Q.30 Section #2 relative brightness On Time The observation made by Astronomers to identify a star is doney by abserving the changes in brightness. aii) Binary stors are important a erning stellar masses as & the size and brightness of the star can then reveal its arecept mass & bunary star Systems mass can be determined they and or calculated by examining brightness, luminosity, size and collour of the star, by comparing the stor two stars, and how the eclipse cade other

Mina Centauria, Calande 21185 TAKINAT 100 (MB-MA. MB-MA) 5 Tho (Angular) = 180 (11.01 - 10.37) # Rossi 54 is 0,240 (sdp) by Proxima Centauri. 111 - Au arcsec Star × \* Star Congly in distance Parralax angle. ) p

& white dwarf Q-red dward &- Saper pova Pothe grant Sta Hospita white Dwarf will be found at Sbecause it is a star that has part just be born and maturing (ii) A white doorf "White Pworf does not continue to shrink in size because it is still mataring and still has plenty of helium and hydrogen left in it, and it will only get ligger. (11) Nuclear fasion - This is happening begins de to the burning of hydrogen and contuning to release a large amounts of heart and the still and continuing to happen for a very long time.

30d) Adaptive optics has improved esolution of and sensitivity of ased astronomy in many ways a as helped with the overcoming the the atmosphere and bulance" in imposed sensitivity by being effective in its use an efficeent. The hubble telescope helped with ohn of tage vation catch in space beaugra helping worth mages and also help mages as