

## Most popular and accepted Theory about the Origin of Universe:

No need for a introduction for a 5 marks answer

### Introduction

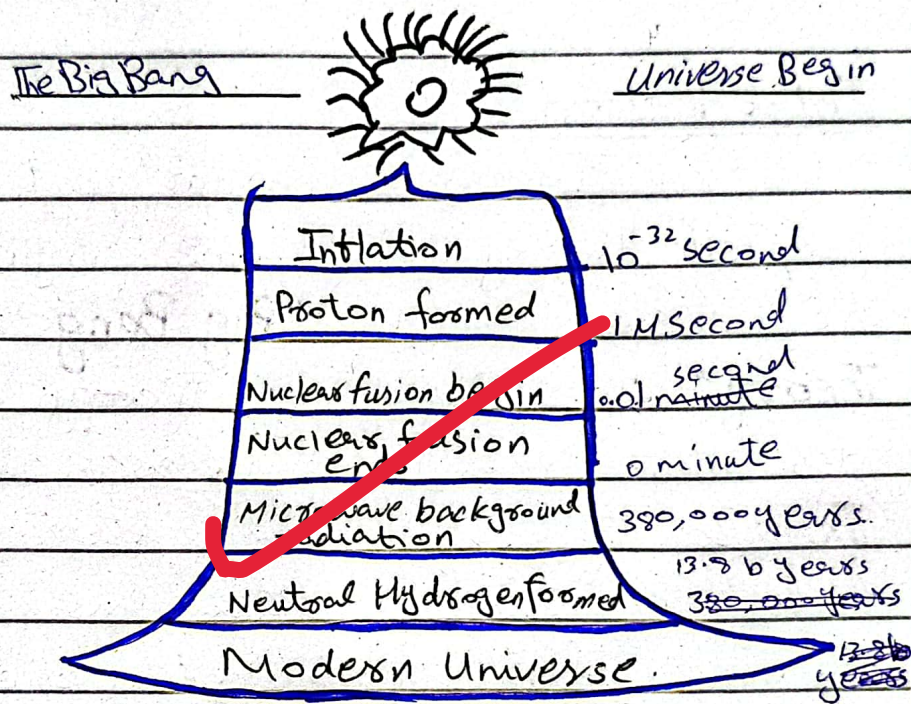
The most popular and accepted theory about the origin of universe is the "Big Bang Theory". The Big Bang Theory describes how the universe came into existence. How matter, time and space created. This theory also gives the possible age of universe. It is strongly supported by the evidences and also provide possible future of universe.

### The Big Bang Theory

According to the Big Bang Theory, universe came into existence some 14 billion light years ago from a 'singularity'. As the name of theory suggests a big explosion occurred in the



the singularity due to which matter, time and space created at the same time.



The Big Bang theory argues that universe is expanding faster than the speed of light. In the start as the universe expanded and cooled, the matter and the antimatter formed. They both cancelled out each other. But during this procedure some matter was escaped from the cycle and after three minutes of universe creation, one billion degree celsius temperature



was dropped resulting into the formation of 'Hydrogen and Helium'

## Evidence for the Big Bang Theory :-

There is plenty of evidence that supports the Big Bang theory. Some evidence are listed below.

### The Red radiation from Galaxies:

As the Big Bang theory argues that universe is expanding, this has been proved by the current technologies. The light measured from the near galaxies of earth have blue radiation. The light coming from the far galaxies is red. The red radiation proves that the galaxies are spreading away from the Earth which means universe is expanding. It's expanding from the speed that is <sup>faster</sup> higher.



than the speed of light.

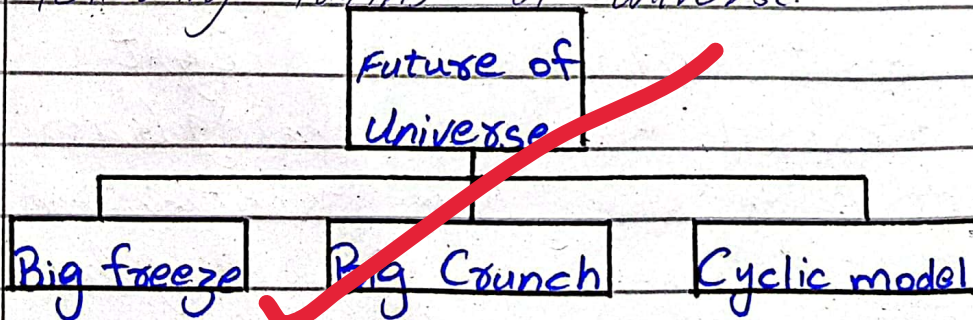
## The existence of microwave radiation in space:

The cosmologist Wilson with his colleagues ~~was~~ discovered the cosmic microwave background radiation in space in 1964.

This proved the authenticity of Big Bang Theory.

## The Future prediction of Universe:-

The Big Bang theory gives following futhrs of universe.



Big freeze: Universe keeps on expanding

Big Crunch: Universe stops expanding and starts to contract



kindly mark out of 5

resulting into, again, singularity.

Cyclic Model: Some theorist believe that universe will continue to expand and contract. Thus, resulting in a cyclic model.

Conclusion:

The Big Bang theory is accepted world wide. It gives the insight of how matter was formed and current galaxies in universe came into existence. More, important it also gives predictions about the future of universe. Therefore, the Big Bang Theory is most popular and is accepted by most scientists and people.

give tips to improve presentation.

Conclusion not needed as well.

Overall, good attempt!