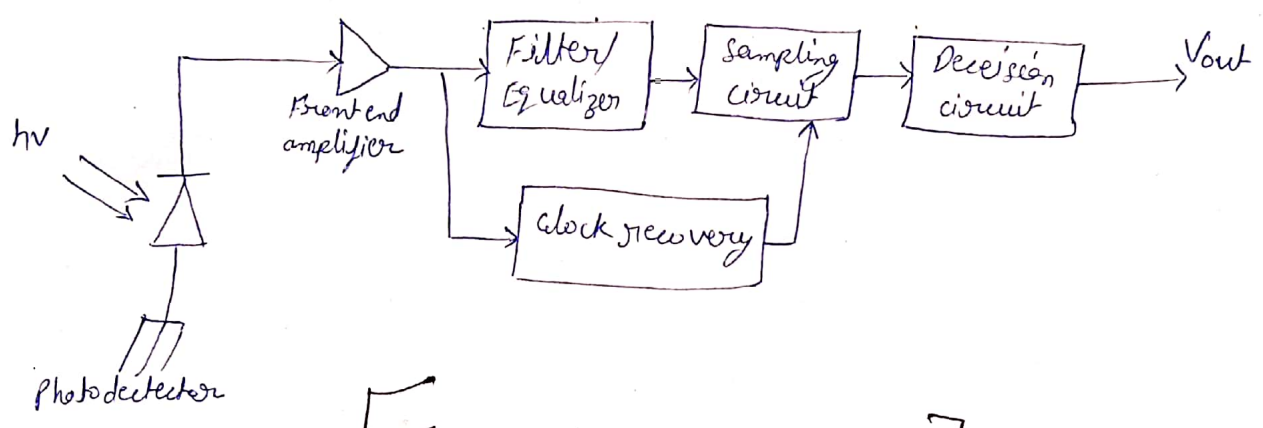


Question-1 section-2

Answer Optical Receiver

The optical receiver is a critical element of an optical communication system since it often determines the overall system performance. The function of the optical receiver is to detect the incoming optical power and extract from it the signal (either analog or digital) that is being transmitted.



The basic sections of an optical receiver

⇒ Optical Receiver operation :-

optical receiver consists of :-

- (I) Photodetector
(II) Amplifier
(III) Signal processing circuit.

- > converting the optical energy emerging from the end of a fibre into electrical system.
-> Amplifying the signal.
-> signal processing by electronic circuit following the receiver amplifier.