

LESSON PLAN FOR EVEN SEM

SESSION 2017-18

Assistant Professor

: Dalbir Singh

Department

: Economics

Class

: BA (Hons) Eco-VI SEM.

Paper

: Statistics for Economists

| UNIT/PART I | TOPIC | |
|------------------------|-------------------------------------------------|-----------|
| | THEORY | PRACTICAL |
| DAY1 DATE 1-1-18 | Examination V SEM. (As per Date Sheet Dec-2017) | ..... |
| DAY2 DATE 2-1-18 | Examination V SEM. | ..... |
| DAY3 DATE 3-1-18 | Examination V SEM. | ..... |
| DAY4 DATE 4-1-18 | Examination V SEM. | ..... |
| DAY5 DATE 5-1-18 | Examination V SEM. | ..... |
| DAY6 DATE 6-1-18 | Discussion on Previous Papers | ..... |
| DAY7 DATE 8-1-18 | Introduction of New Syllabus | ..... |
| DAY8 DATE 9-1-18 | Meaning and Introduction of Statistics | ..... |
| DAY9 DATE 10-1-18 | Scope of Statistics | ..... |
| DAY10 DATE 11-1-18 | Scope of Statistics | ..... |
| DAY11 DATE 12-1-18 | Importance of Statistics | ..... |
| DAY12 DATE 13-1-18 | Revision of the Syllabus done | ..... |
| DAY13 DATE 15-1-18 | Written Test of scope of statistics | ..... |
| DAY 14 DATE 16-1-18 | Limitations of Statistics | ..... |
| DAY15 DATE 17-1-18 | Frequency Distribution | ..... |
| DAY16 DATE 18-1-18 | Bivariate | ..... |
| DAY17 DATE 19-1-18 | Cumulative | ..... |
| DAY18 DATE 20-1-18 | Revision of the Syllabus done | |
| DAY19 DATE 22-1-18 | HOLIDAY | |
| DAY20 | SPORTS DAY | |

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| DATE 23-1-18 | | |
| DAY21 DATE 24-1-18 | HOLIDAY | |
| DAY22 DATE 25-1-18 | Written Test of cumulative Distribution | |
| DAY23 DATE 26-1-18 | HOLIDAY | |
| DAY 24 DATE 27-1-18 | Written Test of Bivariate Distribution | ..... |
| UNIT/PART II | TOPIC | |
| | THEORY | PRACTICAL |
| DAY1 DATE 29-1-18 | Discussion on Mean | ..... |
| DAY2 DATE 30-1-18 | Exercises of Mean | ..... |
| DAY3 DATE 31-1-18 | HOLIDAY | |
| DAY4 DATE 1-2-18 | Exercises of Mean | ..... |
| DAY5 DATE 2-2-18 | Exercises of Mean | ..... |
| DAY6 DATE 3-2-18 | Revision of Mean | ..... |
| DAY7 DATE 5-2-18 | Written test of Mean | ..... |
| DAY8 DATE 6-2-18 | Median | ..... |
| DAY9 DATE 7-2-18 | Exercises of Median | ..... |
| DAY10 DATE 8-2-18 | Revision of Median | ..... |
| DAY11 DATE 9-2-18 | ASSIGNMENT 1 | |
| DAY12 DATE 10-2-18 | HOLIDAY | |
| DAY13 DATE 12-2-18 | Presentation of Assignments | ..... |
| DAY14 DATE 13-2-18 | HOLIDAY | |
| DAY15 DATE 14-2-18 | Mode | ..... |
| DAY16 DATE 15-2-18 | Exercises of Mode | ..... |
| DAY17 DATE 16-2-18 | Harmonic Mean | ..... |
| DAY18 DATE 17-2-18 | Geometric Mean | |
| DAY19 DATE 19-2-18 | Written test of HM and GM | |

