

for Instant Revision



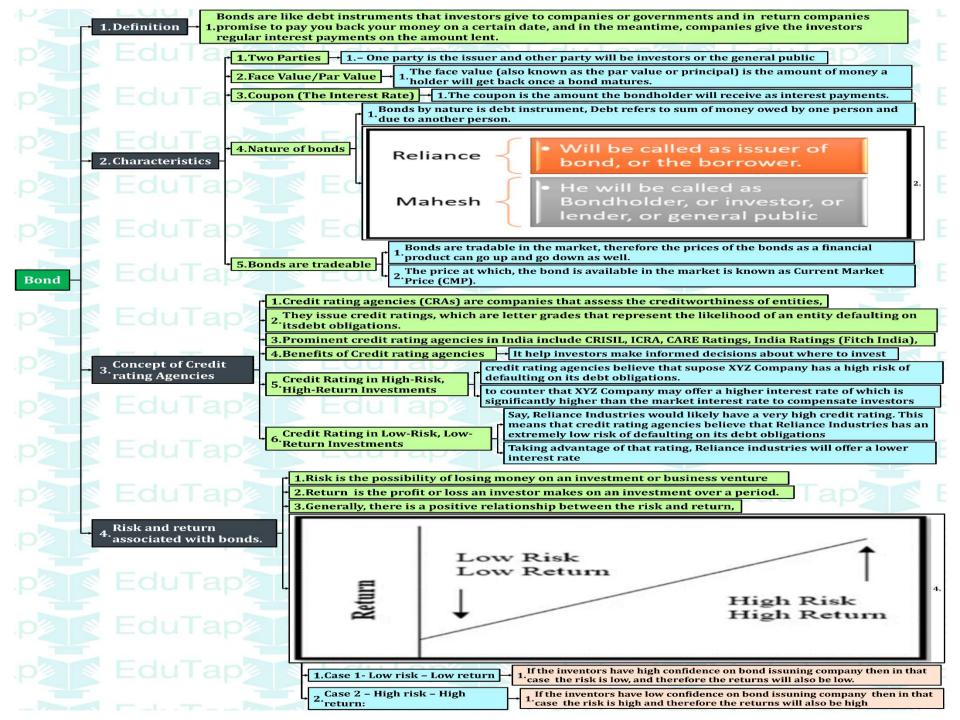
**Bonds** Market

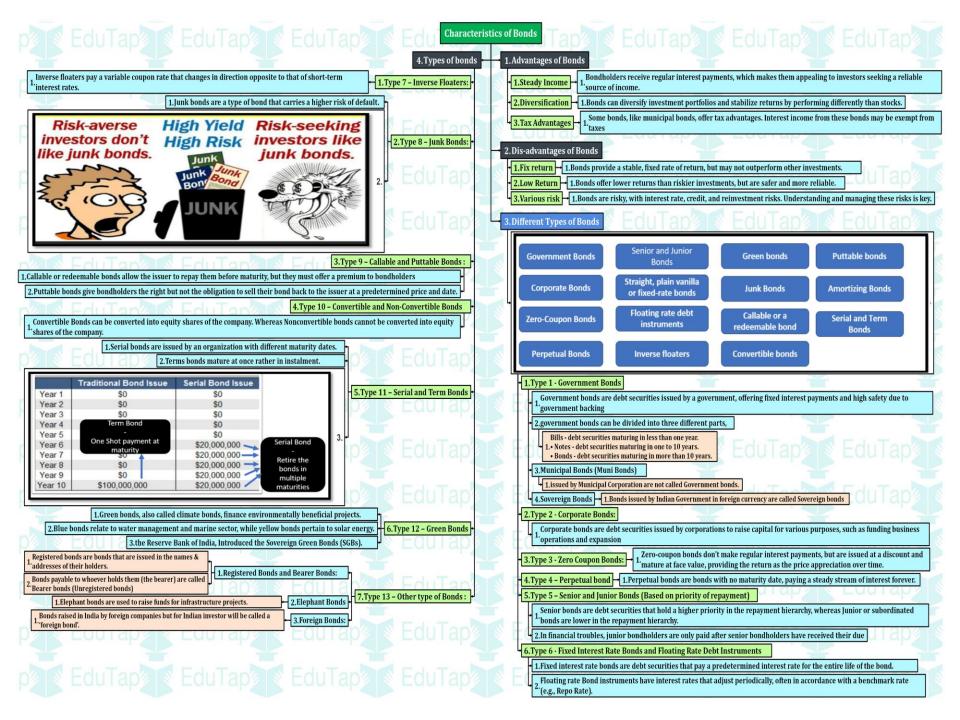












1. What is Bond Yield

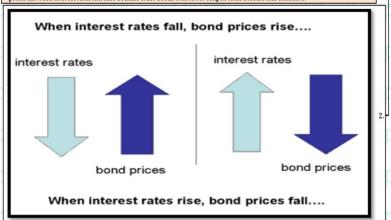
2. Yield to Maturity

## 3. Relationship between bond price, Interest Rates and Yield.

1. Relationship 1 - Bond Prices and interest rate are negatively co-related.

1. How does Decrease/increase in Interest Rate Results in Increase/descrease in Bond current Price

1 Bond prices increase when interest rates decrease because older bonds with higher coupon rates become more attractive. Bond
1 prices fall when interest rates increase because older bonds with lower coupon rates become less attractive.



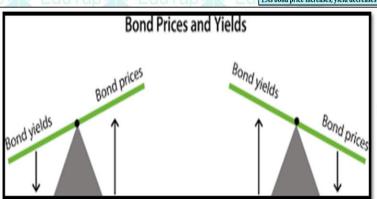
2. Relationship 2 - Interest Rates and Yields are positively co-related.

1.Bond yields increase when interest rates increase.

Yield = Coupon amount/Current Market Price of the bond\*100

3. Relationship 3 - Bond Prices and Bond Yields are Negatively co-related

1.As bond price increases, yield decreases



1.A bond's yield is the return an investor expects to receive each year over its term to maturity

2. The formula to calculate yield is: Yield = Coupon amount/Current Market Price of the bond\*100

3. Calculate the yield for a bond with a face value of Rs. 1,000, with an 8% interest p.a., and a current market price

4. Higher the market price of the bond (in comparison to face value of bond), lower will be the current yield on the bond and vice versa. This is 4. because the bond's coupon payment is fixed.

Difference between Yield and Interest received on Bond		
Basis of difference	Interest	Yield
