



# **WEEKLY SYLLABI BREAKDOWN**

**Academic Session: 2018-19**

**Class XII**

**Fazaia Teachers' Training Institute**

**PAF Complex, E-9, Islamabad**

**March, 2018**

# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

## ENGLISH: Class-XII

PUNJAB TEXT BOOK BOARD

BOOK II & GOOD BYE MR CHIPS

Academic Week	Unit/Chapter & Topic	Personality Grooming Activities
1	(Pages 1-4) Book II <b>Chapter 1</b> : The Dying Sun Grammar: Noun and Pronoun	<u><b>Orientation Ceremony</b></u>
2	(Pages 5-8) Book II, <b>Chapter 2</b> : Using the Scientific Method Composition: Comprehension and Précis Writing	
3	(Pages 9-13) Book II, <b>Chapter 3</b> : Why Boys Fail in College Grammar: Idioms and Phrasal Verbs (A-B)	<u><b>Celebration of Independence Day</b></u>
4	(Pages 14-16) Book II: <b>Chapter 4</b> : End of Term Grammar: Verb	<u><b>Discussion on Eid-ul-Azha</b></u>
5	(Pages 1-5) Novel: <b>Good Bye Mr Chips, Chapters 1 and 2</b> Composition: Report Writing	<u>Elections of Students' Council (Extended Break Time on Election day)</u>
6	(Pages 6-10) Novel, <b>Chapters 3 and 4</b> Grammar: Direct Object, Indirect Object	<u><b>Defence Day Celebration</b></u>
7	(Pages 11-15) Novel, <b>Chapters 5 and 6</b> Grammar: Complements (Object and Subject), Idioms and Phrases (C-D)	
8	(Pages 16-18) Novel, <b>Chapter 7</b> Composition: Report Writing, Précis Writing	<u><b>Importance of Ashora-e-Moharram</b></u>
9	(Pages 17-20) Book II, <b>Chapter 5</b> : On Destroying Books, Grammar: Phrasal Verbs (E-G), Correction of Errors, Adjectives	
10	(Pages 21-24) Book II, <b>Chapter 6</b> : The Man who was a Hospital Composition: Comprehension and Précis Writing	<u><b>World Teacher's Day</b></u>
11	(Pages 25-28) Book II, <b>Chapter 7</b> : My Financial Career Composition: Essay Writing	
12	(Pages 29-34) Book II, <b>Chapter 8</b> : China's Way to Progress, Grammar: Phrases (Kinds), Idioms and Phrasal Verbs (H-M)	<u><b>Lecture on Personal Hygiene</b></u>
13	<b>MID-YEAR REVIEW</b>	
14		

15	(Pages 19-24) Novel, <b>Chapters 8,9 and 10</b> Grammar & Composition: Prepositions, Essay Writing, Appositive and Appositive Phrases	<u>Iqbal Day</u>
16	(Pages 35-39) Book II <b>Chapter 9:</b> Hunger and Population Explosion (Pages 40-45) Book II, <b>Chapter 10:</b> Jewel of the World	<u>Peer Coaching</u>
<b>Academic Week</b>	<b>Unit/Chapter &amp; Topic</b>	<b>Personality Grooming Activities</b>
17	(47-49) Book II <b>Chapter 11:</b> First Year at Harrow Grammar and Composition: Idioms and Phrasal Verbs (N-R), Report Writing	<u>Importance of Rabi-ul-Awel</u>
18	<b>REVISION</b>	<u>Lecture on First Aid/Fire Fighting</u>
19	<b>SEND-UP EXAMINATION (HSSC)</b>	
20		
21	(Pages 25-34) Novel, <b>Chapters 11-14</b>	Celebration of Quaid's day
22	(Pages 35-42 ) Novel, <b>Chapters 15-17</b> Grammar & Composition: Prepositions, Essay Writing, Appositives and Appositive Phrases	<u>Parent - Teacher Meeting and Appraisal of Send Up Results</u>
23	(Pages 50-60) Book II <b>Chapter 12:</b> Hitch-Hiking Across The Sahara Composition: Correction of Errors, Comprehension, Précis Writing	
24	(Pages 61-68) Book II, <b>Chapter 13:</b> Sir Alexander Fleming Grammar: Kinds of Adjectives & Adverbs, Idioms and Phrases (U-Z)	
25	(Pages 69-77) Book II, <b>Chapter 14:</b> Louis Pasteur (Pages 43-50) Novel, <b>Chapter 18</b>	
26	(Pages 78-86) Book II <b>Chapter 15:</b> Mustafa Kamal Grammar: Exercises on general grammar items	<u>Building Confidence by Discussion</u>
27	<b>REVISION</b>	<u>Kashmir Day</u>
28	<b>PRE BOARD EXAM : HSSC</b>	
29		
30	Revision and Tests from Book II. Chapters 1, 2 &3.	<u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u>
31	Revision and Tests from Book II. Chapters 4 , 5.	
32	Revision and Tests from Book II. Chapters 6,7,8,9.	

33	Revision and Tests from Book II. Chapters 10,11	
34	Revision and Tests from Book II. Chapters 12 & 13	
35	Revision and Tests from Book II. Chapters 14 & 15	
36	Revision and Tests from Mr Chips.	<b><u>Farewell Party</u></b>
36	<b>FBISE Past Papers (2013-2018) Solution</b>	
37	<b>PREP LEAVES</b>	
<b>ANNUAL FBISE EXAM</b>		

## WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

### مضمون: اُردو

سرمایہ اُردو (نیشنل بک فاؤنڈیشن)

جماعت: بارہویں

Personality Grooming Activities	Unit/Chapter & Topic	Academic Week
<b><u>Orientation Ceremony</u></b>	حصہ نثر: ہجرت مدینہ، مولانا شبلی نعمانی، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: مضمون نویسی	1
	حصہ نثر: ظہیر الدین بابر، محمد حسین آزاد، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ نظم: حسرتان ازل کاساقی، مولانا ظفر علی خان، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: مضمون نویسی (عملی مشق)	2
<b><u>Celebration of Independence Day</u></b>	حصہ نظم: غزلیات میر درد، غزل نمبر ۱، ۲ (MCQs) مختصر سوالات و جوابات حصہ نظم (منظومات): عرض حال، مولانا الطاف حسین حالی، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: حروف کی اقسام	3
<b><u>Discussion on Eid-ul-Azha</u></b>	حصہ نثر: شاہ عبداللطیف بھٹائی، غلام رسول مہر، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ نظم: یا ایہا الزمل، حفیظ تائب، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: حروف کی اقسام (عملی مشق)	4
<b><u>Elections of Students' Council (Extended Break Time on Election day)</u></b>	حصہ نظم: غزلیات غلام ہمدانی مصحفی، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ نظم (منظومات): لندن میں عقد، فرضی لطیفہ، اکبر الہ آبادی، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: حروف کی اقسام (عملی مشق)	5
<b><u>Defence Day Celebration</u></b>	حصہ نثر: سائنس کا ارتقاء، ڈاکٹر حفیظ الرحمن صدیقی، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: خطوط نویسی	6
	حصہ نثر: کلیم اور مرزا ظاہر دار بیگ، مولوی نذیر احمد، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ نظم: غزلیات مرزا اسد اللہ خان غالب غزل نمبر ۱ مشقی سوالات (MCQs) مختصر سوالات و جوابات	7
<b><u>Importance of Ashora-e-Moharram</u></b>	حصہ نظم: غزلیات مرزا اسد اللہ خان غالب غزل نمبر ۲ مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: امدادی افعال	8
	حصہ نظم (منظومات): آزادی، احسان دانش، مشقی سوالات (MCQs) مختصر سوالات و جوابات	9

