**Q: What are the top 10 emerging technologies in the next 5-10 years (2020–2025)?**

Ans:

**2020**

* Internet use reaches 5 billion worldwide•
* The 5G standard is released•
* Texting by thinking•
* Complex organ replacements grown from stem cells•
* The first stem cell therapy for congestive heart failure•
* A cure for malaria•
* 30,000 drones are patrolling the skies of America•
* Mars 2020 rover mission•
* The first test flights of NASA's Quiet Supersonic Technology•
* The PlayStation 5 is launched

**2021**

* The ExoMars rover touches down on Mars•
* The James Webb Space Telescope is launched•
* Male birth control pills are entering the market•
* The world's first artificial kidney•
* Launch of the Terrafugia TF-X flying car•
* The first Arabian mission to Mars•
* India's first manned space flight•
* Wireless electricity is reaching critical mass•

**2022**

* The ITER experimental fusion reactor is switched on•
* Germany phases out nuclear energy•
* The Dark Ages Radio Explorer (DARE) is launched•
* Water is becoming a weapon of war•
* Nanotech clothes are growing rapidly in use•
* Driverless hover-taxis are operational in Dubai

**2023**

* The Aerion AS2 supersonic jet enters service•
* First crewed flight of NASA's Orion spacecraft•
* Launch of the Wide Field Infrared Survey Telescope (WFIRST)•
* Laser-driven fusion energy makes progress•
* Brain implants to restore lost memories•
* Borneo’s rainforests have been wiped from the map•
* Driverless high-speed trains begin operating in France•

**2024**

* Open-source, 3D printed clothes at near-zero cost•
* The first probe to fly into the Sun's outer atmosphere•
* Lunar Mission One drills into the Moon's south pole•
* Bio-electronics for treating arthritis are in common use•
* Carsharing has exploded in popularity•
* Wind turbine drone inspection is a multi-billion dollar industry•

**2025**

* A billion human genomes have been sequenced•
* Human brain simulations are becoming possible•
* 3D-printed human organs•
* Solid waste is reaching crisis levels•
* The first test flight of the Skylon spaceplane•
* The first manned flights from Russia's new spaceport•
* High-speed rail networks are being expanded in many countries•