Meaning	Interest on bonds, also known as the coupon payment, is the fixed and predetermined amount that the bond issuer pays to bondholders or to investors as a compensation for borrowing their money.	Bond yield is a measure of the total return an investor can expect from a bond. It considers the interest payments, the purchase price of the bond, and its current market value.
Changes	Interest Rate which borrower is paying to the investor remains fixed.	Bond Yields can go and up down based on the current market prices of the bond. Therefore, its not fixed.
Determined	Interest is determined by the Face value	Yield of the bond is determined by the Bond's Current Market Prices.
Relevance	Interest is essential but doesn't account for the bond's market value changes, making yield a better gauge of performance.	Yield provides a more comprehensive view of the bond's overall performance and return potential.

Yield to Maturity is the total return an investor can expect from a bond if held until maturity, considering its current price, coupon payments, and the 'par value.

In YTM, there are two assumptions-

2. The investor will hold the bond till maturity. That's the first assumption.

YTM also assumes that the coupon payments received from the bond will be reinvested in the same bond at the prevailing Interest Rates.

The formula to calculate YTM is:

Yield to Maturity = Annual Interest +

Par Value - Market Price

Number of Years to Maturity

Par Value + Market Price

2

4. You are considering the purchase of a corporate bond with a face value of ₹1,000 that matures in 5 years. The bond pays an annual coupon of ₹60, and tit is currently trading in the market for ₹950. Calculate the YTM for this bond.

1.YTM = 60 + 1000-950/5 1000+950/2, YTM = 7.18%