	حصہ قواعد: امدادی افعال (عملی مشق)	
<b><u>World Teacher's Day</u></b>	حصہ نظم (منظومات): رات اور ریل، اسرار الحق مجاز، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نثر: آنگن، خدیجہ مستور، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ قواعد: مطابقت	<b>10</b>
	حصہ نظم (منظومات): سورۃ رحمن، جوش ملیح آبادی، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ قواعد: حروف کی اقسام (دہرائی)، رموز اوقاف (عملی مشق)	<b>11</b>
<b><u>Lecture on Personal Hygiene</u></b>	دہرائی	<b>12</b>
	<b>MID-YEAR REVIEW</b>	<b>13</b>
		<b>14</b>
<b><u>Iqbal Day</u></b>	حصہ نثر: انارکلی، سید امتیاز علی تاج، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم (منظومات): ہری بھری فصلو، مجید امجد، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: امدادی افعال (دہرائی)	<b>15</b>
<b><u>Peer Coaching</u></b>	حصہ نثر: اپنا اپنا راگ، میرزا ادیب، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم: غزلیات علامہ اقبال، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: مضمون نویسی (دہرائی)	<b>16</b>
<b><u>Importance of Rabi-ul-Awel</u></b>	حصہ نثر: سان فرانسسکو، بیگم اختر ریاض الدین، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم (منظومات): کرسی نامہ، نیاز سواتی، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ قواعد: خطوط نویسی (دہرائی)	<b>17</b>
<b><u>Lecture on First Aid/Fire Fighting</u></b>	دہرائی	<b>18</b>
	<b>SEND-UP EXAMINATION (HSSC)</b>	<b>19</b>
		<b>20</b>
Celebration of Quaid's day	حصہ نثر: دادی ہنزہ کا چراغاں، مستنصر حسین تارڑ، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم: غزلیات ناصر کاظمی، مشقی سوالات (MCQs) مختصر سوالات و جوابات)	<b>21</b>
<b><u>Parent - Teacher Meeting and Appraisal of Send Up Results</u></b>	حصہ نثر: ایک وصیت کی تکمیل، مرزا فرحت اللہ بیگ، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم: غزلیات فراق گورکھپوری، مشقی سوالات (MCQs) مختصر سوالات و جوابات)	<b>22</b>

	قواعد: آپ بیتی	
	حصہ نظم (منظومات): اسے نسیم بہشت، جام و رک، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نثر: مولانا ظفر علی خان، چراغ حسن حسرت، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: آپ بیتی (عملی مشق)	23
	حصہ نثر: مولوی عبدالحق، شاہد احمد دہلوی، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم: غزلیات تائبش دہلوی، غزل نمبر ۱ مشقی سوالات (MCQs) مختصر سوالات و جوابات)	24
	حصہ نظم: غزلیات تائبش دہلوی، غزل نمبر ۲، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم (منظومات): قطعات انور مسعود، مشقی سوالات (MCQs) مختصر سوالات و جوابات)	25
<b><u>Building Confidence by Discussion</u></b>	حصہ نثر: سراقبال مرحوم، رشید احمد صدیقی، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم (منظومات): ریل کاسفر، سید ضمیر جعفری، مشقی سوالات (MCQs) مختصر سوالات و جوابات)	26
<b><u>Kashmir Day</u></b>	دہرائی	27
	<b>PRE BOARD EXAM</b>	28
		29
<b><u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u></b>	سبق نمبر ۱-۳، منظومات نمبر ۱-۳، نظم نمبر ۲-۱ اور گرائمر: مضمون نویسی، حروف کی اقسام کی دہرائی اور ٹیسٹ	30
	سبق نمبر ۵-۸، غزل نمبر ۱-۲، منظومات نمبر ۳-۵ اور گرائمر: آپ بیتی، امدادی افعال کی دہرائی اور ٹیسٹ	31
	سبق نمبر ۹-۱۲، غزل نمبر ۳-۴، منظومات نمبر ۶-۸ اور گرائمر: خطوط نویسی، مطابقت کی دہرائی اور ٹیسٹ	32
	سبق نمبر ۱۳-۱۴، غزل نمبر ۵-۷، منظومات نمبر ۹-۱۰ اور گرائمر: رموز و اوقاف کی دہرائی اور ٹیسٹ	33
	<b>FBISE Past Papers (2013-2018) Solution</b>	34
	<b>FBISE Past Papers (2013-2018) Solution</b>	35
<b><u>Farewell Party</u></b>	<b>FBISE Past Papers (2013-2018) Solution</b>	36
	<b>PREP LEAVES</b>	37
	<b>ANNUAL FBISE EXAM 2019</b>	

# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

## MATHEMATICS: XII

A Text Book of Mathematics for class XII

Punjab Text Book Board Lahore

Class XII

Academic Week	Unit/Chapter & Topic	Personality Grooming Activities
1	<b>(Pages 1 – 28) Chapter 1: Functions and Limits</b> Introduction, Concept of Function, Types of Functions, <b>Exercise 1.1</b> Composition of Functions and Inverse of a Function, <b>Exercise 1.2</b> Limit of a Function and Theorems on Limits, Limits of Important Functions, <b>Exercise 1.3</b>	<b><i>Orientation Ceremony</i></b>
2	<b>(Pages 28–40) Chapter 1(Contd):</b> Continuous and Discontinuous Functions, <b>Exercise 1.4</b> Graphs, <b>Exercise 1.5 (Pages 41-51) Chapter 2: Differentiation</b> Introduction, Average Rate of Change, Derivative of a Function, Finding $f'(x)$ from Definition of Derivative, <b>Exercise 2.1</b>	<b><i>Practice of Fazaian Honour Code -1</i></b>
3	<b>(Pages 51-71) Chapter 2 (Contd):</b> Differentiation of Expressions of the types: $(ax + b)^n$ and $\frac{1}{(ax + b)^n}$ , <b>Exercise 2.2</b> Theorems on Differentiation, Quotient Rule, <b>Exercise 2.3</b> The Chain Rule, Derivatives of Inverse Functions, Differentiation of Implicit Relations, <b>Exercise 2.4</b>	<b><u><i>Celebration of Independence day</i></u></b>
4	<b>(Pages 71-95) Chapter 2 (Contd):</b> Derivatives of Trigonometric Functions, Derivatives of Inverse Trigonometric Functions, <b>Exercise 2.5</b> Derivative of Exponential Functions, Derivative of the Logarithmic Function, Logarithmic Differentiation, <b>Exercise 2.6</b> Successive Differentiation/Higher Derivatives, <b>Exercise 2.7</b>	<b><u><i>Discussion on Eid-ul-Azha</i></u></b>
5	<b>(Pages 95-113 ) Chapter 2 (Contd) :</b> Series Expansions of Functions, Taylor Series Expansions of Functions, <b>Exercise 2.8</b> Geometrical Interpretation of a Derivative, Increasing and Decreasing Functions, Relative Extrema, Critical Values and Critical Points, <b>Exercise 2.9</b>	<b><u><i>Elections of Students' Council</i></u></b> <i>(Extended Break Time on Election day)</i>
6	<b>(Pages 114-118 ) Chapter 2 (Contd) :</b> Application of Maxima and Minima, <b>Exercise 2.10 (Pages 119-131) Chapter 3: Integration</b> , Introduction, Differentials of Variables, <b>Exercise 3.1</b> Integration as Anti-derivative, Theorems on Anti-Derivatives, <b>Exercise 3.2</b>	<b><u><i>Defence Day Celebration</i></u></b>
7	<b>(Pages 131-150) Chapter 3 (Contd):</b> Integration by Method of Substitution, Some Useful Substitutions, <b>Exercise 3.3</b> Integration by Parts, <b>Exercise 3.4</b> Integration involving, Partial Fractions <b>Exercise 3.5</b>	<b><i>Practice of Fazaian Honour Code -2</i></b>
8	<b>(Pages 151-168) Chapter 3 (Contd):</b> Definite Integrals, Area Under the Curve, Theorems of Integrals <b>Exercise 3.6</b> Application of Definite Integrals <b>Exercise 3.7</b>	<b><u><i>Importance of Ashora-e-Moharram</i></u></b>



9	<b>(Pages 168-178) Chapter 3 (Contd):</b> Differential Equations, Solution of a Differential Equation of First Order, General Solution, Particular Solution, Initial Conditions, <b>Exercise 3.8 (Pages 179-186) Chapter 4: Introduction to Analytic Geometry</b> , Introduction, Coordinate System, Distance Formula, Ratio Formula, <b>Exercise 4.1</b>	<u><i>Motivational talk on religious tolerance</i></u>
10	<b>(Pages 187-199) Chapter 4 (Contd):</b> Translation and Rotation of Axes, <b>Exercise 4.2</b> Equations of Straight Lines, Inclination, Slope, Equations of Straight Lines Parallel to x-axis, Slope-Intercept Form, Point – Slope Form, Symmetric Form, Two Point Form, Intercept Form, Normal Form of Equation of a Straight Line	<u><i>World Teacher's Day</i></u>
11	<b>(Pages 199-218) Chapter 4 (Contd);</b> A linear Eq in two variables, Transformation of General Linear Eq to Standard Form, Position of a point with respect to a line, Two or Three Straight Lines, Point of Intersection of Two Straight Lines, Condition of Concurrency, Distance of a Point from a Line, Distance between Two Parallel Lines,	<i>Practice of Fazaian Honour Code -3</i>
12	<b>(Pages 218-228) Chapter 4 (Contd);</b> Angle between Two Lines, Equation of Straight Line in Matrix Form, <b>Exercise 4.4</b> Homogeneous Equation of the Second Degree in Two Variables, Measure of Angle between the Lines Represented by $ax^2+2hxy+by^2=0$ , <b>Exercise 4.5</b>	<u><i>Lecture on Personal Hygiene</i></u>
13	<b>MID-YEAR REVIEW</b>	
14		
15	<b>(Pages 325-335) Chapter 7: Vectors</b> Introduction, Geometric Interpretation of a Vector, Multiplication of Vector by a Scalar, Addition and Subtraction of Two Vectors. Position Vector, Vectors in a Plane, Properties of Magnitude of a Vector, Another Notation for Representing Vectors in Plane, Ratio Formula, Vector Geometry <b>Exercise 7.1</b>	<u><i>Celebration of Iqbal Day</i></u>
16	<b>(Pages 335-350) Chapter 7 (Contd):</b> Introduction of Vector in Space, Another Notation for Representing Vectors in Space, <b>Exercise 7.2</b> The Scalar Product of Two Vectors, Deduction of Important Results, Properties of Dot Product, <b>Exercise 7.3</b>	<u><i>Peer Coaching</i></u> <i>Practice of Fazaian Honour Code -4</i>
17	<b>(Pages 350-366) Chapter 7 (Contd) :</b> The Cross Product of Two Vectors, Derivation of Useful results of Cross Products, Properties of Cross Product, Parallel Vectors, <b>Exercise 7.4</b> Scalar Triple Product of Vectors, The Volume of Parallelepiped, Volume of the Tetrahedron, Properties of Triple Scalar Product, Work Done, <b>Exercise 7.5</b>	<u><i>Importance of Rabi-ul-Awal</i></u>
18	<b>Revision</b>	<u><i>Lecture on First Aid/Fire Fighting</i></u> <i>Practice of Fazaian Honour Code -5</i>
19	<b>SEND-UP EXAMINATION (HSSC-II)</b>	

20		
21	(Pages 229-243) Chapter 5: Linear Inequalities and Linear Programming, Introduction, Linear Inequalities, Graphing of Linear Inequality in Two Variables, Region Bounded by 2 or 3 Simultaneous Inequalities, Exercise 5.1 Problem Constraints, Feasible Solution Set, Exercise 5.2	<u>Celebration of Quaid's Day</u>
22	(Pages 243-248) Chapter 5 (Contd): , Linear Programming, Exercise 5.3	<u>Parent - Teacher Meeting and Appraisal of Send Up Results</u>
23	(Pages 249-264) Chapter 6: Conic Sections Introduction, Equation of a Circle, General Form of Equation of a Circle, Equations of Circles Determined Exercise 6.1 Tangents and Normals, Exercise 6.2	<u>Practice of Fazaian Honour Code -6</u>
24	(Pages 264-282) Chapter 6 (Contd): Analytic Proofs of Important Properties of a Circle, Exercise 6.3 Parabola and its Graph, Reflecting property of Parabola, Exercise 6.4	<u>Practice of Fazaian Honour Code -7</u>
25	(Pages 282-298) Chapter 6 (Contd): Ellipse and its Elements, Standard Form of an Ellipse, Graph of an Ellipse, Exercise 6.5 Hyperbola and its Elements, Standard Equation of Hyperbola, Graph of Hyperbola, Exercise 6.6	<u>Building confidence by discussion</u>
26	(Pages 298-324) Chapter 6 (Contd): Tangents and Normals, Condition of Tangent to the Hyperbola, Intersection of Two Conics, Exercise 6.7 Translation and Rotation of Axes, Exercise 6.8 General Equation of Second Degree, Tangents to the General Equation of the Second Degree at Given Point Exercise 6.9	<u>Practice of Fazaian Honour Code -8</u>
27	Revision	<u>Kashmir Day</u>
28	<b>PRE BOARD EXAMINATION (HSSC-II)</b>	
29		
30	Revision and Test from Chapter No 1, 7	<u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u>
31	Revision and Test from Chapter No 2	<u>Practice of Fazaian Honour Code -9</u>
32	Revision and Test from Chapter No 3	<u>Practice of Fazaian Honour Code -10</u>
33	Revision and Test from Chapter No 4, 5	<u>Revision of Fazaian Honour</u>
34	Revision and Test from Chapter No 6	<u>Revision of Fazaian Honour</u>
35	<b>FBISE Past Papers (2013-2015) Solution</b>	<u>Revision of Fazaian Honour</u>
36	<b>FBISE Past Papers (2016-2018) Solution</b>	<u>Farewell party</u>
37	<b>PREP LEAVES</b>	
<b>ANNUAL FBISE EXAM</b> (April, 2019)		

# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

## PHYSICS: Class-XII

Punjab Textbook Board

Class XII

Academic Week	Unit/Chapter & Topic	Personality Grooming Activities
1	(Pages 1-18) <b>Chapter 12: Electrostatics</b> , Coulomb's Law, Fields of Force, Electric Field Lines, Application of Electrostatics, Electric Flux, Electric Flux through a Surface Enclosing Charge and Gauss's Law, Application of Gauss's Law, Electric Potential, Electric Field as Potential Gradient,	<u><b>Orientation Ceremony</b></u>
2	(Pages 18-30) <b>Chapter 12 (contd)</b> : Electron Volt, Comparison Between Electric and Gravitational Forces, Charge on electron by Milikan's Method, Capacitors, Capacitance of a Parallel Plate Capacitor Electric Polarization of Dielectrics, Charging and Discharging of a Capacitor, Examples, Questions, Problems,	
3	(Pages 31-50) <b>Chapter 13: Current Electricity</b> , Introduction, Electric Current, Current Direction, Source of Current, Effects of Current ,Ohm's Law, Resistivity and its Dependence upon Temperature, Colour Code for Carbon Resistances, Electrical Power and Power Dissipation in Resistors, Electromotive Force and Potential Difference, Kirchhoff's Rules .	<u><b>Celebration of Independence Day</b></u>
4	(Pages 50-55) <b>Chapter 13 (contd)</b> : Wheatstone Bridge, Potentiometer, Examples, Questions, Problems, End Chapter Test	<u><b>Discussion on Eid-ul-Azha</b></u>
5	(Pages 56-66) <b>Chapter 14: Electromagnetism</b> , Magnetic Field Due to Current in a Long Straight Wire, Force on a Current Carrying Conductor in a Uniform Magnetic Field, Magnetic Flux and Flux Density, Ampere's Law and its Application, Force on a Moving Charge in a Magnetic Field.	<u>Elections of Students' Council (Extended Break Time on Election day)</u>
6	(Pages 66-72) <b>Chapter 14 (contd)</b> : Motion of Charged Particles in an Electric and Magnetic field, Determination of e/m of an Electron, CRO and its uses, Torque on Current Carrying Coil, Galvanometer and its Conversion into Ammeter.	<u><b>Defence Day Celebration</b></u>
7	(Pages 73-80) <b>Chapter 14 (contd)</b> : Galvanometer and its Conversion into Voltmeter and Ohm Meter, Avometer, Examples, Questions, Problems, End Chapter Test	
8	(Pages 81-97) <b>Chapter 15: Electromagnetic Induction</b> , Induced EMF and Induced Current, Motional EMF, Faraday's Law and Induced EMF, Lenz's Law and Direction of Induced EMF, Mutual Induction, Self-Induction, Energy Stored in an Inductor,	<u><b>Importance of Ashora-e-Moharram</b></u>

9	(Pages 97-110) <b>Chapter 15 (contd):</b> Alternating Current Generator, DC Generator, Back Motor Effect in Generators, DC Motor, Back EMF Effects in Motors, Transformer, Examples, Questions, Problems, End Chapter Test	
10	(Pages 135-153) <b>Chapter 17: Physics of Solids,</b> Classification of Solids, Mechanical Properties of Solids i.e. Deformation, Stress and Strain, Elastic Constants, Elastic Limit and Yield Strength, Strain Energy, Electrical Properties of Solids, Energy Band Theory, Super Conductors, Magnetic Properties of Solids, <i>Examples, Questions, Problems, End Chapter Test</i>	<u><b>World Teacher's Day</b></u>
11	(Pages 154-165) <b>Chapter 18: Electronics,</b> Brief View of p-n Junction and its Characteristics, Rectification, Specially Designed p-n Junctions, Transistors, Transistor as an Amplifier, Transistor as a Switch, Operational Amplifier, Op-Amp as Inverting / Non-Inverting Amplifier	
12	(Pages 165-174) <b>Chapter 18 (contd):</b> Op-Amp as a Comparator, Comparator as Night Switch, Digital systems, Fundamental logic gates, Other logic gates, Application of gates in control system, Examples, Questions, Problems, End Chapter Test	<u><b>Lecture on Personal Hygiene</b></u>
13	<b>MID-YEAR REVIEW</b>	
14		
15	(Pages 175-181) <b>Chapter 19: Dawn of Modern Physics,</b> Relative Motion, Inertial Frame of Reference, Special Theory of Relativity.	<u><b>Iqbal Day</b></u>
16	(Pages 181-191) <b>Chapter 19 (contd):</b> Black Body Radiation, Interaction of Electromagnetic Radiation with Matter.	<u><b>Peer Coaching</b></u>
17	(Pages 191-201) <b>Chapter 19 (contd):</b> Annihilation of Matter, Wave Nature of Particles, Uncertainty Principle, Examples, Questions, Problems, End Chapter Test.	<u><b>Importance of Rabi-ul-Awel</b></u>
18	<b>Revision</b>	<u><b>Lecture on First Aid/Fire Fighting</b></u>
19	<b>SEND-UP EXAMINATION</b>	
20		
21	(Pages 111-120) <b>Chapter 16: Alternating Current,</b> AC and AC Circuits, AC Through a Resistor, AC Through a Capacitor, AC Through an Inductor	Celebration of Quaid's day
22	(Pages 120-134) <b>Chapter 16 (contd):</b> Impedance, R-C and R-L Series Circuit, Power in an AC Circuit, , Series Resonance Circuit, Parallel Resonance Circuit, Three Phase AC Supply, Principle of Metal Detectors, Choke,	<u><b>Parent - Teacher Meeting and Appraisal of Send Up Results</b></u>

