Q. No. 3

- a. Global warming is a wild beast and we all are poking at it which sticks, justify.
- b. What is the origin of universe, how age of universe can be calculated?
- c. Write a short note on semi-conductors.
- d. What is eclipse? Distinguish between solar and lunar eclipse.

Q. No. 1 a. Answere INTRODUCTION: Industrial and Agriculture revolution have contributed tremendously towards socio-economic, political and cultural. development of the world. However, due to those revolutions, the intensity and frequency of human entergerence, within the environment have increased which triggred global worming.
Anording to tock, an average and gradual Prozece in the temperature of Earth's atmosphere is ealled global warming. How global warming is akin to a wild beast; The raising temperature of the Earth surface has grave repercussion It leads the world towards bio-diversity loss, glacier multing, raise en see level, wild forest burning etc. An Prezense in 305°C could

uving shirs extinguish 70%. 9 Thus, global warming is akin to a wild beast. How Human Poking the Wild Beast (Global Wormins) with shocks; Bing aware of the grave consequences of global warming,
the raibon gases have shall been omisting to emitting. For example, the USA is emilling us, of Guighlight the references and China 30%. respectively comments ord China 30%. respectively comments as leasing earbon gases respectively. Consequently, the enhanced green house goses has posent an existential threate to human, by becoming of alein to a wild beast. Discuss this part in a bit more Conclusion; detail The raising temperature of the Earth has potential to extinguish living thing. However, instead of the grave eonsequences of ut, humans have

been discharging the green house to the atmospheres gases b. Answer. Universe. The orgin The orgin of universe is Big Bong. Initially, there was a extremely dense posticle with a extremely concentrated energy, Whon this uniparticle burst, the universe came Prito existence and it still spreading Univery 6. Discuss more about this Age of Universe Since the universe come to exist, it expond with a certain velocity. let that volucity is 'V' and the Vis directy proportional to distance 7 ozisin.

50 Vdd V=Hod Ho= Hubble Conston + Ho= 2.2 x10 85 we ignow that Hod = d =406 x 16 secon f= 1404 ×109 years c. Answer: Sami-conductors: Sami-conductors are material which conductivity is an between conductoes Prisulators. Common

Discuss by giving subheadings types include silicon and germanium, and they are crucial in electronic devices. There are two man types. Intzinsi'c (pura) samicondutors and extrinsi'c (doped) semi onderfors. Doping introduces empuzities to alter conductivity, creating N-type or P-type semilonductors hole N-+10 e > gree electron

C. Answer' Eclipse: obscuring onp astronomical object by anotho, astronomical object us called eclipse, 50/02 between Pillerence. and Lunez eclipse Add atleast 5 differences between the Earth twom Preferably in table Lunaz: form Sun in between the When earth us moon and Sun is called lund ? eclipse. Solar Edipse ; When moon gun and the Earth called soloz e clipses