



# WEEKLY SYLLABI BREAKDOWN

**Academic Session: 2018-19**

**Class XI**

**Fazaia Teachers' Training Institute**

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

**March, 2018**

# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

## ENGLISH: Class-XI

Khyber Pakhtunkhwa Textbook Board Peshawar

Class XI

| Academic Week | Unit/Chapter & Topic  | Personality Grooming Activities   |
|---------------|---|---|
| 1             | (Page11) Unit-1 <b>First Attempts and Challenges</b><br>(Pages 12-16) Unit-1.1 <b>His First Flight</b> (Reading and Vocabulary)<br>Grammar: Noun, Pronoun   | <u><b>Orientation Ceremony</b></u>  |
| 2             | Unit-1 <b>First Attempts and Challenges</b><br>(Pages 17-25) Unit-1.1 <b>His First Flight</b> (Exercises)<br>(Pages 26-32) Unit 1.2 <b>First Year at Harrow</b> ( Reading and Exercises )<br>Grammar: Adjectives, Adverbs |   |
| 3             | (Pages 33-38) Unit 1.3 <b>September, the First Day Of School</b> (Reading and Exercises )<br>Grammar: Adjectives, Adverbs   | <u><b>Celebration of Independence Day</b></u>                               |
| 4             | (Pages 39-44) Unit 2: <b>Environment Nature</b><br>Unit 2.1 <b>It's Country for Me</b> (Reading & Explanation )   | <u><b>Discussion on Eid-ul-Azha</b></u>                                     |
| 5             | (Pages 44-53) Unit 2.1(contd) <b>Vocabulary and Exercises</b>   | <u>Elections of Students' Council (Extended Break Time on Election day)</u> |
| 6             | (Pages 54-59) Unit 2.2 <b>Our Environment</b> (Reading and Exercises )<br>Composition: Letter Writing   | <u><b>Defence Day Celebration</b></u>                                       |
| 7             | (Pages 60-64) Unit 2.3 <b>Tears Of Nature</b> (Reading and Exercises)<br>(Page 65) Unit <b>3 Changing Attitudes</b><br>Grammar: Infinitive, Gerund and Participle   |   |
| 8             | (Pages 66-71) Unit 3.1 <b>The Blanket</b> (Reading and Exercises)<br>Grammar: Correct Use of Verb   | <u><b>Importance of Ashora-e-Moharram</b></u>                               |
| 9             | (Pages 72-78) Unit 3.2 <b>The Way it Was and Is</b> (Reading and Exercises)<br>Grammar: Direct and Indirect Object, Change of Narration   |   |
| 10            | (Pages 79-84) Unit 3.3 <b>The Most Beautiful Flower</b> (Reading and Exercises )<br>Grammar: Kinds of Conjunction, Kinds of Preposition   | <u><b>World Teacher's Day</b></u>   |

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| 11 | (Page 85) Unit 4 <b>Acquiring Values</b> (Introduction )<br>(Pages 86-95) Unit 4.1 <b>The Scholarship Jacket</b><br>(Reading and Exercises)   |   |
| 12 | (Pages 96-106) Unit 4.2 <b>A Long Walk Home</b> (Reading and Exercises)<br>Unit 4.3 <b>Be the Best of Whatever You Are</b> (Reading and Exercises)<br>Grammar: Translation Urdu to English  | <u><b>Lecture on Personal Hygiene</b></u>   |
| 13 | <b>MID-YEAR REVIEW</b>  |   |
| 14 |   |   |
| 15 | (Page107) Unit -5 <b>The Lighter Side</b> (Introduction )<br>(Pages 108-112) Unit 5.1 <b>Fly Away</b> (Reading & Explanation)<br>Grammar : Interjection, Correct Use of Verbs   | <u><b>Iqbal Day</b></u>   |
| 16 | (Pages 112-116) Unit 5.1 (Contd) (Exercises)<br>(Pages 117-120) Unit 5.2 <b>The Man Who Was A Hospital</b><br>(Reading & Explanation)<br>Composition: Paragraph Writing   | <u><b>Peer Coaching</b></u>   |
| 17 | (Pages 120-123) Unit 5.2 (Contd) : Exercises<br>(Pages 124-129) Unit 5.4 <b>When I'm an Old Lady</b> (Reading and Exercises)<br>Grammar: Kinds of Sentences, Phrasal Verbs (A – F)  | <u>Importance of Rabi-ul-Aweel</u>  |
| 18 | <b>Revision</b>   | <u><b>Lecture on First Aid/Fire Fighting</b></u>  |
| 19 | <b>SEND-UP EXAMINATION (HSSC)</b>   |   |
| 20 |   |   |
| 21 | (Page 130) Unit 6 : <b>Learning to Communicate (Introduction )</b><br>(Pages 131-140) Unit 6.1 <b>Finding a Job</b> (Reading and Exercises)<br>Unit 6.2 <b>A Stressful Job</b> (Reading and Exercises)<br>Grammar: Phrasal Verbs (G-I), Pair of Words   | Celebration of Quaid's day  |
| 22 | (Pages 141-155) Unit 6.3 <b>Writing Letters</b><br>(Advertisements and Job Applications, Job Application or Cover Letter, Rules for Writing Formal Letters in English, Abbreviations used in Letter Writing)<br>Grammar: Change of Voice  | <u><b>Parent - Teacher Meeting and Appraisal of Send Up Results</b></u>   |
| 23 | (Page 156) Unit 7 : <b>Visiting the Dentist</b> (An Introduction) (Pages 157-162) Unit 7.1 <b>Making an appointment</b> Unit 7.2 <b>At the Dental Reception</b><br>Unit 7.3 <b>Dental Check-up</b><br>Unit 7.4 <b>Dental Hygiene</b><br>(Reading and Exercises) Grammar: Phrasal Verbs (J-L), Pair of Words | Activity: Role play about visiting the dentist. (Students should act as dentist, patient, receptionist and helper respectively) |