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|------------------------|---------------------------------------------------|------------------|
| DAY20 DATE 20-2-18 | Range | |
| DAY21 DATE 21-2-18 | Mean and standard Deviation | |
| DAY22 DATE 22-2-18 | Quartile Deviation | |
| DAY23 DATE 23-2-18 | Coefficient of Variation, | ..... |
| UNIT/PART III | TOPIC | |
| | THEORY | PRACTICAL |
| DAY1 DATE 24-2-18 | Skewness | ..... |
| DAY2 DATE 26-2-18 | Kurtosis | ..... |
| DAY3 DATE 27-2-18 | Percentile Rank | ..... |
| DAY4 DATE 28-2-18 | HOLIDAY | |
| DAY5 DATE 1-3-18 | HOLIDAY | |
| DAY6 DATE 2-3-18 | HOLIDAY | |
| DAY7 DATE 3-3-18 | HOLIDAY | |
| DAY8 DATE 5-3-18 | Simple Correlation (Karl Pearson) | ..... |
| DAY9 DATE 6-3-18 | Simple Correlation (Karl Pearson) | ..... |
| DAY10 DATE 7-3-18 | Spearman Rank Method/Coefficient of determination | ..... |
| DAY11 DATE 8-3-18 | Regression line/equation | ..... |
| DAY12 DATE 9-3-18 | Regression equation estimation | ..... |
| DAY13 DATE 10-3-18 | ASSIGNMENT 2 | |
| DAY 14 DATE 12-3-18 | Basic idea of Standard Error/ Probable Error | ..... |
| DAY15 DATE 13-3-18 | Basic idea of Standard Error/ Probable Error | ..... |
| DAY16 DATE 14-3-18 | Revision of syllabus done | ..... |
| DAY17 DATE 15-3-18 | Revision of syllabus done | ..... |
| DAY18 DATE 16-3-18 | Basic idea of Standard Error/ Probable Error | ..... |
| DAY19 DATE 17-3-18 | Revision of syllabus done | |
| DAY20 | Revision of syllabus done | |

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| DATE 19-3-18 | | |
| DAY21 DATE 20-3-18 | Revision of syllabus done | |
| DAY22 DATE 21-3-18 | CONDITIONAL TEST | |
| DAY23 DATE 22-3-18 | CONDITIONAL TEST | |
| DAY 24 DATE 23-3-18 | HOLIDAY | |
| DAY 25 DATE 24-3-18 | Revision of syllabus done | ..... |
| UNIT/PART IV | TOPIC | |
| | THEORY | PRACTICAL |
| DAY1 DATE 26-3-18 | Concepts, components, methods of finding trend | ..... |
| DAY2 DATE 27-3-18 | Semi Average, Moving Average | ..... |
| DAY3 DATE 28-3-18 | Least Square | ..... |
| DAY4 DATE 29-3-18 | HOLIDAY | |
| DAY5 DATE 30-3-18 | Ratio to Move | ..... |
| DAY6 DATE 31-3-18 | Revision of syllabus done | ..... |
| DAY7 DATE 2-4-18 | Type and uses of Index Number | ..... |
| DAY8 DATE 3-4-18 | Tests of consistency, Fisher's Ideal Index | ..... |
| DAY9 DATE 4-4-18 | Chain base Index | ..... |
| DAY10 DATE 5-4-18 | Fixed Base Index | ..... |
| DAY11 DATE 6-4-18 | Revision of CBI, FBI | ..... |
| DAY12 DATE 7-4-18 | Revision of syllabus done | ..... |
| DAY13 DATE 9-4-18 | Problems in Construction of index Number | ..... |
| DAY14 DATE 10-4-18 | Limitations of Index Numbers | ..... |
| DAY15 DATE 11-4-18 | Revision of Index Numbers | ..... |
| DAY16 DATE 12-4-18 | Revision of Unit I | |
| DAY17 DATE 13-4-18 | Revision of Unit II | |
| DAY18 DATE 14-4-18 | HOLIDAY | |