	Electromagnetic Waves, Principle of Generation, Transmission and Reception of Electromagnetic Waves, Modulation, Examples, Questions, Problems, End Chapter Test	
23	(Pages 202-208) <b>Chapter 20: Atomic Spectra</b> , Atomic Spectra, Bohr's Model (Postulates), Quantized Radii, Quantized Energies and Hydrogen Emission Spectrum of Bohr's Atomic Model.	
24	(Pages 208-218) <b>Chapter 20 (contd)</b> : Inner Shell transitions, Uncertainty within Atom, Laser, Examples, Questions, Problems, End Chapter Test	
25	(Pages 219-246) <b>Chapter 21 Nuclear Physics:</b> Atomic Nucleus, Isotopes, Mass defect & binding energy, Radioactivity, Half Life, Interaction of Radiation with matter, Radiation detectors, Nuclear reactions. Nuclear Fission.	
26	(Pages 246-259) <b>Chapter 21 (contd)</b> : Fusion Reaction, Radiation Exposure, Biological Effects of Radiation, Biological and Medical Uses of Radiation, Biological Effects of Radiation, Basic Forces of Nature, Building Blocks of Matter, Examples, Questions, Problems, End Chapter Test	<b><u>Building Confidence by Discussion</u></b>
27	<b>Revision</b>	<b><u>Kashmir Day</u></b>
28	<b>PRE BOARD EXAM</b>	
29		
30	<b>Revision and Test</b>	<b><u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u></b>
31	<b>Revision and Test</b>	
32	<b>Revision and Test from Chapter No 12 &amp; 13</b>	
33	<b>Revision and Test from Chapter No 14 &amp; 15</b>	
34	<b>Revision and Test from Chapter No 16 &amp; 17</b>	
35	<b>Revision and Test from Chapter No 18 &amp; 19</b>	
36	<b>Revision and Test from Chapter No 20 &amp; 21</b>	<b><u>Farewell Party</u></b>
36	<b>FBISE Past Papers (2013-2018) Solution</b>	
37	<b>PREP LEAVES</b>	
<b>ANNUAL FBISE EXAM</b>		

# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

## CHEMISTRY: Class-XII

National Book Foundation

Class XII

Academic Week	Unit/Chapter & Topic	Personality Grooming Activities
1	(Pages 102-117) <b>Chapter 15: Organic Compounds</b> , Sources of Organic Compounds, Coal, Characteristics of Organic Compounds, Uses of Organic Compounds, Bucky Balls, Functional Groups and Homologous Series, Detection of Elements in Organic Compounds and <b>Exercise</b>	<u><b>Orientation Ceremony</b></u>
2	(Pages 118-139) <b>Chapter 16: Hydrocarbons</b> , Types of Hydrocarbons, Alkanes and Cycloalkanes, Radical Substitution Reactions, Oxidation and Reduction of Organic Compounds, Alkenes.	
3	(Pages 139-153) <b>Chapter 16 (Contd.):</b> Isomerism and Alkynes.	<u><b>Celebration of Independence Day</b></u>
4	(Pages 153-177) <b>Chapter 16 (Contd.):</b> Benzene and Substituted Benzenes, <b>Exercise</b> .	<u><b>Discussion on Eid-ul-Azha</b></u>
5	(Pages 178-191) <b>Chapter 17: Alkyl Halides and Amines</b> , Alkyl Halide	<u>Elections of Students' Council (Extended Break Time on Election day)</u>
6	(Pages 191-203) <b>Chapter 17 (Contd.):</b> Organometallic Compounds, Amines, <b>Exercise</b>	<u><b>Defence Day Celebration</b></u>
7	(Pages 204-227) <b>Chapter 18: Alcohol, Phenols and Ethers</b> , Alcohols, Phenols, Ethers, <b>Exercise</b>	
8	(Pages 6-34) <b>Chapter 13: s – and p – Block Elements:</b> Period 3 (Na to Ar), Group 1-Elements	<u><b>Importance of Ashora-e-Moharram</b></u>
9	(Pages 34-63) <b>Chapter 13 (Contd.):</b> Group 2-Elements, Group 4-Elements, Group 7 Elements: (Halogens) and <b>Exercise</b>	
10	(Pages 64-71) <b>Chapter 14: d - and f - Block Elements Transition Elements:</b> Introduction and General Features.	<u><b>World Teacher's Day</b></u>
11	(Pages 72-101) <b>Chapter 14 (Contd.):</b> Coordination Compounds, Chemistry of Some Important Transition Elements and <b>Exercise</b>	
12	(Pages 272-291) <b>Chapter 21: Biochemistry:</b> Carbohydrates, Proteins, Enzymes, Lipids	<u><b>Lecture on Personal Hygiene</b></u>
13	<b>MID-YEAR REVIEW</b>	

14		
15	(Pages 291-305) <b>Chapter 21 (Contd.):</b> Nucleic Acids, Minerals of Biological Significance and <b>Exercise</b>	<u>Iqbal Day</u>
16	(Pages 306-311) <b>Chapter 22: Industrial Chemistry:</b> Introduction to Chemical Industry, Raw Material for the Chemical Industry, Safety Considerations in Process Industries.	<u>Peer Coaching</u>
17	(Pages 311-333) <b>Chapter 22 (Contd.):</b> Dyes, Pesticides, Petrochemical, Synthetic Polymers, Cosmetic Chemistry, Adhesives and <b>Exercise.</b>	<u>Importance of Rabi-ul-Awel</u>
18	<b>Revision</b>	<u>Lecture on First Aid/Fire Fighting</u>
19	<b>SEND-UP EXAMINATION (HSSC)</b>	
20		
21	(Pages 228-233) <b>Chapter 19: Aldehydes and Ketones:</b> Nomenclature, Physical Properties, Structure, Preparations of Aldehydes and Ketones	Celebration of Quaid's day
22	(Pages 233-249) <b>Chapter 19 (Contd.):</b> Reactivity, Reactions of Aldehydes and Ketones, Relative Reactivity and <b>Exercise.</b>	<u>Parent - Teacher Meeting and Appraisal of Send Up Results</u>
23	(Pages 250-271) <b>Chapter 20: Carboxylic Acids and Functional Derivatives:</b> Nomenclature, Physical Properties, Structure, Acidity, Preparations of Carboxylic Acids, Reactivity Reactions of Carboxylic Acids, (Reactions of Amides), Reactions of Carboxylic Acids, (Reactions of Nitriles) and <b>Exercise.</b>	
24	(Pages 334-349) <b>Chapter 23: Environmental Chemistry:</b> Chemistry of Troposphere, Chemistry of the Stratosphere, Water Pollution and Water Treatment.	
25	(Pages 349-363) <b>Chapter 23 (Contd.):</b> Green Chemistry and <b>Exercise</b> (Pages 364-367) <b>Chapter 24: Analytical Chemistry,</b> Classical Method of Analysis.	
26	(Pages 367-390) <b>Chapter 24 (Contd.):</b> Modern Methods of Analysis, <b>Exercise</b>	<u>Building Confidence by Discussion</u>
27	<b>REVISION</b>	<u>Kashmir Day</u>
28	<b>PRE BOARD EXAM : HSSC</b>	
29		

