

1st Term : 18 August 2015 - 27 December 2015 (80 Working days)			
Week No	Duration/ Dates	No of W. Days	Contents
1	18 Aug 2015 To 21 Aug 2015	04	<u>Chapter No. 01</u> Definition of function, its types and Domain and Range. Composition and inverse of functions. Limits, Theorems and limits of important functions.
2	24 Aug 2015 To 28 Aug 2015	05	Right and left hand limits, Continuity of functions Graphs of functions, graphical solutions of an equation.
3	31 Aug 2015 To 04 Sep 2015	05	<u>Chapter No. 02</u> Dependent Variables, Derivative of a function. Theorems on differentiation.
4	07 Sep 2015 To 11 Sep 2015	05	Chain rule, derivative of trigonometric and inverse trigonometric functions.
5	14 Sep 2015 To 18 Sep 2015	05	Derivative of exponential, logarithmic and hyperbolic functions, higher derivatives.
6	21 Sep 2015 To 25 Sep 2015 [EidulAzha]	02	Maclaurin's Theorem and Taylor's theorem.
7	28 Sep 2015 To 02 Oct 2015	05	<u>1st Bimonthly Test</u>
8	05 Oct 2015 To 09 Oct 2015	05	Increasing and Decreasing functions, extremas of functions.
9	12 Oct 2015 To 16 Oct 2015	05	Applications of differentiation.
10	19 Oct 2015 To 23 Oct 2015 [Ashura]	03	<u>Chapter No. 03</u> Differentiation of variables.
11	26 Oct 2015 To 30 Oct 2015	05	Integration of functions. (Contd...)
12	02 Nov 2015 To 06 Nov 2015	05	Integration of functions. Integration by substitution. (Contd...)
13	09 Nov 2015 To 13 Nov 2015 [Iqbal Day]	04	Integration by substitution.
14	16 Nov 2015 To 20 Nov 2015	05	Integration by parts, by partial fractions.

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15	23 Nov 2015 To 27 Nov 2015	05	Definite Integration, Area bounded by curve. Differential equations and its solutions. (Contd.....)
16	30 Nov 2015 To 04 Dec 2015	05	Differential equations and its solutions. Chapter No. 05 Linear inequalities and programming, region bounded by two or three inequalities. Problem constraints, feasible solution set. Linear programming and optimal solutions.
17	07 Dec 2015 To 11 Dec 2015	05	<u>1st Term Exams (Send – Up Exams)</u>
18	14 Dec 2015 To 18 Dec 2015	02	<u>1st Term Exams (Send – Up Exams)/All Pakistan Prize Distribution Ceremony of Co-curricular Activities</u>
19	21 Dec 2015 To 25 Dec 2015	-	<u>Winter Vacation</u>
<u>2nd Term: 28 December 2015 - 12 April 2016 (75 Working Days)</u>			
20	28 Dec 2015 To 01 Jan 2016	05	Chapter No. 07 Vectors, addition of vectors, position vector, vectors in plane and applications to the plane geometry. Vectors in space, Direction angles and direction cosines Dot product, area of parallelogram.
21	04 Jan 2016 To 08 Jan 2016	05	Scalar triple product, volume of parallelepiped, work and moment of force. Division of line segment in a given ratio, translation and rotation of axes.
22	11 Jan 2016 To 15 Jan 2016	05	Chapter No. 04 Slope of line, equation of line segment in a given ratio, translation and rotation of axes.
23	18 Jan 2016 To 22 Jan 2016	05	Slope of line, equation of line (different forms), angle between two lines, area of triangle with given vertices. Equation of line passing through intersection of two lines, Homogenous equation of second degree.
24	25 Jan 2016 To 29 Jan 2016	05	Equation of line passing through intersection of two lines, Homogenous equation of second degree.
25	01 Feb 2016 To 05 Feb 2016 [Kashmir Day]	04	Chapter No.06 Equation of Circle in standard form, general equation of circle.
26	08 Feb 2016 To 12 Feb 2016	05	<u>2nd Bimonthly Test</u>

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27	15 Feb 2016 To 19 Feb 2016	05	Parabola and its elements.
28	22 Feb 2016 To 26 Feb 2016	05	Ellipse and its elements.
29	29 Feb 2016 To 04 Mar 2016	05	Hyperbola and its elements
30	07 Mar 2016 To 11 Mar 2016	05	Revision and Test Series
31	14 Mar 2016 To 18 Mar 2016	05	Revision and Test Series
32	21 Mar 2016 To 25 Mar 2016 [Pakistan Day]	04	Revision and Test Series
33	28 Mar 2016 To 01 Apr 2016	05	<u>Pre-Board Examination</u>
34	04 Apr 2016 To 08 Apr 2016	05	<u>Pre-Board Examination</u>
35	11 Apr 2016 To 15 Apr 2016	02	<u>Pre-Board Examination/ Prep Leave</u>