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| DAY19 DATE 16-4-18 | Revision of Unit III | |
| DAY20 DATE 17-4-18 | Revision of Unit IV | |
| DAY21 DATE 18-4-18 | HOLIDAY | |
| DAY22 DATE 19-4-18 | Revision of whole syllabus | |
| DAY23 DATE 20-4-18 | Revision of whole syllabus | |
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Assistant Professor : Dalbir Singh
Department : Economics
Class : BA (Hons) Eco-IV SEM.*
Paper : Sectoral Development & Policies in India (409)

| UNIT/PART I | TOPIC | |
|-----------------------|----------------------------------|-----------|
| | THEORY | PRACTICAL |
| DAY9 DATE 10-1-18 | Discussion on previous paper | ..... |
| DAY10 DATE 11-1-18 | Introduction of new Syllabus | ..... |
| DAY15 DATE 17-1-18 | Infrastructure of Indian economy | ..... |
| DAY16 DATE 18-1-18 | Infrastructure of Indian economy | ..... |
| DAY19 DATE 22-1-18 | HOLIDAY | |
| DAY20 DATE 23-1-18 | SPORTS DAY | |
| DAY21 DATE 24-1-18 | HOLIDAY | |
| DAY22 DATE 25-1-18 | Detailed study of Irrigation | ..... |
| DAY23 DATE 26-1-18 | HOLIDAY | |
| UNIT/PART II | TOPIC | |
| | THEORY | PRACTICAL |
| DAY3 DATE 31-1-18 | HOLIDAY | |
| DAY4 DATE 1-2-18 | Detailed study of Irrigation | ..... |
| DAY9 DATE 7-2-18 | Detailed study of Irrigations | |
| DAY10 DATE 8-2-18 | ASSIGNMENT 1 | |
| DAY12 DATE 10-2-18 | HOLIDAY | |

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| DAY14 DATE 13-2-18 | HOLIDAY | |
| DAY15 DATE 14-2-18 | Written test of Irrigation in India | |
| DAY16 DATE 15-2-18 | Detailed study of Energy In India | ..... |
| DAY21 DATE 21-2-18 | Detailed study of Energy in India | ..... |
| DAY22 DATE 22-2-18 | Detailed study of Energy in India | ..... |
| DAY23 DATE 23-2-18 | | |
| UNIT/PART III | TOPIC | |
| | THEORY | PRACTICAL |
| DAY3 DATE 27-2-18 | TEST & SEMINAR (PG CLASSES) | |
| DAY4 DATE 28-2-18 | HOLIDAY | |
| DAY5 DATE 1-3-18 | HOLIDAY | |
| DAY6 DATE 2-3-18 | HOLIDAY | |
| DAY7 DATE 3-3-18 | HOLIDAY | |
| DAY10 DATE 7-3-18 | Written test of Energy resources in India | ..... |
| DAY11 DATE 8-3-18 | Detailed study of Telecom in India | ..... |
| DAY13 DATE 10-3-18 | ASSIGNMENT 2 | |
| DAY16 DATE 14-3-18 | Detailed study of Telecom in India | ..... |
| DAY17 DATE 15-3-18 | Detailed study of Transport in India | ..... |
| DAY22 DATE 21-3-18 | CONDITIONAL TEST | |
| DAY23 DATE 22-3-18 | CONDITIONAL TEST | |
| DAY 24 DATE 23-3-18 | HOLIDAY | |
| UNIT/PART IV | TOPIC | |
| | THEORY | PRACTICAL |
| DAY3 DATE 28-3-18 | Health in India-prospects and problems | ..... |
| DAY4 DATE 29-3-18 | HOLIDAY | |
| DAY9 DATE 4-4-18 | Health in India-prospects and problems | |
| DAY10 | Written test of Transport Recourses in | |

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| DATE 5-4-18 | India | |
| DAY15 DATE 11-4-18 | Education In India - prospects and problems | |
| DAY16 DATE 12-4-18 | Written test of health – problems and prospects | ..... |
| DAY18 DATE 14-4-18 | HOLIDAY | |
| DAY21 DATE 18-4-18 | HOLIDAY | |
| DAY22 DATE 19-4-18 | Functioning of NABARD | |
| DAY23 DATE 20-4-18 | Review of whole syllabus | |
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*Two Days Class per Week