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| 24                       | (Page163) Unit 8 <b>The Friendship</b> (An Introduction)<br>( Pages 164-170) <b>Damon and Pythias</b> (One Act Play )<br>Reading, Explanation and Exercises<br>Grammar: Punctuation, Translation, Correction of<br>Incorrect Sentences, Phrasal Verbs (M-P) |  |
| 25                       | ( Pages 170-176) <b>Damon and Pythias</b> Contd: (One Act<br>Play ) Reading, Explanation and Exercises<br>Grammar: Clauses and Phrases, Phrasal Verbs (Q-T)   |  |
| 26                       | (Pages 177-182) <b>Damon and Pythias</b> Contd: Reading<br>Drama/Plays<br>Grammar: Change of Narration, Phrasal Verbs (U-Z)   | <b><u>Building Confidence by<br/>Discussion</u></b>                                    |
| 27                       | REVISION  | <b><u>Kashmir Day</u></b>  |
| 28                       | <b>PRE BOARD EXAM : HSSC</b>  |  |
| 29                       |   |  |
| 30                       | Revision and Test from Unit 1   | <b><u>Parent - Teacher<br/>Meeting and<br/>Appraisal of Pre-<br/>Board results</u></b> |
| 31                       | Revision and Test from Unit 2   |  |
| 32                       | Revision and Test from Unit 3   |  |
| 33                       | Revision and Test from Unit 4   |  |
| 34                       | Revision and Test from Unit 5   |  |
| 35                       | Revision and Test from Unit 6,7   |  |
| 36                       | Revision and Test from Unit 8   | <b><u>Farewell Party</u></b>   |
| 36                       | Revision and Test from Grammar & Composition  |  |
| 37                       | PREP LEAVES   |  |
| <b>ANNUAL FBISE EXAM</b> |   |  |

## WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

### مضمون: اُردو

اردو لازمی (خیبر پختونخوا نیکسٹ بک بورڈ)

