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**GS-III Awareness in the fields of IT, Space, Computers, Robotics, Nano-technology.**

**1. Explain in detail about the 5G technology and Various Applications associated with it.**

**Why this Question?**

- With social distancing being the norm, dependence on telecom and internet infrastructure has become a necessity.

**Key Demands of Question:**

- Explain the 5G technology and its various applications and challenges involving in Implement Them.

**Directive word:**

**Explain:**

- Here the student should clearly express why something happens, or why something is the way it is. He needs to look at a subject in depth taking note of the detail and if appropriate, consider the implications, and should explain them in good simple language.

**Structure of Answer:**

**Introduction:**

- Explain the 5G technology and its importance.

**Body:**

- Explain in detail about the 5G technology and mention how it differs from the current technology.
- Discuss the various applications associated with the 5G. For example, in healthcare, real time information, in transport infrastructure like smart vehicles, etc.
- Discuss the challenges in adopting the 5G Technology in India.

**Conclusion:**

- Conclude with the significance of the 5G Technology.