

(2)

Ques
Ans.

(i)

~~Part~~

Working!

- (i) There are 3 elements made
- (ii) ~~Part~~
- (iii) Yagi antenna operates in HF & UHF range (3MHz - 30MHz)
- (iv) Power applied to driven element. These signals are radiate
- (v) Directors & Driven gain add in forward direction

(b) Illustrate with neat diagram and design equations the working of log periodic antenna.

Ans: Log periodic antenna

The construction and operation of a log-periodic antenna is similar to that of a Yagi-Uda antenna. It has the same ~~radiation~~ radiation resistance and therefore the same SWR.

(iii) The gain and front-to-back ratio are also the same.