health Services like "Lab-Report", "e-Sangivahini" for universal Healthcare.

② Agriculture :-  
 ) Krishi Vigyan Kendra.  
 ) Soil testing portal  
 ) Drones for Agri-use.

1) Nano-fertilizers.

3) Space Technology -



\* RBACS Regional Space Academic Centre. (BHU)

\* ~~RSAC~~ RSAC - Region Remote Sensing Academic Centre (ISRO)

④

\* Education :-

\* Development of Laboratory in Schools & Colleges.

\* Atal tinkering Labs.

⑤ Environmental protection :-  
 " Miyawaki" technique for fast Reforestation during Mahakumbha (2025)

⑥ Genetically modified Crops -  
 ex. Drought resistant crop of millet

⑦ Defence Technology.  
 ex. production of Brahmos missile in Lucknow

⑧ Defence industrial corridors.

UP has 31 SEZ & 41 IT parks contributing to Research & Innovation in Science & Technology.

**Feedback**

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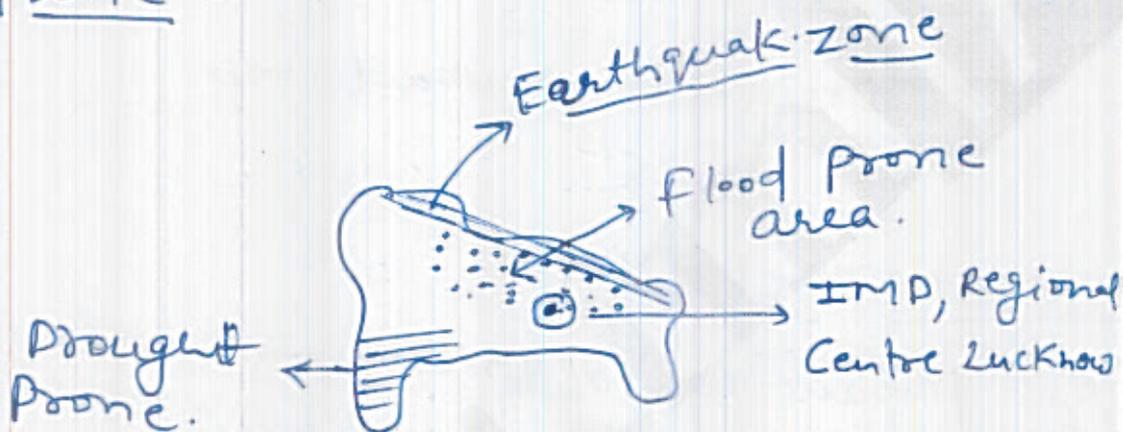


Q.20) What are the challenges related to weather forecasting in the state and suggest measures to solve it.

राज्य में मौसम पूर्वानुमान से सम्बंधित चुनौतिया कौन सी है तथा इसके निराकरण हेतु उपाय बताइए।

(12 Marks)

Around 7.3% of Geographical area of Uttar Pradesh is flood prone.



Weather related map of UP

Challenges related to weather forecast :-

① Asymmetric Nature of weather phenomena.

- ② Inadequate technological advancement to predict accurately.
- ③ Digital Divide in the State  
 ↓↓  
 People could not get information timely.
- ④ Lack of awareness regarding Government guidelines for upcoming disasters.
- ⑤ more believe in traditional knowledge system.  
 ex. pura chali "To Barish Huyi"

Government efforts in this direction :-

- ① Regional Centre of IMD at Lucknow.

- 2) Regular weather forecasting through public Radio.
- 3) Remote Sensing Centre at Lucknow (ISRO).
- 4) AI-driven weather forecast
- 5) Project Mausam by ministry of Earth Sciences
  - 2000 cr outlay
  - Deployment of 200+ Doppler weather Radars
- 6) ISRO satellite missions for weather forecast.

People should → Regularly check for weather forecasts  
 → Follow Govt. Advisories

Government should enhance the digital Networks for success of weather forecasting.

### Feedback

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P & R			
Please put tick marks in the above table. Here G is Good, A is Average and P is Poor.			
TOTAL MARKS			

## Mentor Feedback Questions

- 1 .....
- 2 .....
- 3 .....
- 4 .....
- 5 .....

### Test Goal

- 1 .....
- 2 .....
- 3 .....

### Outcomes

- .....
- .....
- .....
- .....

## Marking Scheme

Mark	Good	Average	Below average
10 Marker	3.75 - 5.0	3.0 - 3.5	< 3.0
15 Marker	5.75 - 7.0	4.0 - 5.5	< 4.0
20 Marker	7.75 - 10	6 - 7.5	< 6
	Key / Relevant Point		
	Vague / Irrelevant		

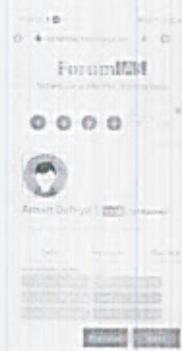
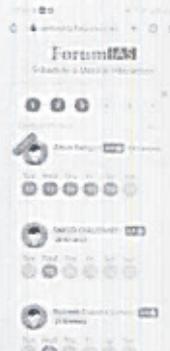
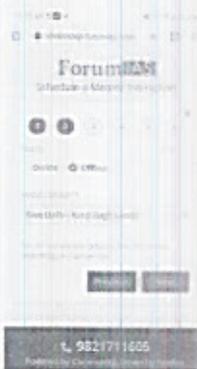
\* Subject to change without prior notice.

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