Assistant Professor : **Dalbir Singh**
Department : **Economics**
Class : **MA (ECO) II- SEM. (203)**
Paper : **Statistics For Economists**

| UNIT/PART I | TOPIC | |
|-----------------------|---------------------------------------------------------------------------------------|-----------|
| | THEORY | PRACTICAL |
| DAY3 DATE 3-1-18 | Discussion on Previous Paper | ..... |
| DAY4 DATE 4-1-18 | Overview of New Syllabus | ..... |
| DAY5 DATE 5-1-18 | Correlation Karl Pearson | ..... |
| DAY6 DATE 6-1-18 | Correlation Spearman's rank method | ..... |
| DAY9 DATE 10-1-18 | Exercises on correlation | ..... |
| DAY10 DATE 11-1-18 | Meaning and assumptions of simple regression analysis Exercises on regression | ..... |
| DAY11 DATE 12-1-18 | Single linear equation regression model (by OLS Method)Exercises on regression | ..... |
| DAY12 DATE 13-1-18 | Coefficient of determination Concept of an estimator and its desirable properties | ..... |
| DAY15 DATE 17-1-18 | Estimation of simple growth rates, Estimation of simple and exponential growth rates. | ..... |
| DAY16 DATE 18-1-18 | Exercises on Growth Rates | ..... |
| DAY17 DATE 19-1-18 | Problems on correlation/ Regression | |
| DAY18 DATE 20-1-18 | Problems on Growth rates | |
| DAY19 DATE 22-1-18 | HOLIDAY | |

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| DAY20 DATE 23-1-18 | SPORTS DAY | |
| DAY21 DATE 24-1-18 | HOLIDAY | |
| DAY22 DATE 25-1-18 | Written Test of correlation and Regression | |
| DAY23 DATE 26-1-18 | HOLIDAY | |
| DAY 24 DATE 27-1-18 | Written test on Simple and Exponential Growth rates | ..... |
| UNIT/PART II | TOPIC | |
| | THEORY | PRACTICAL |
| DAY3 DATE 31-1-18 | HOLIDAY | |
| DAY4 DATE 1-2-18 | Index numbers: uses and types | ..... |
| DAY5 DATE 2-2-18 | Exercises of index Numbers | ..... |
| DAY6 DATE 3-2-18 | tests for consistency | ..... |
| DAY9 DATE 7-2-18 | Base shifting, splicing and deflating of index numbers | ..... |
| DAY10 DATE 8-2-18 | Exercises of Base Shifting, CBI, FBI, Conversion | ..... |
| DAY11 DATE 9-2-18 | Written test Revision of Index Numbers | ..... |
| DAY12 DATE 10-2-18 | HOLIDAY | |
| DAY14 DATE 13-2-18 | HOLIDAY | |
| DAY15 DATE 14-2-18 | Time series analysis: introduction and components | ..... |
| DAY16 DATE 15-2-18 | Method of simple averages | ..... |
| DAY17 DATE 16-2-18 | Moving averages | ..... |
| DAY18 DATE 17-2-18 | Ratio to moving averages | ..... |
| DAY21 DATE 21-2-18 | Exercises on Time series methods | ..... |
| DAY22 DATE 22-2-18 | Problems on Time series methods | ..... |
| DAY23 DATE 23-2-18 | Test of Time series methods | ..... |
| UNIT/PART III | TOPIC | |
| | THEORY | PRACTICAL |
| DAY1 DATE 24-2-18 | Seminars on Assigned Topics | |
| DAY4 | HOLIDAY | |