30	Revision and Test	<u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u>
31	Revision and Test	
32	Revision and Test	
33	Revision and Test from Chapter No 15, 16, 17, 18	
34	Revision and Test from Chapter No 19, 20, 13, 14	
35	Revision and Test from Chapter No 21, 22, 23, 24	
36	FBISE Past Papers (2013-2018) Solution	<u>Farewell Party</u>
37	PREP LEAVES	
<b>ANNUAL FBISE EXAM</b>		



# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

## PAKISTAN STUDIES:

National Book Foundation, Islamabad

CLASS-XII

Academic Week	Unit/Chapter & Topic	Personality Grooming Activities
1	(Pages 1-7) <b>Chapter 1: Genesis Of The Islamic Republic Of Pakistan</b> , Definition of Ideology, Islamic Concept of Nationhood, Two-Nation Theory, Components of Ideology of Pakistan, Outcome of the Sustained Muslim Efforts 1857-1947.	<u><b>Orientation Ceremony</b></u>
2	(Pages 8-15) <b>Chapter 1 (Contd):</b> The Aligarh Movement, Formation of Muslim League, The Khilafat Movement.	
3	(Pages 15-28) <b>Chapter 1 (Contd):</b> The Pakistan Resolution 1940, Cripps Mission, Simla Conference, Elections 1945-46, Cabinet Mission, The Simla Conference, Formation of Interim Government, 3 <sup>rd</sup> June Plan 1947, Indian Independence Act 1947 and Emergence of Pakistan.	<u><b>Celebration of Independence day</b></u>
4	(Page 29-37) <b>Chapter 2: Initial Problems Of The Islamic Republic Of Pakistan</b> , Radcliff Award, Problems of the New born State, Efforts for Resolving the Problems	<u><b>Discussion on Eid-ul-Azha</b></u>
5	(Pages 37-46) <b>Chapter 2 (contd):</b> National solidarity and stability, Quaid's Vision of Pakistan, Quaid's Strategy for the Solution of Problems	<u><b>Elections of Students' Council</b></u> (Extended Break Time on Election day)
6	(Pages 47-52) <b>Chapter 3: Geography of the Islamic Republic of Pakistan.</b> Location, Boundaries, Physical Profile, Temperature Zone, Imbalanced Economic Growth.	<u><b>Defence day celebration</b></u>
7	(Pages 52-58) <b>Chapter 3 (contd):</b> Influence of Climate on Human Life, Pak Geo-Strategic Position, Transit Facilities for Land Locked States, Tourist Attractions in Pakistan	
8	(Pages 58-68) <b>Chapter 3 (contd):</b> Map Reading, Maps Briefing and Exercise.	<u><b>Importance of Muharram</b></u>
9	(Pages 69-78) <b>Chapter 4: Steps Towards Islamic Republic of Pakistan.</b> The Objectives Resolution, Significance and Impacts, Islamic Provisions of the Constitutions of 1956 and 1962, Islamic Provisions of the Constitution of 1973, Steps towards Islamization Since 1977	
10	(Pages 78-90) <b>Chapter 4 (contd):</b> , Obstacles in the Way of Islamization, Rights and Responsibilities, Human Rights, Last Hajj Sermon, Charter of Human Rights, Fundamental Human Rights of UN – Comparison, Exercise	<u><b>World Teacher's Day</b></u>
11	(Pages 91-103) <b>Chapter 5: Administrative Structure of Pakistan and the Concept of Good Governance.</b> Federal Form of Government, Organs of the Federal Government, Provincial Governments (Powers and Functions), Local Government Under the Devolution Plan, Concept of Good Governance in Islam,	
12	(Pages 103-112) <b>Chapter 5 (contd):</b> Hazrat Umar's System of Government, Devolution Plan and good governance, Obstacles in the Way of Good Governance, Exercise	<u><b>Lecture on Personal Hygiene</b></u>

13	<b>MID-YEAR REVIEW</b>	
14		
15	(Pages 113-122) <b>Chapter 6: Culture of the Islamic Republic of Pakistan.</b> Ancient Civilization of Pakistan, Important Ancient Sites of Cultural Significance, Common characteristics of Pakistani culture, Be Pakistani Buy Pakistani	<u>Iqbal Day</u>
16	(Pages 122-130) <b>Chapter 6: (contd)</b> Gender Equity, Rights of women in Islam, Policies for Women, Participation in Socio-Political Affairs, Women Representation in Assemblies, Exercise	<u>Peer Coaching</u>
17	(Pages 131-144) <b>Chapter 7: Languages of The Islamic Republic Of Pakistan.</b> National Language of Pakistan (Urdu), Regional Languages of Pakistan (Punjabi, Sindhi, Baluchi, Pushto), Exercise	<u>Importance of Rabi ul Awal</u>
18	<b>Revision</b>	<u>Lecture on First Aid/Fire Fighting</u>
19	<b>SEND-UP EXAMINATION (HSSC)</b>	
20		
21	(Pages 145-154) <b>Chapter 8: National Integration and Prosperity.</b> Significance of National Integration– Problems and Remedial Measures , Exercise	<u>Celebration of Quaid's Day</u>
22	(Pages 155-159) <b>Chapter 9: Economic Planning and Development in the Islamic Republic of Pakistan:</b> Planning, why planning is required, Progress of the Agriculture sector, Industrial Development, Trade and Commerce, Information Technology	<u>Parent - Teacher Meeting and Appraisal of Send Up Results</u>
23	(Pages 159-166) <b>Chapter 9 (Contd):</b> , Economic planning in the Light of Five Year Plan, First, Second and Third five year plan (1955-60) ,Fourth five year plan (1970-75), Fifth, Sixth Seventh and Eighth five year plans	
24	(Pages 166-172) <b>Chapter 9: (contd):</b> Natural Resources, Health and Education for All, Economic Planning in Pakistan: A Bird's Eye View, Exercise	
25	(Pages 173-182) <b>Chapter 10: Foreign Policy of the Islamic Republic of Pakistan,</b> Fundamental Principles, Aims and Objectives , Factors Determining the Foreign Policy ,Foreign Relations of Pakistan with China, Foreign Relations of Pakistan with India,	
26	(Pages 182-195) <b>Chapter 10: (contd),</b> Foreign Relations of Pakistan with Islamic Republic of Iran, Islamic Republic of Pakistan and US, Islamic Republic of Pakistan and Afghanistan , Islamic Republic of Pakistan and Saudi Arabia, Our Foreign Policy: Failures and Successes, Exercise	<u>Building confidence by discussion</u>
27	<b>Revision</b>	<u>Kashmir Day</u>
28	<b>PRE BOARD EXAM : HSSC</b>	

29		
30	Revision and Test	<u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u>
31	Revision and Test	
32	Revision and Test from Chapter No 1, 2,3	
33	Revision and Test from Chapter No 4, 5	
34	Revision and Test from Chapter No 6, 7, 8	
35	Revision and Test from Chapter No 9, 10	
36	<b>FBISE Past Papers (2014-2018) Solution</b>	<u>Farewell party</u>
37	<b>PREP LEAVES</b>	
<b>ANNUAL FBISE EXAM</b>		

# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

## BIOLOGY: CLASS-XII

National Book Foundation, Islamabad

(HSSC-II)

