Briefly describe the most popular and accepted theory about origin of universe. (2021)

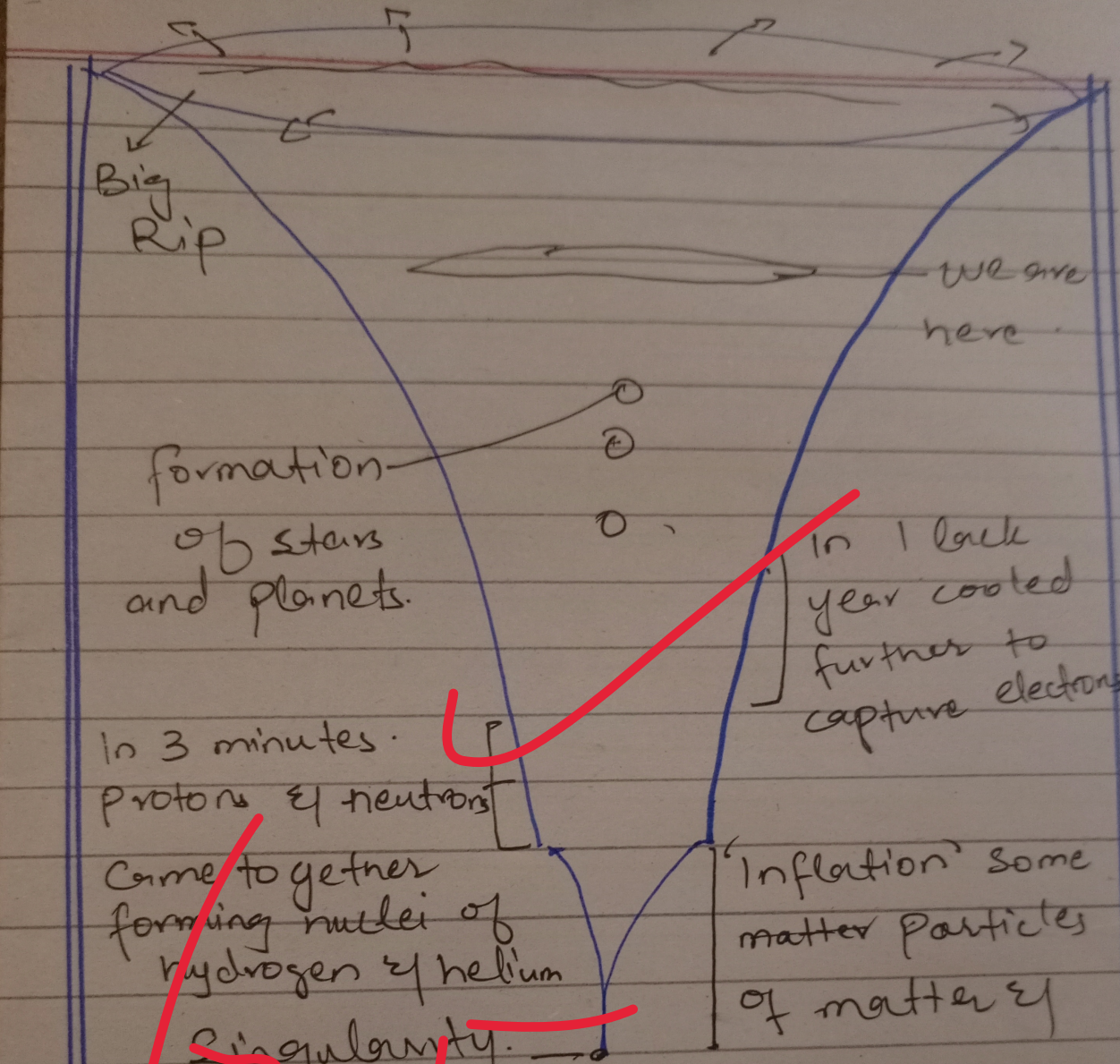
THEORIES ABOUT ORIGIN OF UNIVESE

i) Steady state theory.
ii) Cyclic Theory
iii) Plasma Theory
iv) Quantum fluctuation Theory
v) Black hole mirage.

MOST ACCEPTED THEORY

BIG BANG THEORY

Proposed by George Lemaitre. that an "inflation" occured 14 billion years ago. from "singularity" and is expected to rip apart 22 b.n years from today.



3.5

EVIDENCE

i-Red shif of light of stars and planets.

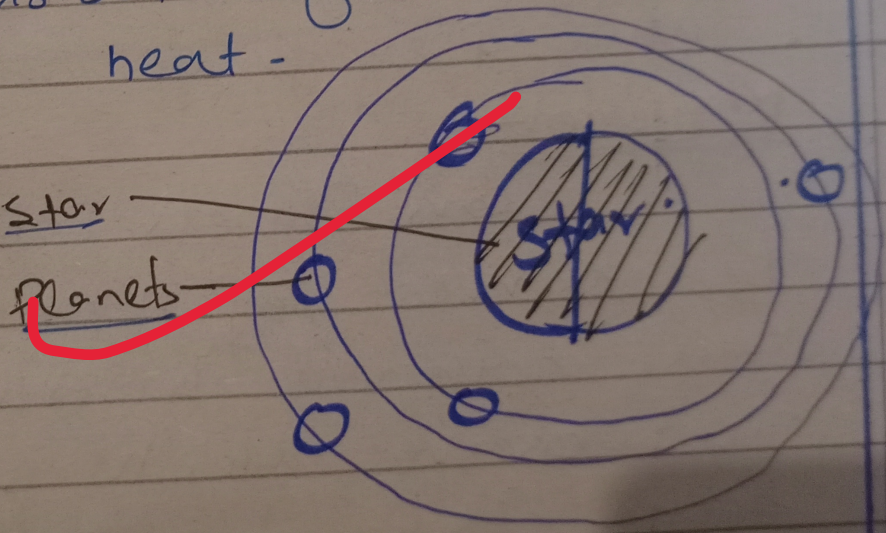
ii Cosmic microwave background radiation. from heat left over.

Diff b/w star and planet.
. magnitude of star & its
its correlation with color
with temperature - (2021.

Stars Verses Planets.

Defination.

Star - According to NASA - star is a hot giant ball made of helium and hydrogen, the nuclear fusion of which emits light and heat.



Planet

A celestial body which revolves around the Sun - (Acco-rding to NASA.

Temperature

Stars have high temperature while planets have lower.

Size

stars are larger than planets.

Light and Twinkle

Stars emit their own light while planets reflect back the light of stars. Stars twinkle while planets do not.

Movement

Stars Planets movement can be observed by human while stars movement is extremely slower to observe. which is why appear static.

Magnitude of stars.

It means the measurement of their brightness. However the more they are bright the lower the magnitude

Sirius the brightest star has -1.46 magnitude while Sun has -26.x

Correlation of temperature of star with its colour.

Stars are too hot to measure its temperature manually. ~~the~~ Its colour is used to determine its temperature

Bluish white	35 000°C
Yellow	6000°C
Red	3000°C