

<b>1<sup>st</sup> Term : 18 August 2015-27 December 2015 (80 Working days)</b>			
<b>Week No</b>	<b>Duration/ Dates</b>	<b>No. of W. Days</b>	<b>Contents</b>
1	18 Aug 2015 To 21 Aug 2015	04	<p><u>Introduction of Statistics Part -II</u>  <b>Chapter No 10: Rules Of Counting</b>                      Factorial, A Functional Principle of Counting and solving its Numerical Permutations, Permutations of Like Objects and its Exercise.                      Combinations, its Exercise and Objective Questions</p>
2	24 Aug 2015 To 28 Aug 2015	05	<p><b>Chapter No 11: Probability</b>                      Introduction, Random Experiment, Sample Space and its examples.                      Events, Simple and Compound Events, Equally likely, Mutually Exclusive and Collectively Exhaustive Outcomes.                      Definitions of Probability, Classical Definition and its application                      Relative Frequency, Axiomatic Approach and Subjective Approach                      Assignment of Probability, Probability of an Event and its application</p>
3	31 Aug 2015 To 04 Sep 2015	05	<p>Union and intersection, Mutually Exclusive and Complementary Events                      Addition Law of Probability for any two events and its application                      Addition Law for Mutually Exclusive events and its application                      Solving Exercise.                      Solving Exercise.</p>
4	07 Sep 2015 To 11 Sep 2015	05	<p>Independent and Dependent Events and Conditional Probability                      Numerical calculation of Conditional Probability                      Multiplication law of Probability of any two events and its application                      Multiplication law for Independent events and its application                      Solving Exercise</p>
5	14 Sep 2015 To 18 Sep 2015	05	<p>Solving Exercise                      Solving Exercise                      Solving of Short Answers/Questions                      Solving of Short Answers/Questions                      Multiple Choice Questions of Chapter # 11</p>
6	21 Sep 2015 To 25 Sep 2015 [EidulAzha]	02	<p>Revision of Exercise                      Revision of Exercise</p>
7	28 Sep 2015 To 02 Oct 2015	05	<b><u>1<sup>st</sup> Bimonthly Test</u></b>

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8	05 Oct 2015 To 09 Oct 2015	05	<p><b><u>Chapter No 12: Random variables and Probability Distributions</u></b>                      Random Numbers, Generation and Application of Random Numbers                      Random Variable, Discrete and Continuous Random Variables                      Discrete Probability Distributions and its Exercise                      Numerically Exercise of Probability distribution                      Numerically Exercise of Probability distribution</p>
9	12 Oct 2015 To 16 Oct 2015	05	<p>Continuous Probability Distribution and its Application                      Numerically Exercise of continuous Probability distribution                      Mathematical Expectation and its Exercise                      Application of Mathematical Expectation                      Application of Mathematical Expectation</p>
10	19 Oct 2015 To 23 Oct 2015 [Ashura]	03	<p>Properties of Expectation                      Application of Properties of Expectation                      Application of Properties of Expectation</p>
11	26 Oct 2015 To 30 Oct 2015	05	<p>Variance and Standard Deviation                      Properties of Variance and Standard Deviation                      Solving Exercise of Chapter # 12                      Solving of Short Answers/Questions                      Multiple Choice Questions of Chapter # 12</p>
12	02 Nov 2015 To 06 Nov 2015	05	<p><b><u>Chapter No 13: Binomial and Hyper geometric Distributions</u></b>                      Introduction, Bernoulli trials , Binomial Experiment and its properties                      Binomial Probability Distribution ,its parameters and application                      Numerically calculation of Binomial Probability Distribution.                      Numerically calculation of Binomial Probability Distribution.                      Binomial Frequency Distribution its application</p>
13	09 Nov 2015 To 13 Nov 2015 [Iqbal Day]	04	<p>Mean and variance of the Binomial Distribution for <math>n= 1,2,3,4</math>                      Show that Mean = <math>np</math> and Variance = <math>npq</math>                      Solving Exercise of Binomial Probability Distribution                      Solving Exercise of Binomial Probability Distribution</p>
14	16 Nov 2015 To 20 Nov 2015	05	<p>Hypergeometric Experiment and its probability distribution                      Numerically Calculation of Hypergeometric probability distribution                      Solving Exercise of Chapter # 13                      Solving of Short Answers/Questions                      Multiple Choice Question of Chapter # 13</p>

