**Caselets on Computation of Bond Current Yield- Yield to Maturity ad Yield to Call**

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**Tata Green Energy Bond Caselet**

Tata Green Energy Ltd. issued a bond on **February 15, 2017** with a **maturity date** of **August 15, 2027**. The bond has a **coupon rate** of **5.50%** (semi-annual payments) and was issued at a price of ₹975, with a face value of ₹1,000. The **required return** on this bond is **7.25%**, and the **day count convention** used is Actual/Actual. Additionally, the bond has a **first call date** on **August 15, 2023**, with a **call premium** of **5%**.

1. Compute the **Current Yield** of the bond.
2. Calculate the **Yield to Maturity (YTM)** of the bond.
3. Determine the **Yield to Call (YTC)** of the bond assuming it will be called on the first call date.

**Reliance InfraBond Caselet (2018 Edition)**

Reliance InfraBond . issued a bond on **February 15, 2018**, with a maturity date of **December 15, 2028**. The bond carries a **coupon rate** of **4.75%** (quarterly payments), priced at ₹24,250, with a face value of ₹25,000. The **required return** on this bond is **8.50%**, and the day count convention is **Actual/360**. The bond has a **first call date** on **August 15, 2023**, and offers a **call premium** of **5%**.

**Tasks for Students**:

1. Compute the **Current Yield** of the bond.
2. Calculate the **Yield to Maturity (YTM)** of the bond.
3. Determine the **Yield to Call (YTC)** of the bond, assuming it will be called on the first call date.

**Infosys Corporate Bond Caselet**

Infosys Ltd. issued a corporate bond on **January 10, 2024**, with a maturity date of **July 10, 2030**. The bond has a **coupon rate** of **6.25%** (semi-annual payments) and is priced at ₹51,750, with a face value of ₹50,000. The **required return** is **7.45%**, and the day count convention is **30/360**. The bond can be called on **July 10, 2028**, with a **call premium** of **5%**.

**Tasks for Students**:

1. Compute the **Current Yield** of the bond.
2. Calculate the **Yield to Maturity (YTM)** of the bond.
3. Determine the **Yield to Call (YTC)** of the bond, assuming it will be called on the first call date.

**HDFC SecureBond Caselet**

HDFC issued its SecureBond on **June 15, 2024**, with a maturity date of **January 15, 2034**. The bond offers a **coupon rate** of **5.75%** (quarterly payments), priced at ₹1,03,250, with a face value of ₹1,00,000. The **required return** is **7.25%**, and the day count convention used is **Actual/365**. The bond has a **first call date** on **June 15, 2029**, with a **call premium** of **4.25%**.

**Tasks for Students**:

1. Compute the **Current Yield** of the bond.
2. Calculate the **Yield to Maturity (YTM)** of the bond.
3. Determine the **Yield to Call (YTC)** of the bond, assuming it will be called on the first call date.

**SBI Dynamic Bond Caselet**

State Bank of India (SBI) issued a **Dynamic Bond** on **March 20, 2024**, with a maturity date of **March 20, 2044**. The bond has a **coupon rate** of **5.25%** (semi-annual payments) and is currently priced at ₹51,750. The **face value** is ₹50,000, and the **required return** is **6.95%**. The bond follows the **30/360 day count convention** and has a **first call date** on **March 20, 2034**, offering a **call premium** of **6.25%**.

**Tasks for Students**:

1. Compute the **Current Yield** of the bond.
2. Calculate the **Yield to Maturity (YTM)** of the bond.
3. Determine the **Yield to Call (YTC)** of the bond, assuming it will be called on the first call date.

**Adani Ports Bond Caselet**

Adani Ports Ltd. issued a bond on **September 10, 2024**, with a maturity date of **March 20, 2044**. The bond offers a **coupon rate** of **6.75%** (quarterly payments) and is currently priced at ₹26,250. The bond has a **face value** of ₹25,000, with a **required return** of **7.45%**. The **day count convention** used is **Actual/Actual**, and the bond has a **first call date** on **September 10, 2034**, offering a **call premium** of **3.15%**.

**Tasks for Students**:

1. Compute the **Current Yield** of the bond.
2. Calculate the **Yield to Maturity (YTM)** of the bond.
3. Determine the **Yield to Call (YTC)** of the bond, assuming it will be called on the first call date.

**Bharti Airtel Corporate Bond Caselet**

Bharti Airtel Ltd. issued a **Corporate Bond** on **June 10, 2024**, with a maturity date of **March 20, 2034**. The bond carries a **coupon rate** of **4.25%** (semi-annual payments) and is priced at ₹26,250. The **face value** is ₹25,000, and the **required return** is **7.25%**. The bond uses the **30/360 day count convention** and can be called on **June 10, 2029**, with a **call premium** of **3.15%**.

**Tasks for Students**:

1. Compute the **Current Yield** of the bond.
2. Calculate the **Yield to Maturity (YTM)** of the bond.
3. Determine the **Yield to Call (YTC)** of the bond, assuming it will be called on the first call date.

**ICICI Bank Bond Caselet**

ICICI Bank has recently issued a bond on **June 10, 2024** with a maturity date of **June 20, 2029**. The bond pays a **coupon rate** of **5.45%** (quarterly payments) and is currently trading at ₹11,250 against its **face value** of ₹10,000. Investors expect a **required return** of **6.45%**, and the bond follows the **Actual/Actual** day count convention. This bond is callable, with a **first call date** of **June 10, 2027** and a **call premium** of **10.25%**.

**Tasks for Students**:

1. Compute the **Current Yield** of the bond.
2. Calculate the **Yield to Maturity (YTM)** of the bond.
3. Determine the **Yield to Call (YTC)** of the bond, assuming it will be called on the first call date.

**Tata Motors Debenture Caselet**

Tata Motors issued a **debenture** on **June 10, 2023**, with a maturity date of **June 20, 2033**. The bond offers a **coupon rate** of **5.25%** (semi-annual payments) and is currently priced at ₹51,550, while the **face value** is ₹50,000. The **required return** for this bond is **7.25%**, and it follows the **30/360 day count convention**. The bond includes a **call option** exercisable on **June 10, 2028**, with a **call premium** of **4.50%**.

**Tasks for Students**:

1. Compute the **Current Yield** of the bond.
2. Calculate the **Yield to Maturity (YTM)** of the bond.
3. Determine the **Yield to Call (YTC)** of the bond, assuming it will be called on the first call date.

**Power Grid India Bond Caselet**

Power Grid Corporation of India has issued a **long-term bond** on **September 1, 2024**, with a maturity date of **September 1, 2044**. The bond pays a **coupon rate** of **6.15%** (quarterly payments) and is currently trading at ₹1,02,250 for a **face value** of ₹1,00,000. The bondholders' **required return** is **8.25%**, and it uses the **Actual/360 day count convention**. A call option can be exercised on **September 1, 2034**, with a **call premium** of **4.50%**.

**Tasks for Students**:

1. Compute the **Current Yield** of the bond.
2. Calculate the **Yield to Maturity (YTM)** of the bond.
3. Determine the **Yield to Call (YTC)** of the bond, assuming it will be called on the first call date.