**Unit 9 – Globalization Topic 9.1 – Advances in Technology and Exchange After 1900**

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| **Technology and Innovation**Human adaptation and innovation have resulted in increased efficiency, comfort, and security, and technological advances have shaped human development and interactions with both intended and unintended consequences.  |
| **Learning Objective** | **Historical Developments** | **Study Guide Notes** |
| Explain how the development of new technologies changed the world from 1900 to present. | New modes of communication—including radio communication, cellular communication, and the internet—as well as transportation, including air travel and shipping containers, reduced the problem of geographic distance. |  |
| Energy technologies, including the use of petroleum and nuclear power, raised productivity and increased the production of material goods. |  |
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| More effective forms of birth control gave women greater control over fertility, transformed reproductive practices, and contributed to declining rates of fertility in much of the world. |  |
|  | The Green Revolution and commercial agriculture increased productivity and sustained the earth’s growing population as it spread chemically and genetically modified forms of agriculture. |  |
| Medical innovations, including vaccines and antibiotics, increased the ability of humans to survive and live longer lives. |  |
| **Respond to the Learning Objective:** |