| Name: <br> Enrolment No: |  | UNIVERSITY WITH A PURPOSE |  |
| :---: | :---: | :---: | :---: |
| Course: MBA Core-Finance <br> Program: Investment Analysis and Portfolio Management <br> Course code: FINC 7021 <br> Instructions: Attempt all Questions |  | Semester: II <br> Time: 03 Hours <br> Max. Marks: 100 |  |
| SECTION A |  | $(2 * 10=20)$ |  |
|  |  | Marks | CO |
| Q 1 | Multiple choice Questions |  |  |
| I | On the capital market line <br> a) All efficient and inefficient portfolio <br> b) Only the efficient portfolio <br> c) All the efficient portfolios and securities <br> d) All portfolios and securities | 2 | 3 |
| II | The stock above the security market line is <br> a) Overpriced <br> b) Underpriced <br> c) Appropriately priced <br> d) Of high risk | 2 | 3 |
| III | According to efficient market theorists the stock price <br> a) moves in trend <br> b) each successive change depends on the previous one <br> c) price movements creates patterns <br> d) each successive change does not depends on the previous one | 2 | 2 |
| IV | The price earnings ratio of the stock reflects <br> a) Growth of the company <br> b) Earnings retained and invested in the company <br> c) Dividend pay-out for the company's stock <br> d) Market mood for the company's stock | 2 | 3 |
| V | Sell Reliance X company shares at Rs 60 . This order is a <br> a) best rate order <br> b) limit order <br> c) discretionary order | 2 | 2 |




|  | B | 18 | 1.3 | 16 |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | C | 16 | 1.3 | 16 |  |
|  | D | 12 | 0.75 | 16 |  |
|  | E | 10 | 1.6 | 36 |  |



| V | To adopt the Sharpe index model for a portfolio of 40 stocks, the number of bits of information one needs are <br> a) 80 <br> b) 100 <br> c) 120 <br> d) 122 | 2 | 3 |
| :---: | :---: | :---: | :---: |
| VI | The relationship of stock X's return with the stock index return is given by its correlation coefficient being 0.8 . What is the percentage of variation explained by the index? <br> a) 80 <br> b) 64 <br> c) .60 <br> d) 20 | 2 | 2 |
| VII | Markowitz approach has roots in <br> a) Good portfolio management <br> b) Proper entry and exit in the market <br> c) Estimation of stock return <br> d) Analysing the risk and return to stocks | 2 | 2 |
| VIII | Risk in the purchase of Infosys and Satyam stocks will be eliminated when <br> a) $\mathrm{r}=+0.2$ <br> b) $r=-1$ <br> c) $r=0$ <br> d) $\mathrm{r}=0.1$ | 2 | 2 |
| IX | The spot price of a stock is Rs 20 and the risk free interest rate is $10 \%$. Which of the following is the future price of the stock with simple interest calculations. <br> a) 21 <br> b) 23 <br> c) 22 <br> d) 24 | 2 | 3 |
| X | Market imperfections may lead to <br> a) Lower SML <br> b) Higher SML <br> c) Band of SML <br> d) Non-linear SML | 2 | 2 |
| SECTION B |  | ( $5 * 4=20$ ) |  |
| Q 2 | Distinguish between the security market line and capital market line. | 5 | 2 |
| Q 3 | Q3: Explain CAPM theory and its validity in the stock market. | 5 | 2 |
| Q 4 | Assume that the risk free rate of return is 7 percent. The market portfolio has an expected return of $14 \%$ and a standard deviation of return of $25 \%$. Under the | 5 | 2 |