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| DATE 28-2-18 | | |
| DAY5 DATE 1-3-18 | HOLIDAY | |
| DAY6 DATE 2-3-18 | HOLIDAY | |
| DAY7 DATE 3-3-18 | HOLIDAY | |
| DAY10 DATE 7-3-18 | Univariate, Bivariate and Multivariate (only overview) | ..... |
| DAY11 DATE 8-3-18 | Hypothesis Testing procedures based on Z | ..... |
| DAY12 DATE 9-3-18 | Hypothesis Testing procedures based on Z | ..... |
| DAY13 DATE 10-3-18 | Hypothesis Testing procedures based on 't' | ..... |
| DAY16 DATE 14-3-18 | Hypothesis Testing procedures based on x^2 | ..... |
| DAY17 DATE 15-3-18 | Exercise on z test, t test, x^2 | ..... |
| DAY18 DATE 16-3-18 | F-Test, Exercises on F test | ..... |
| DAY19 DATE 17-3-18 | one-way ANOVA | ..... |
| DAY22 DATE 21-3-18 | CONDITIONAL TEST | |
| DAY23 DATE 22-3-18 | CONDITIONAL TEST | |
| DAY 24 DATE 23-3-18 | HOLIDAY | |
| DAY 25 DATE 24-3-18 | Exercises on ANOVA, Problems on Z, t, F, X^2, | ..... |
| UNIT/PART IV | TOPIC | |
| | THEORY | PRACTICAL |
| DAY3 DATE 28-3-18 | Basic concepts and definitions of probability Exercises on Laws of addition and multiplication | ..... |
| DAY4 DATE 29-3-18 | HOLIDAY | ..... |
| DAY5 DATE 30-3-18 | Laws of addition, Laws of multiplication | ..... |
| DAY6 DATE 31-3-18 | Conditional probability, Bayes theorem (statement) | ..... |
| DAY9 DATE 4-4-18 | Binomial, Exercise on Binomial | ..... |
| DAY10 DATE 5-4-18 | Poisson, Exercises on Poisson | ..... |
| DAY11 DATE 6-4-18 | Normal distribution, | |
| DAY12 | Exercises on Normal distribution | |

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| DATE 7-4-18 | | |
| DAY15 DATE 11-4-18 | Revision of Distributions, Test of Binomial | |
| DAY16 DATE 12-4-18 | Problems on distributions, Test of Poisson | |
| DAY17 DATE 13-4-18 | Test of Normal Distribution | ..... |
| DAY18 DATE 14-4-18 | HOLIDAY | |
| DAY21 DATE 18-4-18 | HOLIDAY | |
| DAY22 DATE 19-4-18 | Basic concepts of sampling | |
| DAY23 DATE 20-4-18 | Random sampling, Non Random Sampling | |
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Assistant Professor

: Dalbir Singh

Department

: Economics

Class

: MA (ECO) IV- SEM.

Paper

: Economics of Environment and Social Sector

(203)

| UNIT/PART I | TOPIC | |
|------------------------|---------------------------------------------------|-----------|
| | THEORY | PRACTICAL |
| DAY1 DATE 1-1-18 | Discussion on Previous Paper | ..... |
| DAY2 DATE 2-1-18 | Overview of New Syllabus | ..... |
| DAY5 DATE 5-1-18 | Concept and indicators of sustainable development | ..... |
| DAY6 DATE 6-1-18 | Concept and indicators of sustainable development | ..... |
| DAY7 DATE 8-1-18 | Sustainability rules | ..... |
| DAY8 DATE 9-1-18 | Common- Perrings model | ..... |
| DAY11 DATE 12-1-18 | Common- Perrings model | ..... |
| DAY12 DATE 13-1-18 | The Solow/ Hartwick approach to sustainability. | ..... |
| DAY13 DATE 15-1-18 | The Solow/ Hartwick approach to sustainability. | ..... |
| DAY 14 DATE 16-1-18 | SEEA | |
| DAY17 DATE 19-1-18 | SEEA | |
| DAY18 DATE 20-1-18 | Review of completed topics | |

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| DAY19 DATE 22-1-18 | HOLIDAY | |
| DAY20 DATE 23-1-18 | SPORTS DAY | |
| DAY21 DATE 24-1-18 | HOLIDAY | |
| DAY23 DATE 26-1-18 | HOLIDAY | |
| DAY 24 DATE 27-1-18 | Management of common property resources; CPRs, | ..... |
| UNIT/PART II | TOPIC | |
| | THEORY | PRACTICAL |
| DAY1 DATE 29-1-18 | LDCs and sustainable development, Subsidies | ..... |
| DAY3 DATE 31-1-18 | HOLIDAY | |
| DAY4 DATE 1-2-18 | Controls and use of natural capital in India | ..... |
| DAY5 DATE 2-2-18 | Political Economy of ecology and equity | ..... |
| DAY6 DATE 3-2-18 | Political Economy of ecology and equity | ..... |
| DAY7 DATE 5-2-18 | Gender perspective in environmental management | ..... |
| DAY8 DATE 6-2-18 | Gender perspective in environmental management | ..... |
| DAY11 DATE 9-2-18 | Written test of CPRs | ..... |
| DAY12 DATE 10-2-18 | HOLIDAY | |
| DAY13 DATE 12-2-18 | Environment and energy | ..... |
| DAY14 DATE 13-2-18 | HOLIDAY | |
| DAY17 DATE 16-2-18 | Water resource planning; Water and air pollution – existing pollution control mechanisms | ..... |
| DAY18 DATE 17-2-18 | Water resource planning; Water and air pollution – existing pollution control mechanisms; | ..... |
| DAY19 DATE 19-2-18 | People’s participation in the management of common and forest lands | ..... |
| DAY20 DATE 20-2-18 | The institutions of joint forest management and the joint protected area management, | ..... |
| DAY23 DATE 23-2-18 | Seminars on Assigned Topics | |
| UNIT/PART III | TOPIC | |
| | THEORY | PRACTICAL |