جماعت: گیارہویں

| Personality Grooming Activities  | Unit/Chapter & Topic   | Academic Week |
|--|--|---------------|
| <b><u>Orientation Ceremony</u></b>   | حصہ نثر: اپنی مدد آپ، مشقی سوالات (MCQs) مختصر سوالات و جوابات   | 1             |
|  | حصہ نثر: جھولے آدمی، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ نظم: حمد، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>قواعد: مرکب مصادر کو بطور معاون افعال استعمال کرنا  | 2             |
| <b><u>Celebration of Independence Day</u></b>                                      | حصہ نثر: نظریہ پاکستان، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ نظم: نعت، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>قواعد: اصناف سخن کی تعریف اور پہچان  | 3             |
| <b><u>Discussion on Eid-ul-Azha</u></b>  | حصہ نثر: پاکستانی قومیت کا مسئلہ، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ نثر: فقیرانہ آئے صدا کر چلے، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>قواعد: متعلق فعل کی تعریف و استعمال سے آگاہی                | 4             |
| <b><u>Elections of Students' Council (Extended Break Time on Election day)</u></b> | حصہ نثر: کچھ ادب کے بارے میں، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ نظم: شہر آشوب، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>قواعد: علم بیان، بدیع اور صنعتوں کی تعریف                                     | 5             |
| <b><u>Defence Day Celebration</u></b>  | حصہ نثر: لمحہء فکریہ، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ نظم: شہزادے کا چھت پر سونا اور۔۔۔۔۔ (مثنوی)، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>قواعد: خط   | 6             |
|  | حصہ نثر: داروغہ جی کی پانچوں گھی میں اور سر کڑا ہی میں، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>قواعد: اشتقاق، مشتقات، وصفی اور لغوی معنی، مجازی معنی، سلیبگ، بول چال اور اصطلاحی معنوں کے حوالے سے لغت کا استعمال | 7             |
| <b><u>Importance of Ashora-e-Moharram</u></b>                                      | حصہ نثر: آنگن، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>قواعد: تلخیص  | 8             |

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|   | حصہ نظم: ڈر مراد (مرثیہ)، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ غزل: پیری میں کیا جوانی کے موسم کو روپنے، مشقی سوالات (MCQs) مختصر سوالات و جوابات                            | 9  |
| <b><u>World Teacher's Day</u></b>                                       | حصہ نظم: تخت فرس پہ علی اکبر کا خطاب (مرثیہ)، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>قواعد: درخواست  | 10 |
|   | حصہ نثر: خوب صورت بلا، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ نظم: امید (مسدس)، مشقی سوالات (MCQs) مختصر سوالات و جوابات   | 11 |
| <b><u>Lecture on Personal Hygiene</u></b>                               | حصہ نظم: نصیحت اخلاقی، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>قواعد: (دہرائی) مرکب مصادر کو بطور معاون افعال استعمال کرنا  | 12 |
|   | <b>MID-YEAR REVIEW</b>  | 13 |
|   |   | 14 |
| <b><u>Iqbal Day</u></b>   | حصہ غزل: قتل عاشق کسی معشوق سے کچھ دور نہ تھا، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>قواعد: (دہرائی) اصناف سخن کی تعریف اور پہچان   | 15 |
| <b><u>Peer Coaching</u></b>   | حصہ نثر: تعلیم بانغاں، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ نظم: جلوہ سحر، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>قواعد: (دہرائی) متعلق فعل کی تعریف و استعمال سے آگاہی | 16 |
| <b><u>Importance of Rabi-ul-Awel</u></b>                                | حصہ غزل: ناگہ چمن میں جب وہ گل اندام آگیا، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>قواعد: (دہرائی) علم بیان، بدلیج اور صنعتوں کی تعریف  | 17 |
| <b><u>Lecture on First Aid/Fire Fighting</u></b>                        | <b>Revision</b>   | 18 |
|   | <b>SEND-UP EXAMINATION (HSSC)</b>   | 19 |
|   |   | 20 |
| <b><u>Celebration of Quaid's day</u></b>                                | حصہ نثر: شیراز اور کنار آب رکناباد وغیرہ، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>قواعد: مکالمہ   | 21 |
| <b><u>Parent - Teacher Meeting and Appraisal of Send Up Results</u></b> | حصہ نثر: روم - زندہ شہر، مردہ شہر، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ نظم: پرائیما کوٹ، مشقی سوالات (MCQs) مختصر سوالات و جوابات   | 22 |
|   | حصہ نثر: لالچی وزیر (ترجمہ)، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ نظم: یہ سڑکیں، مشقی سوالات (MCQs) مختصر سوالات و جوابات  | 23 |

