



# LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

**B.Sc. DEGREE EXAMINATION – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY**

THIRD SEMESTER – APRIL 2018

## **PB 3511- PLANT ANATOMY**

Date: 07-05-2018  
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

### PART – A

Answer ALL the questions

(10x2= 20 Marks)

1. Define the term Investment.
2. Who are Speculators ?
3. What are Contingent investments ?
4. State any two features of a Bond.
5. What is meant by NAV in mutual funds ?
6. Write the formula for calculating Yield to Maturity.
7. Calculate the Return of ABB Ltd : Purchase price: Rs 120, Selling price: Rs 175, Dividend paid : Rs 5.
8. What is Price-Earnings ratio ?
9. Calculate expected return under CAPM: beta : 1.15,  $R_f$  : 5 &  $R_m$  : 12.
10. Define Fundamental analysis.

### PART – B

Answer any FOUR questions

(4 x 10= 40 Marks)

11. Explain the objectives of Investment.
12. Discuss the advantages of investing in Life Insurance.
13. Calculate the Standard deviation of returns for SO Ltd :

| State of the economy | Probability(p) | Return SO Ltd % |
|----------------------|----------------|-----------------|
| Recession            | 0.25           | 6.50            |
| Normal               | 0.45           | 11.75           |
| Boom                 | 0.30           | 15.45           |

14. Explain the portfolio management process.
15. A company paid a cash dividend of Rs 4 per share on its stock during the current year. The earnings and dividends of the company are expected to grow at an annual rate of 8% indefinitely. Investors expect a rate of return of 14% on the company's shares. What is a fair price for this company's shares ?
16. Discuss the sources of Investment information available for investors.
17. Explain Industry life cycle analysis and the inferences drawn.

### PART – C

Answer any TWO questions

(2 x 20= 40 Marks)

18. Elaborate on the different types of Mutual fund schemes.
19. Discuss the various types of Risks associated with investments.
20. Explain the different techniques involved in the calculation of Time value of money.
21. Elaborate the various factors adopted for assessing the performance of a company.

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