**SHAMBHUNATH INSTITUTE OF ENGINEERING & TECHNOLOGY**

**JHALWA, ALLAHABAD**

**STUDY SCHEME (Lecture Plan: 2017-18)**

**B.TECH: 5TH SEMESTER PAPER CODE: NHU-501**

**SUBJECT: ENG. ECONOMICS FACULTY NAME: Mr. Pradeep Kr. Singh**

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| **UNITs** | **LECTUREs** | **TOPICS TO BE COVERED** | **STATUS** |
| **Unit -1** | **1** | Introduction to Engineering Economics and  |  |
|  | **2** | Managerial Economics |  |
|  | **3** | Concept of Efficiency,  |  |
|  | **4** | Theory of Demand,  |  |
|  | **5** | Theory of Demand |  |
|  | **6** | Theory of Demand |  |
|  | **7** | Theory of Demand |  |
|  | **8** | Elasticity of Demand,  |  |
|  | **9** | Supply and Law of Supply |  |
|  | **10** | Supply and Law of Supply |  |
|  | **11** | Supply and Law of Supply, |  |
|  | **12** | Indifference Curves |  |
|  | **13** | Indifference Curves,  |  |
|  | **14** | Budget Line, |  |
|  | **15** | Budget Line  |  |
|  | **16** | Welfare Analysis,  |  |
|  | **17** | Scope of Managerial Economics,  |  |
|  | **18** | Techniques and Applications of Managerial Economics. |  |
| **Unit -2** | **19** | **Market Structure** |  |
|  | **20** | Market Structure |  |
|  | **21** | Perfect Competitions, |  |
|  | **22** | Imperfect- Monopolistic,  |  |
|  | **23** | Imperfect- Monopolistic |  |
|  | **24** | Oligopoly,  |  |
|  | **25** | Oligopoly |  |
|  | **26** | Duopoly sorbent features of price determination  |  |
|  | **27** | Various market conditions. |  |
| **Unit -3** | **28** | **Demand Forecasting and Cost Estimation** |  |
|  | **29** | Characteristics of Forecasts,  |  |
|  | **30** | Forecasting Horizons,  |  |
|  | **31** | Steps to Forecasting,  |  |
|  | **32** | Forecasting Methods,  |  |
|  | **33** | Seasonal Adjustments,  |  |
|  | **34** | Forecasting Performance Measures,  |  |
|  | **35** | Cost Estimation,  |  |
|  | **36** | Elements of cost,  |  |
|  | **37** | Computation of Material Variances  |  |
|  | **38** | Computation of Material Variances  |  |
|  | **39** | Break-Even Analysis. |  |
|  | **40** | Break-Even Analysis |  |
| **Unit-4** | **41** | **Management Aspects** |  |
|  | **42** | Functions of Management, |  |
|  | **43** | Functions of Management  |  |
|  | **44** | Project Management, |  |
|  | **45** | Project Management  |  |
|  | **46** | Value Engineering,  |  |
|  | **47** | Value Engineering |  |
|  | **48** | Project Evaluation, |  |
|  | **49** | Project Evaluation  |  |
|  | **50** | Decision Making**.** |  |