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|   | حصہ نثر: مکاتیب ، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ غزل: دائم پڑا ہوا ترے در پر نہیں ہوں میں، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ قواعد: روداد  | 24 |
|   | حصہ نظم: قطعات، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ غزل: ہزاروں خواہشیں ایسی کہ ہر خواہش پر دم نکلے، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ قواعد: صنائع بدائع کے لحاظ سے غلط فقرات کی درستی     | 25 |
| <b><u>Building Confidence by Discussion</u></b>                           | حصہ نظم: اخلاص، مشقی سوالات (MCQs) مختصر سوالات و جوابات<br>حصہ غزل: آئینہ اپنی نظر سے نہ جدا ہونے دو، مشقی سوالات (MCQs) مختصر سوالات و جوابات   | 26 |
| <b><u>Kashmir Day</u></b>   | <b>Revision</b>   | 27 |
|   | <b>PRE BOARD EXAM : HSSC ( I &amp; II )</b>   | 28 |
|   |   | 29 |
| <b><u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u></b> | سبق نمبر ۱-۴، نظم نمبر ۱-۳، غزل نمبر ۱، اور گرائمر: صنائع بدائع کے لحاظ سے غلط فقرات کی درستی، مرکب مصادر کو بطور معاون افعال استعمال کرنا، تلخیص کی دہرائی اور ٹیسٹ  | 30 |
|   | سبق نمبر ۵-۸، نظم نمبر ۴-۶، غزل نمبر ۲-۱۳ اور گرائمر روداد، مکالمہ، متعلق فعل کی تعریف و استعمال سے آگاہی کی دہرائی اور ٹیسٹ  | 31 |
|   | سبق نمبر ۹-۱۲، نظم نمبر ۷-۹، غزل نمبر ۴، اور گرائمر: خط، درخواست، علم بیان، بدیع اور صنعتوں کی تعریف کی دہرائی اور ٹیسٹ   | 32 |
|   | سبق نمبر ۱۳-۱۵، نظم نمبر ۱۰-۱۳، غزل نمبر ۵، اور گرائمر: اشتقاق، مشتقات، وصفی اور لغوی معنی، مجازی معنی، سلیڈنگ، بول چال اور اصطلاحی معنوں کے حوالے سے لغت کا استعمال، اصناف سخن کی تعریف اور پہچان کی دہرائی اور ٹیسٹ | 33 |
|   | حصہ نثر کی دہرائی   | 34 |
|   | حصہ نظم اور حصہ غزل کی دہرائی   | 35 |
| <b><u>Farewell Party</u></b>  | حصہ قواعد کی دہرائی   | 36 |
|   | <b>PREP LEAVES</b>  | 37 |
| <b>ANNUAL FBISE EXAM</b>  |   |    |

# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

## Mathematics: XI

A Text Book of Mathematics (Algebra and Trigonometry)

Punjab Curriculum and Textbook Board, Lahore

Class XI

| Academic Week | Unit/Chapter & Topic   | Personality Grooming Activities   |
|---------------|--|---|
| 1             | <p><b>(Pages 285-309) Chapter 9: Fundamentals of Trigonometry.</b><br/>Introduction, Units of Measures of Angles, <b>Exercise 9.1</b><br/>General Angle, Angle in the Standard Position, Trigonometric Functions of any Angle, Fundamental Identities, <b>Exercise 9.2</b><br/>The Values of Trigonometric Functions of Acute The Values of Trigonometric Functions <b>Exercise 9.3</b></p>  | <b><i>Orientation Ceremony</i></b>  |
| 2             | <p><b>(Pages 309-312) Chapter 9 (Contd):</b> Domains of Trigonometric Functions and of Fundamental Identities, <b>Exercise 9.4</b><br/><b>(Pages 313-333) Chapter 10: Trigonometric Identities:</b> Introduction, Trigonometric Ratios, <b>Exercise 10.1</b><br/>Further Application of Basic Identities, <b>Exercise 10.2</b><br/>Double Angle Identities, Triple Angle Identities, <b>Exercise 10.3</b></p>  | <b><i>Practice of Fazaian Honour Code -1</i></b>  |
| 3             | <p><b>(Pages 333-336) Chapter 10 (Contd):</b> Sum, Difference and Product of Sines and Cosines, <b>Exercise 10.4</b><br/><b>(Pages 337-351) Chapter 11: Trigonometric Functions and their Graphs.</b> Period of Trigonometric Functions, <b>Exercise 11.1</b><br/>Values of Trigonometric Functions, Graphs of Trigonometric Functions, <b>Exercise 11.2</b></p>   | <b><i><u>Celebration of Independence day</u></i></b>  |
| 4             | <p><b>(Pages 352-360) Chapter 12: Application of Trigonometry.</b><br/>Introduction, Tables of Trigonometric Ratios, <b>Exercise 12.1</b><br/>Solution of Right Triangles, <b>Exercise 12.2</b><br/>Engineering and Heights and Distances, <b>Exercise 12.3</b></p>  | <b><i><u>Discussion on Eid-ul-Azha</u></i></b>  |
| 5             | <p><b>(Pages 361-373) Chapter 12 (Contd):</b> Oblique Triangles, The Law of Sines, Cosines and Tangents, Half Angle Formulas, Solution of Oblique Triangles, <b>Exercise 12.4, 12.5, 12.6</b></p>  | <b><i><u>Elections of Students' Council</u></i></b><br><i>(Extended Break Time on Election day)</i> |
| 6             | <p><b>(Pages 373-386) Chapter 12</b> Area of Triangle, <b>Exercise 12.7</b><br/>Circles Connected with Triangle, Engineering and Circles connected with triangles, <b>Exercise 12.8</b></p>  | <b><i><u>Defence Day Celebration</u></i></b>  |
| 7             | <p><b>(Pages 387-400) Chapt 13: Inverse Trigonometric Functions</b><br/>Introduction, Inverse Sine Function, The Inverse Cosine Function, Inverse Tangent Function, Inverse Cotangent, Secant and Cosecant Functions, <b>Exercise 13.1</b> Addition and Subtraction Formula, <b>Exercise 13.2 (Pages 401-407) Chapter 14: Solutions of Trigonometric Equations</b> Introduction, Solution of General Trigonometric Equations, <b>Exercise 14</b></p> | <b><i>Practice of Fazaian Honour Code -2</i></b>  |