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|------------------------|-----------------------------------------------------------------|------------------|
| DAY1 DATE 24-2-18 | Seminars on Assigned Topics | |
| DAY2 DATE 26-2-18 | Seminars on Assigned Topics | |
| DAY3 DATE 27-2-18 | Seminars on Assigned Topics | ..... |
| DAY4 DATE 28-2-18 | HOLIDAY | |
| DAY5 DATE 1-3-18 | HOLIDAY | |
| DAY6 DATE 2-3-18 | HOLIDAY | |
| DAY7 DATE 3-3-18 | HOLIDAY | |
| DAY8 DATE 5-3-18 | Social forestry — rationale and benefits. | ..... |
| DAY9 DATE 6-3-18 | Wetlands | ..... |
| DAY12 DATE 9-3-18 | Global envtal. issues- problems in managing climate change | ..... |
| DAY13 DATE 10-3-18 | International trade and environment | ..... |
| DAY 14 DATE 12-3-18 | Trade and environment in WTO regime. | ..... |
| DAY15 DATE 13-3-18 | Trade and environment in WTO regime. | ..... |
| DAY18 DATE 16-3-18 | Education as an instrument for economic growth | ..... |
| DAY19 DATE 17-3-18 | Important issues in basic and higher education | ..... |
| DAY20 DATE 19-3-18 | Education and labour market | ..... |
| DAY21 DATE 20-3-18 | Effects of education, ability and family background on earnings | ..... |
| DAY22 DATE 21-3-18 | CONDITIONAL TEST | |
| DAY23 DATE 22-3-18 | CONDITIONAL TEST | |
| DAY 24 DATE 23-3-18 | HOLIDAY | |
| DAY 25 DATE 24-3-18 | Poverty and income distribution, | ..... |
| UNIT/PART IV | TOPIC | |
| | THEORY | PRACTICAL |
| DAY1 DATE 26-3-18 | Conditional Test (of assigned topics) | |
| DAY2 DATE 27-3-18 | Conditional Test (of assigned topics) | |
| DAY4 | HOLIDAY | |

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| DATE 29-3-18 | | |
| DAY5 DATE 30-3-18 | Education and employment | |
| DAY6 DATE 31-3-18 | Education and employment | |
| DAY7 DATE 2-4-18 | Production function models | ..... |
| DAY8 DATE 3-4-18 | Growth accounting equations of Schultz and Denison, | ..... |
| DAY11 DATE 6-4-18 | Manpower requirements approach; | ..... |
| DAY12 DATE 7-4-18 | Economic dimensions of health care | ..... |
| DAY13 DATE 9-4-18 | Determinants of health | ..... |
| DAY14 DATE 10-4-18 | Role of Government and market in health care; | ..... |
| DAY17 DATE 13-4-18 | Determinants of health, Role of Government and market in health care | ..... |
| DAY18 DATE 14-4-18 | HOLIDAY | |
| DAY19 DATE 16-4-18 | Inequalities in health and education -class and gender perspective | ..... |
| DAY20 DATE 17-4-18 | Health and education – the class and gender perspective | ..... |
| DAY21 DATE 18-4-18 | HOLIDAY | |
| DAY23 DATE 20-4-18 | Financing of education and health in India. Review of whole syllabus | ..... |
| | | |

Dalbir Singh
Name of Teacher