Academic Week	Unit/Chapter & Topic	Personality Grooming Activities
1	<p><b>Ice-Breaking at the Session Commencement</b>  <i>[Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]</i></p> <p>(Pages 6-16) <b>Chapter 14: RESPIRATION</b> , Respiratory System of Man, upper respiratory tract, lower respiratory tract, The Mechanism of Breathing, Respiratory Volumes, Control of Breathing, Transport of Gases</p>	<u><b>Orientation Ceremony</b></u>
2	(Pages 16-21) <b>Chapter 14 (Cont'd):</b> Respiratory Disorders, (Activity) , Exercise	
3	(Pages 22-33) <b>Chapter 15: HOMEOSTASIS</b> , Mechanism of Homeostasis, Concept of Feedback Mechanism in Homeostasis ,Osmoregulation, Excretion, Excretory System of Man	<u><b>Celebration of Independence day</b></u>
4	(Page 33-43) <b>Chapter 15 (Cont'd):</b> Disorders of Urinary Tract, Thermoregulation,(Activity) Exercise	<u><b>Discussion on Eid-ul-Azha</b></u>
5	(Pages 44-59 ) <b>Chapter 16: SUPPORT AND MOVEMENT, HUMAN</b> Skeleton, Disorders of Skeleton, Muscles	<u><b>Elections of Students' Council</b></u> (Extended Break Time on Election day)
6	(Pages 59-67) <b>Chapter 16 (Cont'd):</b> Muscle Contraction-Sliding Filament Model, Antagonistic Arrangement of Skeleton Muscles, Muscle Disorders, (Activity) Exercise	<u><b>Defence day celebration</b></u>
7	(Pages 68- 87) <b>Chapter 17: NERVOUS COORDINATION</b> , Steps Involved in Nervous Coordination, Neurons, Nerve Impulse, Synapse, Basic Organization of Human Nervous System, Effects of Drug on Nervous Coordination	
8	(Pages 87-93) <b>Chapter 17 (cont'd):</b> Disorders of Nervous System and Diagnostic Tests, Exercise	<u><b>Importance of Muharram</b></u>
9	(Pages 94-109) <b>Chapter 18: CHEMICAL COORDINATION</b> , Hormones-The Chemical Messengers, Endocrine System of Man, Feedback Mechanism, (Activity)Exercise	
10	(Pages 144-169) <b>Chapter 21: DEVELOPMENT AND AGING.</b> Embryonic Development, Control of Development, Human Embryonic Development , Birth and Nursing, Disorders During Embryonic Development, Postnatal Development, Aging,	<u><b>World Teacher's Day</b></u>

	(Activity) Exercise	
11	(Pages 170-207) <b>Chapter 22: INHERITANCE</b> , Mendelian Inheritance, Association of Inheritance with Laws of Mendel, Exceptions to Mendelian Inheritance, Blood Group Systems, Polygenic Inheritance and Epistasis, Gene Linkage and Crossing Over, Sex Linkage, Exercise	
12	(Pages 208- 243) <b>Chapter 23: CHROMOSOME AND DNA</b> . Chromosomal Theory of Inheritance, DNA as the Hereditary Material, DNA Replication, GENE Expression, Genetic Code, Regulating Gene Expression, Mutations ,(Activity) Exercise	<u>Lecture on Personal Hygiene</u>
13	<b>MID-YEAR REVIEW</b>	
14		
15	(Pages 244-264) <b>Chapter 24: EVOLUTION</b> . The Evolution of the Concept of Evolution, Evolution from Prokaryotes to Eukaryotes, Lamarckism, Darwinism, Neo-Darwinism Exercise	<u>Iqbal Day</u>
16	(Pages 266-278) <b>Chapter 25: MAN AND HIS ENVIRONMENT</b> : Biological Cycle, The flow of Energy, Ecological Succession, Population Dynamics	<u>Peer Coaching</u>
17	(Pages 279-290) <b>Chapter 25 (Contd')</b> :, Human Impacts on Environment, Carbon dioxide and Global Warming, Environmental Resources and their Repletion, (Activity) Exercise	<u>Importance of Rabi ul Awal</u>
18	<b>Revision</b>	<u>Lecture on First Aid/Fire Flight</u>
19	<b>SEND-UP EXAMINATION (HSSC)</b>	
20		
21	(Pages110- 124) <b>Chapter 19: BEHAVIOUR</b> . The Nature of Behaviour , Innate Behaviour, Social Behaviour,(Activity) (Exercise)	<u>Celebration of Quaid's Day</u>
22	(Pages126-143) <b>Chapter 20:</b> , <b>REPORODUCTION</b> , Reproductive System of Man, Female Reproductive Cycle and its Hormonal Regulation, Disorders of Reproductive System, (Activity),Exercise	<u>Parent - Teacher Meeting and Appraisal of Send Up Results</u>
23	(Pages 292-309) <b>Chapter 26: BIOTECHNOLOGY</b> , Cloning of Genes , Polymerase Chain Reaction, DNA Sequencing, DNA Analysis, Genome Maps, Tissue Culture	

24	(Pages 309-317) <b>Chapter 26: (cont'd)</b> , Transgenic Bacteria, Plants and Animals, Biotechnology and Healthcare, Scope and Importance of Biotechnology, (Activity) Exercise	
25	(Pages 318-327) <b>Chapter 27: BIOLOGY AND HUMAN WELFARE</b> , Vaccination and integrated Disease Management, Animal Husbandry, Latest Technique Applied to Enhance Crop and Fruit Yields, Home Gardening, Role of Microbes in Human Welfare,	
26	(Pages 327-329) <b>Chapter 27 (cont'd)</b> : Exercise	<b><u>Building confidence by discussion</u></b>
27	Revision	<b><u>Kashmir Day</u></b>
28	PRE BOARD EXAM : HSSC ( I & II )	
29		
30	Revision and Test	<b><u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u></b>
31	Revision and Test	
32	Revision and Test from Chapter No 14, 15, 16,17	
33	Revision and Test from Chapter No 18, 19,20	
34	Revision and Test from Chapter No 21, 22, 23,24	
35	Revision and Test from Chapter No 25, 26,27	
36	<b>FBISE pattern Papers</b>	<b><u>Farewell party</u></b>
37	<b>PREP LEAVES</b>	
<b>ANNUAL FBISE EXAM</b>		

Note:

1. Syllabus breakdown is based on the model paper provided by FBISE,
2. As per policy 70% of the total syllabus would be the part of sendup exam, the detail of the chapters are:

Section	Total Chapters	70% of total chapters
A	14-27	10 chapters (14-18 & 21-25)
B	14-20	5 chapters (14-18)
C	21-27	5 chapters (21-25)
D	14-27	10 chapters (14-18 & 21-25)

# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

## COMPUTER SCIENCE: XII

A Text Book of Computer Science for class XII

National Book Foundation

Class XII

Academic Week	Unit/Chapter & Topic	Personality Grooming Activities
1	<p><b>Ice-Breaking at the Session Commencement</b>  <i>[Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]</i></p> <p><b>(Pages 08-14) Chapter 1: Operating System</b>                      Introduction, Operating system, Commonly used OS, Types of operating systems and single user &amp; multi user OS.</p>	<b>Orientation Ceremony</b>
2	<p><b>(Pages 15-23) Chapter 1: (Contd)</b>                      Operating System Functions, Process management, Key points , Exercise and <b>Lab activities</b>:</p>	<b>Practice of Fazaian Honour Code -1</b>
3	<p><b>(Pages 24-28) Chapter 2 System Development Life Cycle</b>                      System development life cycle, System, SDLC and its importance, Objectives of SDLC, Stakeholders of SDLC, SDLC phases, Defining problem, Planning, Feasibility study, Analysis and requirement engineering.</p>	<b><u>Celebration of Independence day</u></b>
4	<p><b>(Pages 29-39) Chapter 2 (Contd):</b>                      Designing phase, Coding, Testing, Deployment, Personnel involved in SDLC and their role, Key points and Exercise <b>Lab activities</b></p>	<b><u>Discussion on Eid-ul-Azha</u></b>
5	<p><b>(Pages 40 47) Chapter 3: Object Oriented Programming in C++,</b>                      Introduction, computer program, Header file and reserved words, Structure of a C++ program, Statement terminator, Comments in C++ program, Constants and variables, Rules for specifying variables, C++ data types, The Const qualifier, variable declaration and initialization and type casting</p>	<p><b><u>Elections of Students' Council</u></b>                      (Extended Break Time on Election day)</p>
6	<p><b>(Pages 48-56 ) Chapter 3 (Contd)</b>                      Input/ Output handling, The cout Statement, The cin Statement, The getch(), gets() and puts() functions, The escape sequence, Commonly used escape sequence, Programming with I/O handling function and manipulators endl and Setw.</p>	<b><u>Defence Day Celebration</u></b>
7	<p><b>(Pages 57-69) Chapter 3 (Contd):</b>                      Operators in C++, Types of operator, Unary, Binary, and Ternary operators, Order of precedence of operators, key points, Exercise and <b>Lab activities</b>.</p>	<b>Practice of Fazaian Honour Code -2</b>
8	<b>(Pages 70-80) Chapter 4, Control Structures</b>	<b><u>Importance of Ashora-e-</u></b>



	<b>Decision Structures-</b> The If statement, The If –else statement, The else-If statement, The switch statement and difference between if-else if and switch statements	<b><u>Moharram</u></b>
9	<b>(Pages 81-90) Chapter 4 (Contd):</b> <b>Loops-</b> The for loop, The while loop, The do while loop, Difference between while loop and do while loop, The break and continue statements, The exit function and nested loop	<b><u>Motivational talk on religious tolerance</u></b>
10	<b>(Pages 91-95) Chapter 4 (Contd):</b> Key points Exercise and <b>Lab activities</b>	<b><u>World Teacher’s Day</u></b>
11	<b>(Pages 96-106) Chapter 5 Arrays and Strings</b> Introduction to arrays, Concepts of an array, Declaring an array, Initialization of array, Using arrays in programs, The sizeof() function, Two dimensional arrays, Introduction to two dimensional arrays, Defining and initializing a two dimensional array, Accessing and writing in a two dimensional array	<b><u>Practice of Fazaian Honour Code -3</u></b>
12	<b>(Pages 107-115) Chapter 5 (Contd);</b> Strings, introduction string, Initializing strings, Commonly used string functions, key points, Exercise and <b>Lab activities</b>	<b><u>Lecture on Personal Hygiene</u></b>
13	<b>MID-YEAR REVIEW</b>	
14		
15	<b>(Pages 116-129) Chapter 6: Functions</b> Functions, Types of functions, Advantages of functions, Function signature, Function component, Scope of variables in function, Parameters, Local and global function	<b><u>Celebration of Iqbal Day</u></b>
16	<b>(Pages 129-135) Chapter 6 (Contd):</b> Passing arguments, Default arguments and return statements.	<b><u>Peer Coaching</u></b> <b><u>Practice of Fazaian Honour Code -4</u></b>
17	<b>(Pages 136-141) Chapter 6 (Contd) :</b> Function overloading, Advantages of function overloading, Use of function overloading, Key points, Exercise and <b>Lab activities</b>	<b><u>Importance of Rabi-ul-Awal</u></b>
18	<b>Revision</b>	<b><u>Lecture on First Aid/Fire Fighting</u></b> <b><u>Practice of Fazaian Honour Code -5</u></b>
19	<b>SEND-UP EXAMINATION (HSSC-II)</b>	
20		
21	<b>(Pages 142-147) Chapter 7: Pointers</b> Introduction to pointers, Pointer variable, Memory address, Reference operator or Address operator, Deference operator, Declaring variables of pointer types, Pointer initialization	<b><u>Celebration of Quaid’s Day</u></b>

22	<b>(Pages 148-149) Chapter 7 (Contd):</b> Key points, Exercise and Lab activities	<b><u>Parent - Teacher Meeting and Appraisal of Send Up Results</u></b>
23	<b>(Pages 150-165) Chapter 8: Objects and Classes</b> Introduction, Classes and objects, Members of a class, Access specifiers, Data hiding, and Constructor and destructor.	<b><i>Practice of Fazaian Honour Code -6</i></b>
24	<b>(Pages 165-173) Chapter 8 (Contd):</b> Declaration of objects for accessing members of a class, Inheritance and polymorphism Key points, Exercise and Lab activities.	<b><i>Practice of Fazaian Honour Code -7</i></b>
25	<b>(Pages 174-182) Chapter 9 (Contd): File Handling</b> Introduction, Types of files, Opening file and bof() and eof().	<b><u>Building confidence by discussion</u></b>
26	<b>(Pages 182-187) Chapter 9 (Contd):</b> Stream, Types of stream, Key points, Exercise and Lab activities	<b><i>Practice of Fazaian Honour Code -8</i></b>
27	Revision	<b><u>Kashmir Day</u></b>
28	<b>PRE BOARD EXAMINATION (HSSC-II)</b>	
29		
30	Revision and Test from Chapters No 1, 2	<b><u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u></b>
31	Revision and Test from Chapters No 3, 4	<b><i>Practice of Fazaian Honour Code -9</i></b>
32	Revision and Test from Chapters No 5,6	<b><i>Practice of Fazaian Honour Code -10</i></b>
33	Revision and Test from Chapters No 7,8, 9	<b><i>Revision of Fazaian Honour</i></b>
34	Revision and Test from Chapters No 1-9	<b><i>Revision of Fazaian Honour</i></b>
35	<b>FBISE pattern based paper-1 (Ch 1-9)</b>	<b><i>Revision of Fazaian Honour</i></b>
36	<b>FBISE pattern based paper-2 (Ch 1-9)</b>	<b><u>Farewell party</u></b>
37	<b>PREP LEAVES</b>	
<b>ANNUAL FBISE EXAM</b> (April, 2019)		