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| 8  | <b>(Pages 01-28) Chapter 1 : Number Systems</b><br>Introduction, Rational and Irrational Numbers, Properties of Real Numbers, <b>Exercise 1.1</b> Complex Numbers, <b>Exercise 1.2</b> The Real Line, To find the Real and Imaginary Parts of a Complex Number, <b>Exercise 1.3</b>  | <b><u>Importance of Ashora-e-Moharram</u></b>  |
| 9  | <b>(Pages 29-47) Chapter 2 : Sets, Functions and Groups</b><br>Introduction, <b>Exercise 2.1</b> Operations on Sets, Venn-Diagrams, <b>Exercise 2.2</b> Operations on Three Sets, Properties of Union and Intersection, <b>Exercise 2.3</b>  | <b><u>Motivational talk on religious tolerance</u></b>   |
| 10 | <b>(Pages 47-64) Chapter 2 (Contd):</b> Inductive and Deductive Logic, Implication or Conditional, Bi-Conditional, <b>Exercise 2.4</b><br>Truth Sets, <b>Exercise 2.5</b> Relations, Functions, Linear and Quadratic Functions, Inverse of a Function, <b>Exercise 2.6</b>   | <b><u>World Teacher's Day</u></b>  |
| 11 | <b>(Pages 64-79) Chapter 2 (Contd):</b> Binary Operations, Properties of Binary Operations, <b>Exercise 2.7</b> Groups, Solution of Linear Equations, Reversal Law of Inverses, <b>Exercises 2.8</b><br><b>(Pages 80-96) Chapter 3: Matrices and Determinants</b><br>Introduction, Addition of Matrices, Scalar Multiplication, Singular and Non-singular Matrices, Solution of Simultaneous Linear Equations by using Matrices <b>Exercise 3.1</b>      | <b><u>Practice of Fazaian Honour Code -3</u></b>   |
| 12 | <b>(Pages 97-138) Chapter 3:</b> Field, Properties of Matrices, <b>Exercise 3.2</b> , Determinants, Properties of Determinants, <b>Exercise 3.3</b> Elementary Row and Column Operations on a Matrix, Echelon and Reduced Echelon Forms of Matrices, <b>Exercise 3.4</b> Linear Equations, Homogeneous & Non-Homogeneous Linear Equations, Cramer's Rule <b>Exercise 3.5</b>   | <b><u>Lecture on Personal Hygiene</u></b>  |
| 13 | <b>MID-YEAR REVIEW</b>   |  |
| 14 |  |  |
| 15 | <b>(Pages 139-164) Chapter 4 : Quadratic Equations</b><br>Introduction, Solution of Quadratic Equations, <b>Exercise 4.1</b> Solution of Equations Reducible to Quadratic Equation, <b>Exercise 4.2</b> , <b>Exercise 4.3</b> Three Cube Roots of Unity, <b>Exercise 4.4</b> Polynomial Functions, Theorems, Synthetic Division, <b>Exercise 4.5</b> Relations between the Roots and Formation of an Equation Whose Roots are Given, <b>Exercise 4.6</b> | <b><u>Celebration of Iqbal Day</u></b>   |
| 16 | <b>(Pages 165-177) Chapter 4 (Contd) :</b> Nature of the Roots of a Quadratic Equation, <b>Exercise 4.7</b> System of Two Equations Involving Two Variables, <b>Exercise 4.8</b> , <b>Exercise 4.9</b> Problems on Quadratic Equations, <b>Exercise 4.10</b>   | <b><u>Peer Coaching</u></b><br><b><u>Practice of Fazaian Honour Code -4</u></b>                      |
| 17 | <b>(Pages 178-188) Chapter 5: Partial Fractions</b> Introduction, Rational Fraction, Resolution of a Rational Fraction into Partial Fractions, <b>Exercise 5.1</b> , <b>5.2</b> , <b>5.3</b> & <b>5.4</b>  | <b><u>Importance of Rabi-ul-Awal</u></b>   |
| 18 | <b>Revision</b>  | <b><u>Lecture on First Aid/Fire Fighting</u></b><br><b><u>Practice of Fazaian Honour Code -5</u></b> |
| 19 | <b>SEND-UP EXAMINATION (HSSC-I)</b>  |  |

