



Date : 14/10/2020

## OCS (MAIN) FULL LENGTH TEST SERIES 2019

Test No. 9

SCIENCE & TECHNOLOGY

Time : 2 Hour  
Full Mark : 200

Answer (Any ELEVEN) of the following questions on your own language in not more than 125 words. [10 x 11]

1. What you mean by environmental pollution? Explain the steps taken for a sustainable ecosystem.
2. Explain about the different kind of Rocket Engine developed by ISRO.
3. What are the different stages of India's peaceful Nuclear Programme? Explain about the First stage of Nuclear Programme.
4. What is plasma therapy? Why it's so important no?
5. Why Stem cell is so significant to address future medical complexity?
6. What you understand by cyber security? Explain why our vulnerability is gradually increases against cyber threat.
7. "Nano Technology is going to revolutionise all aspect of our life" comment.
8. Explain different kind of wireless communication system based on coverage area.
9. What is Analytics? Explain the utility of Analytics in reference to Big Data.
10. What is super computer? What are its uses in special reference to Indian super computer?
11. Write a short note on 5G-technolog. Explain the advantage of 5G over 4G technology.
12. What is "Hardware" and "Software" in computer technology? What are the different kinds of software?

13. What is ICT? Explain with examples how does ICT affect your day to day life style.

14. What is C.N.T (Carbon Nano Tubes)? Compare the advantages of CNT is relation to Graphene.

15. What is COVID-19 Pandemic?

16. **Short Notes (Any FIFTEEN) in 50 words.**

**[6 x 15]**

- (a) GAGAN
- (b) Transfer Orbit
- (c) Agni-V Missile
- (d) Ecological Niche
- (e) Green Climate Fund
- (f) Biodiversity Hotspot
- (g) Ozone Holes
- (h) Red Shift Effect
- (i) Microprocessor
- (j) Pratyush Super Computer
- (k) Cloud Computing
- (l) Red Biotechnology
- (m) Totipotent Stem Cell
- (n) VoLTE
- (o) Wi-Max
- (p) Hot Spot
- (q) EDGE (in Telecommunication)
- (r) VIRUS
- (s) INTERNET
- (t) IPv6
- (u) Graphene
- (v) 4<sup>th</sup> - Generation of Computer
- (w) Li-Fi
- (x) TCP/IP