

Q. ① Briefly describe the most popular and accepted theory about the origin of Universe?

The most popular and accepted theory about the origin of Universe is The "Big Bang Theory". It is the leading explanation about how the Universe began.

1) Big Bang Theory:

According to this theory, the entire Universe was inside a small bubble which was thousands of times smaller than a pinhead and was called as singularity. It was hotter and denser than anything one can imagine. When it exploded, the universe was born along with time, space and matter. With a fraction of second, it grew from small than a single atom to bigger than a galaxy, and kept on growing at a fantastic rate. It is still expanding today.

It took the universe about 300000 years to cool about

300 degrees so that atomic nuclei could capture electrons to form atoms. The universe was filled with clouds of hydrogen and helium gas. These clouds of dust and gases formed all celestial bodies afterwards.