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|--|--|---|
| 20                                     |  |   |
| 21                                     | <b>(Pages 189-203) Chapter 6 : Sequences and Series</b><br>Introduction, Types of Sequences, <b>Exercise 6.1</b> Arithmetic Progression, <b>Exercise 6.2</b> Arithmetic Mean, <b>Exercise 6.3</b> Series, <b>Exercise 6.4</b> Word Problems on A.P., <b>Exercise 6.5</b>   | <b><u>Celebration of Quaid's Day</u></b>                                  |
| 22                                     | <b>(Pages 203-229) Chapter 6: Geometric Progression, Exercise 6.6,</b> Geometric Means, <b>Exercise 6.7</b> Sum of n-terms of a Geometric Series, <b>Exercise 6.8</b> Word Problems on G.P., <b>Exercise 6.9</b> Relations between Arithmetic, Geometric and Harmonic Means, <b>Exercise 6.10</b> Sigma Notation, <b>Exercise 6.11</b> | <b><u>Parent - Teacher Meeting and Appraisal of Send Up Results</u></b>   |
| 23                                     | <b>(Pages 230-239) Chapter 7 : Permutation, Combination &amp; Probability,</b> Introduction, <b>Exercise 7.1</b> Permutation, <b>Exercise 7.2</b> Permutation of Things Not All Different, Circular Permutation, <b>Exercise 7.3</b>   | <b><i>Practice of Fazaian Honour Code -6</i></b>                          |
| 24                                     | <b>(Pages 239-255) Chapter 7 (Contd):</b> Combinations, <b>Exercise 7.4</b> Probability, <b>Exercise 7.5,</b> Estimating Probability and Tally Marks, <b>Exercise 7.6</b> Addition of Probabilities, <b>Exercise 7.7,</b> Multiplication of Probabilities, <b>Exercise 7.8</b>   | <b><i>Practice of Fazaian Honour Code -7</i></b>                          |
| 25                                     | <b>(Pages 256-265) Chapter 8: Mathematical Induction and Binomial Theorem,</b> Introduction, Principle of Mathematical Induction, Extended Mathematical Induction, <b>Exercise 8.1</b>   | <b><u>Building confidence by discussion</u></b>                           |
| 26                                     | <b>(Pages 265-284) Chapter 8 (Contd) :</b> Binomial Theorem, <b>Exercise 8.2</b> Binomial Theorem when the Index $n$ is a Negative Application of the Binomial Theorem, <b>Exercise 8.3</b>  | <b><i>Practice of Fazaian Honour Code -8</i></b>                          |
| 27                                     | <b>Revision</b>  | <b><u>Kashmir Day</u></b>   |
| 28                                     | <b>PRE BOARD EXAMINATION (HSSC-I)</b>  |   |
| 29                                     |  |   |
| 30                                     | <b>Revision and Test from Chapter No 1, 2,3</b>  | <b><u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u></b> |
| 31                                     | <b>Revision and Test from Chapter No 4, 5, 6</b>   | <b><i>Practice of Fazaian Honour Code -9</i></b>                          |
| 32                                     | <b>Revision and Test from Chapter No 7, 8, 9</b>   | <b><i>Practice of Fazaian Honour Code -10</i></b>                         |
| 33                                     | <b>Revision and Test from Chapter No 10, 11, 12</b>  | <b><i>Revision of Fazaian Honour</i></b>                                  |
| 34                                     | <b>Revision and Test from Chapter No 13, 14</b>  | <b><i>Revision of Fazaian Honour</i></b>                                  |
| 35                                     | <b>FBISE Past Papers (2013-2015) Solution</b>  | <b><i>Revision of Fazaian Honour</i></b>                                  |
| 36                                     | <b>FBISE Past Papers (2016-2018) Solution</b>  | <b><u>Farewell party</u></b>  |
| 37                                     | <b>PREP LEAVES</b>   |   |
| <b>ANNUAL FBISE EXAM (April, 2019)</b> |  |   |

# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

## PHYSICS: Class-XI

Khyber Pakhtunkhwa Textbook Board, Peshawar

Class XI

| Academic Week | Unit/Chapter & Topic   | Personality Grooming Activities   |
|---------------|--|---|
| 1             | (Pages 1-10) <b>CHAPTER 1: MEASUREMENTS:</b> Physical Quantities, International System of Units, Scientific Notations, Errors and Uncertainties, Rounding off numbers  | <u><b>Orientation Ceremony</b></u>  |
| 2             | (Pages 11-24) <b>Chapter 1 (contd):</b> Precision and Accuracy, Indicating uncertainty, Dimensions, Exercise, Comprehensive Questions and Numerical Problems.  |   |
| 3             | (Pages 25-37) <b>CHAPTER 2: VECTORS AND EQUILIBRIUM:</b> Vectors, Cartesian coordinate system or Rectangular coordinate system, Addition of Vectors, Multiplication of a vector by a number or scalar, Resolution of a vector, Addition of vectors by rectangular components.                            | <u><b>Celebration of Independence Day</b></u>                               |
| 4             | (Pages 37-51) <b>Chapter 2 (contd):</b> Product of Vectors, Torque or moment of force, Equilibrium, Conditions of Equilibrium, Exercise, Comprehensive Questions, Numerical Problems   | <u><b>Discussion on Eid-ul-Azha</b></u>                                     |
| 5             | (Pages 52-63) <b>CHAPTER 3: MOTION AND FORCE:</b> Vector nature of displacement, Velocity, Acceleration, Graphical analysis of Motion, Equations of uniformly accelerated motion, Newton's Laws of motion  | <u>Elections of Students' Council (Extended Break Time on Election day)</u> |
| 6             | (Pages 63-68) <b>Chapter 3 (Contd):</b> Linear momentum, Elastic and inelastic collision, Momentum and explosives forces.  | <u><b>Defence Day Celebration</b></u>                                       |
| 7             | (Pages 69-80) <b>Chapter 3 (Contd):</b> Projectile motion, Exercise, Comprehensive Questions, Numerical Problems   |   |
| 8             | (Pages 81-92) <b>CHAPTER 4: WORK AND ENERGY:</b> Work, Work done in gravitational field, Power, Energy, Implication of energy losses in practical devices and efficiency   | <u><b>Importance of Ashora-e-Moharram</b></u>                               |
| 9             | (Pages 92-99) <b>Chapter 4 (contd):</b> Absolute potential energy, Escape velocity, Inter conversion of potential energy and kinetic energy  |   |
| 10            | (Pages 99-111) <b>Chapter 4 (contd):</b> Conservation of energy, Sources of energy, Exercise, Comprehensive Questions, Numerical Problems  | <u><b>World Teacher's Day</b></u>   |
| 11            | (Pages 112-132) <b>CHAPTER 5: ROTATIONAL AND CIRCULAR MOTION:</b> Angular Displacement, Relation between Linear and Angular displacement, Centripetal Force and Centripetal Acceleration, Torque and Moment of Inertia<br>Angular Momentum and torque, Kinetic Energy of rotation, Artificial Satellites |   |