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15	23 Nov 2015 To 27 Nov 2015	05	<p><b><u>Chapter No 14: Normal Distribution</u></b>                      Introduction ,Importance and Properties of Normal Distribution                      Solving Questions related with properties                      Standard Normal Distribution and Solving Questions related with Area table                      Normal Frequency Distribution and its related numerical                      Inverse use of Area Table and its related numerical</p>
16	30 Nov 2015 To 04 Dec 2015	05	<p>Normal App. to the Binomial Distribution and its related numerical                      Solving Exercise of Chapter # 14                      Solving Exercise of Chapter # 14                      Solving of Short Answers/Questions                      Multiple Choice Question of Chapter # 14</p>
17	07 Dec 2015 To 11 Dec 2015	05	<b><u>1<sup>st</sup> Term Exams (Send – Up Exams)</u></b>
18	14 Dec 2015 To 18 Dec 2015	02	<b><u>1<sup>st</sup> Term Exams (Send – Up Exams)/All Pakistan Prize Distribution Ceremony of Co-curricular Activities</u></b>
19	21 Dec 2015 To 27 Dec 2015	-	<b><u>Winter Vacation</u></b>
<b><u>2<sup>nd</sup> Term: 28 December 2015-12 April 2016 ( 75 Working Days)</u></b>			
20	28 Dec 2015 To 01 Jan 2016	05	<p><b><u>Chapter No 15: Sampling and Sampling Distributions</u></b>                      Introduction,Population,Sample,Parameter and Statistic ,Advantageof sampling                      Sampling with and without Replacement,Sampling and Non-sampling Error                      Probability and Non-probability Samples                      Sampling Distributions,Sampling Distribution of Means and its properties                      Numerical related sampling distribution of sample means for n= 2w.r.                      Numerical related sampling distribution of sample means for n= 2 w.o.r</p>
21	04 Jan 2016 To 08 Jan 2016	05	<p>Numerical related sampling distribution of sample means for n= 3 w.r.                      Numerical related sampling distribution of sample means for n= 3 w.o.r                      Sampling Distribution of Differences of Sample means and its properties                      Numerical related sampling distribution of differences of sample means                      Numerical related sampling distribution of differences of sample means</p>

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22	11 Jan 2016 To 15 Jan 2016	05	Sampling Distribution of Proportions and its properties Numerical related sampling distribution of Proportions Sampling Distribution of Differences of Proportions and its properties Sampling Distribution of Variances and its properties Solving Exercise of Chapter # 15
23	18 Jan 2016 To 22 Jan 2016	05	Solving Exercise of Chapter # 15 Solving of Short Answers/Questions Multiple Choice Questions of Chapter # 15 <b><u>Chapter No 16: Statistical Inference - Estimation</u></b> Introduction, Point Estimation. Estimate, Estimator, Unbiasedness Numerical related Unbiasedness.
24	25 Jan 2016 To 29 Jan 2016	05	Confidence Interval, Confidence Interval for Population Mean Large Sample Confidence Interval for Population Mean Confidence Intervals for difference between Population Means Confidence Interval for Population Proportions Confidence Intervals for difference between Population Proportions
25	01 Feb 2016 To 05 Feb 2016 [Kashmir Day]	04	Confidence Interval for Population Mean Based on Small Samples Confidence Intervals for difference between Population Means based on Small Samples Confidence Interval for Paired Observations Multiple Choice Question of Chapter # 16
26	08 Feb 2016 To 12 Feb 2016	05	<b><u>2<sup>nd</sup> Bimonthly Test</u></b>
27	15 Feb 2016 To 19 Feb 2016	05	<b><u>Chapter No 17: Statistical Inference - Tests of Hypotheses</u></b> Statistical Hypothesis, Null and Alternative Hypotheses, Simple and Composite Hypotheses, Type I and Type II Errors, Critical Region. One and Two-Tailed Tests and General Procedure for Testing Hypotheses Tests of Hypotheses Concerning Population Mean and its Numerical Large Sample Tests of Hypotheses Concerning Pop. Mean and its Numerical Tests of Hypotheses Concerning the Difference between two Pop. Means
28	22 Feb 2016 To 26 Feb 2016	05	Tests of Hypotheses Concerning Pop. Mean based on Small Samples (t-test) Tests of Hypotheses Concerning Difference between two Pop. Means (t-test) Tests of Hypotheses for Paired Observations Tests of Hypotheses Concerning Population Proportions Tests of Hypotheses Concerning Difference Between Two Pop. Proportions

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29	29 Feb 2016 To 04 Mar 2016	05	Solving Exercise of Chapter # 17 Solving of Short Answers/Questions Revision of Chapter # 11 and 12 ( Probability and Probability Distributions ) <b><u>1st Test of Test Series</u></b> Multiple Choice Question of Chapter # 17
30	07 Mar 2016 To 11 Mar 2016	05	<b><u>Chapter No 18: Association of Attributes</u></b> Attributes, Independence, Association and Coefficient of Association Revision of Chapter #13 and 14(Binomial, Hypergeometric & Normal dists.) <b><u>2nd Test of Test Series</u></b> Test for Independence Revision of Chapter # 15 ( Sampling and Sampling Distribution )
31	14 Mar 2016 To 18 Mar 2016	05	<b><u>3rd Test of Test Series</u></b> Solving of Short Answers/Questions Multiple Choice Question of Chapter # 18 Revision of Chapter # 16 and 17 ( Estimation and Tests of Hypotheses ) <b><u>4<sup>th</sup> Test of Test Series</u></b> Rank Correlation
32	21 Mar 2016 To 25 Mar 2016 [Pakistan Day]	04	Orientation To Computers Revision of Chapter # 18 (Association of Attributes ) <b><u>5th Test of Test Series</u></b> Discussion on 5th Test
33	28 Mar 2016 To 01 Apr 2016	05	<b><u>Pre-Board Examination</u></b>
34	04 Apr 2016 To 08 Apr 2016	05	<b><u>Pre-Board Examination</u></b>
35	11 Apr 2016 To 15 Apr 2016	02	<b><u>Pre-Board Examination/ Prep Leave</u></b>