C.	What do you understand by the forms Critical velocity and resignessness.  (1.5+1.5)  a. What services are a services and services are a services are a services are a services are a services and also calculate its efficiency. Why do we say that
	Critical velocity and (1.5+1.5)
Q.!	a. Carnot Engine? Explain its
	Working steps, graphical sketch and also
	Carnot cycle is reversible? (00)
b.	Prove Boyle's law and Charles' law on the
	basis of kinetic theory of gases. (04)
C.	Find the average speed of Oxygen molecule in the air at ST.P. (03)
Q.	6 a. What is Doppler's Effect? Discuss
	the Molowing cases of Doppler's effect
	when:
(i)	Both Observer and Source are at rest
(ii	Observer moves towards stationary Source
(ii	Observer moves away from stationary Source
(iv	🏮 💆 그게 하면 어떻게 살아보니 이 사람들이 되었다면 하는 것이 없어 없는 것이 없었다면 이 없는데 하는데 그래요. 나라 다른데
(1)	Observer
(٧	
	Observer What are beats? Explain it with the help of
b.	example as well as graphically. Also mention some of the same (04)
	A stationary wave is tablished in a string
C.	which is 120 cm and fixed at both
	ends. The string war les in four segments
	at a frequency of 120 Hz. Determine its
	wavelength and the fundamental frequency.
	(03)
	[ [ [ [ ] ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]