



## Acknowledgement

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## Questions

1. What do you know about semiconductors? What is its significance in India's future?
2. What is chatGPT? How does it works? How does chatGPT know that the answer it is generating is correct?
3. What is new about generative AI, what is its significance? What do you know about CHATGPT?
4. Can AI replace middle level workers and employees?
5. Explain about NFT.
6. Should computer learning be included as a separate discipline in engineering?
7. Can AI cause the end of civilization? What are the treaties and laws existing to regulate AI?
8. What is quantum entanglement? Why is it being talked about recently? What are the scientists saying about time and space with respect to it?
9. Why did automated cars not perform well in the market? How are different softwares of different companies affecting the implementation and uptake of self-driving cars?
10. Chat GPT- Who introduced it? What are the issues surrounding it? Does it replace government assistants?
11. What is RPA?(Robotic Process Automation) Examine RPA in context of 4th IR?
12. Are you aware that Chatgpt was not able to clear upsc? But you have cleared.Don't you think you are more intelligent than Chatgpt? Why was it not able to clear?
13. What is AI and its future in india specific to public administration?
14. Do you think AI can replace the civil servants in future?
15. Do you think rise of AI will threaten role of assessing officers in coming 25-30 years?
16. If man fails machine saves, but if machine fails men die. Explain
17. What is Quantum computing and what are its challenges?
18. Why does electronics and communications go together not let's say electrical and communications?
19. Tell me advantages of 5G over 4G apart from more capacity?
20. What is data lake and data warehouse?
21. What is your opinion about additive manufacturing is democratisation?
22. What is internet of things? Give an example
23. Why have the battery size in mobiles reduced drastically? What material in chips is used for heat management?
24. What is Solar Cell. How does it work?
25. Explain about Artificial neural network
26. AI: Give future and prospects. You mentioned challenges. What are they? Why there is a racial bias in AI?

27. Use of Technology in Umpiring in different sports: Will it make Umpiring redundant?
28. What are the different types of drones?
29. Differentiate between cloud computing and cloud cover? What are the issues faced by cloud computing?
30. Differentiate between heavy and light-weight AI
31. What is 3D printing? What are its uses?
32. What is Rapid prototyping? Why do we do it? Can we use it as a manufacturing technique?
33. What is Smart IT in news?
34. What is CRISPR-Cas9 ? What are its uses ?
35. Recently there was a surgery in UK related to genetics. Are you aware about it? (Mt-DNA) Elaborate it.
36. Why is National Technology day celebrated in the month of May?
37. Differentiate between 3D, 4D and 5D printing
38. How can cyber physical integration be done?
39. What is 5G? How it will affect US and UK?
40. Which is the largest telescope in the world?
41. Differentiate between digitisation and digitalisation.
42. What is the problem of the electric vehicles we are facing and how this problem can be solved?
43. What is fission reaction? What do you know about controlled and uncontrolled nuclear reaction? Differentiate between fission and fusion reaction
44. What are the current applications and future applications of satellite imagery?
45. What are the technologies needed in remote sensing?
46. Do you use Chat Gpt?How will it impact our future? Describe about AI and it's potential.
47. What is augmented reality and what is virtual reality?
48. What is deep fake ?
49. What is gene? What programs do we have w.r.t genes? Which tool is used for gene editing? What is fullform of CRISPR Cas9? Who invented it?
50. What are applications of Cryptocurrency, Blockchain technology?
51. You must be knowing about GPS System. In no time it is able to provide you exact information about locality. How does it happen?
52. What is 5g and it's benefits? Elaborate on 5g bands and their uses?
53. Will AI replace humans? AI will become even better in the future. So, don't you think it will replace humans in distant future?
54. What is DNA fingerprinting?
55. What is disruptive technology? Give an example
56. What guidelines does telecom ministry have issued for 5G? What mistakes India have committed in rollout of 5G?
57. How world wide web works? What is Web 3.0, how it is different?
58. We have google, ChatGPT and AI for knowledge and decision making now. Then why do we need civil servants?
59. What do you know about Chandrayaan I and Chandrayaan II?
60. In countries like the US, wealthy businessmen are entering space exploration. Is it all for fun or anything else? Should the private sector be allowed to participate in space exploration? What's your take on it?
61. What is the difference between a CNC and a robot?
62. What do you know about balloon technology? What are its uses other than surveillance?
63. What is GIS? How it can be used in administration? How is GSI used in flood management? What other geological survey related program of Govt do you know of?
64. What's Industry 4.0? How will it impact employment opportunities?
65. What are the potentials of space sector in India? Who launched first private rocket in India?
66. Can you tell us about the specifications of TEJAS LCA?

67. How people make 3D projections in movies? What is the technology used?
68. Tell me about the technologies that were used in Qatar World cup?
69. List out three major finding of India in space sector? What was Chandrayaan 1 findings?
70. Explain why we put communication satellites in Lower Earth Orbit?
71. Can AI replace books? What would be the status of books and writers in future? Which are the areas in which AI can actually be beneficial? Is technology going out of control? How should it be regulated?
72. What is your view on onus and responsibility on data and control of big tech companies? How to regulate them? Which laws are applicable? Are they responsible for the data and information which they provide?
73. What are the uses of technology in government? How to leverage it especially in disaster management ?
74. Why is 5G late in India? What can be it's impact?
75. There is some project of Elon Musk regarding internet. What is it? Is it having any security implications on a country like India?
76. What are the apprehensions raised by people like Elon Musk regarding AI?
77. How does Chat gpt work?
78. How can translation be done in local languages of various things in digital domain?
79. What is cryptocurrency? How is it mined? What are the types of cryptocurrencies?
80. In the sphere of AI and other technology, where is India compared to other countries? Why?
81. What is the starlink project of Elon Musk and its role in Russia-Ukraine war? Why are we not producing people like Elon Musk?
82. What are we doing in the technologies and semiconductor industries? How many industries are approved under Design Linked Incentive scheme?
83. What is the status of our start-up sector? Will it help India?
84. What are the advantages of 5G? Is it only significant for speed and latency?
85. Tell me what are government institutions which make softwares. Why promotion of BPO is needed?
86. What is nanotechnology? Should we make it a different stream all together?
87. What is stealth technology?
88. What are meta materials?
89. What is invisible clock?
90. How 6G will help in India's growth?
91. What is the technology used in autonomous vehicles? Elaborate upon autonomous steering?
92. What is the 5G frequency range?
93. What is Blockchain Technology? Who owns the data in this? Can anyone modify the data?
94. Why india not getting nobel in physics? Who was the last Indian to get Nobel Prize in physics?
95. Tell me what is AI, VA and chatbot? What are the differences between these 3 and give use of each? Is Siri a chatbot or VA? What is GPTO?
96. What do you think on Elon Musk's idea of Twitter?
97. A new vision document for 6G is released, what difference would it make? Should we be pursuing such technologies even when our society doesn't even have the basic item required to access 5G?
98. Which technology is taking over optical fibers in the present time? What is the fundamental difference between 2g, 3g, 4g and 5g?
99. What is 5G? Can it become global standard in future? What are issues
100. What are the uses and impacts of AI? You would have know about ChatGpt failing to qualify UPSC prelims. Why you think it had happened? Tell me about the use of tech in education and health. What happened in AIIMS(Hack)? What do you know about Data Protection Law?
101. What is technical difference between chatGPT and bard?
102. What are the uses and impacts of AI? You would have know about Chat GPT failing to qualify UPSC prelims. Why you think it had happened? Tell me about the use of tech in education and health. What happened in AIIMS(Hack)? What do you know about Data Protection Law?

103. What is the difference between tactical and strategic nuclear weapons?
104. What is meta verse? What is your opinion on sexual harassment in meta verse and what should be the regulations? What is NFT? What are the advantages?
105. What do you understand by space debris? Any incident of collision in space? What was the name of the satellite used in India's reentry experiment?
106. What is the difference between digital money and cryptocurrency? Do you think crypto currencies are dangerous? Is it good to have backing of central banks?