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| 12 | (Pages 132-145) <b>Chapter 5 (contd):</b> The Orbital Velocity, The Geostationary Orbits, The Real and Apparent Weight, Weightlessness in Satellites and gravity free system, Exercise, Comprehensive Questions, Numerical Problems  | <u>Lecture on Personal Hygiene</u>                               |
| 13 | <b>MID-YEAR REVIEW</b>   |  |
| 14 |  |  |
| 15 | (Pages 146-154) <b>CHAPTER 6: FLUID DYNAMICS:</b> Viscous Drag and Stokes Law, Terminal Velocity, Fluids Flow, Equation of Continuity  | <u>Iqbal Day</u>   |
| 16 | (Pages 154-169) <b>Chapter 6 (contd):</b> Bernoulli's Equation, Exercise, Comprehensive Questions, Numerical Problems  | <u>Peer Coaching</u>   |
| 17 | (Pages 170-183) <b>CHAPTER 7: OSCILLATION,</b> Oscillations, Terminology of oscillatory motion, Simple Harmonic Motion, Circular Motion and Simple Harmonic Motion, Simple Pendulum, Free and Forced Oscillations, Resonance, Wave Form of SHM.  | <u>Importance of Rabi-ul-Awel</u>                                |
| 18 | (Pages 183-191) <b>Chapter 7 (contd):</b> Phase, Damped Oscillations, Sharpness of Resonance, Exercise, Comprehensive Questions, Numerical Problems  | <u>Lecture on First Aid/Fire Fighting</u>                        |
| 19 | <b>SEND-UP EXAMINATION (HSSC)</b>  |  |
| 20 |  |  |
| 21 | (Pages 192-218) <b>CHAPTER 8 : WAVES:</b> Periodic Waves, Progressive Waves, Classification of progressive waves, Speed of Sound, Superposition of waves, Interference of waves, Interference of sound waves, Beats, Reflection of waves and phase change.   | Celebration of Quaid's day                                       |
| 22 | (Pages 218-243) <b>Chapter 8 (contd):</b> Stationary waves, Transverse stationary waves in a stretched string, Fundamentals and overtone vibration, Resonance of air column and organ pipes, Doppler's Effect, Ultrasonic waves Exercise, Comprehensive Questions, Numerical Problems  | <u>Parent - Teacher Meeting and Appraisal of Send Up Results</u> |
| 23 | (Pages 244-267) <b>CHAPTER 9 : PHYSICAL OPTICS:</b> Nature of light, Wave fronts, Huygens Principal, Coherent sources<br>Interference of Light Waves, Young's Double Slit experiment,<br>Interference in thin films, Michelson's Interferometer, Diffraction of lighting, Fraunhofer Diffraction at a single slit, Diffraction grating |  |

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|--------------------------|--|---|
| 24                       | (Pages 267-279) <b>Chapter 9 (contd):</b> The Diffraction of X-rays by crystal, Bragg's law, Polarization of light, Exercise, Comprehensive Questions, Numerical Problems.               |   |
| 25                       | (Pages 280-293) <b>CHAPTER 10: THERMODYNAMICS:</b> Thermal equilibrium, Heat and work, Equivalence of heat and work, Internal energy, Thermodynamic system, First law of thermodynamics. |   |
| 26                       | (Pages 294-302) <b>Chapter 10 (contd) :</b> Molar Specific heats of a gas, Reversible and Irreversible Processes, Heat Engine, Second Law of Thermodynamics.                             | <b><u>Building Confidence by Discussion</u></b>                           |
| 27                       | (Pages 302-314) <b>Chapter 10 (contd):</b> Carnot cycle, Entropy, Exercise, Comprehensive Questions, Numerical Problems.   | <b><u>Kashmir Day</u></b>   |
| 28                       | <b>PRE BOARD EXAM : HSSC I</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 Chapters No 1, 2</b>   |   |
| 33                       | <b>Revision and Test from Chapters No 3, 4, 5</b>  |   |
| 34                       | <b>Revision and Test from Chapters No 6 ,7</b>   |   |
| 35                       | <b>Revision and Test from Chapters No 8,9,10</b>   |   |
| 36                       | <b>Test from Chapters No 1-10</b>  | <b><u>Farewell Party</u></b>  |
| 37                       | <b>PREP LEAVES</b>   |   |
| <b>ANNUAL FBISE EXAM</b> |  |   |

# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

## CHEMISTRY: Class-XI

National Book Foundation, Islamabad

Class XI

| Academic Week | Unit/Chapter & Topic  | Personality Grooming Activities   |
|---------------|---|---|
| 1             | (Pages 6-11) <b>Chapter 1: Stoichiometry</b> Mole, Mole Calculations  | <u><b>Orientation Ceremony</b></u>  |
| 2             | (Pages 12-21) <b>Chapter 1: (cont.):</b> Percentage Composition, Excess and Limiting Reactants, Theoretical Yield, Actual Yield and Percent Yield, <b>Exercise</b>  |   |
| 3             | (Pages 22-39) <b>Chapter 2: Atomic Structure</b> Discharge Tube Experiments, Bohr's Atomic Model and its Applications   | <u><b>Celebration of Independence Day</b></u>                               |
| 4             | (Pages 39-53) <b>Chapter 2: (contd.):</b> Plank's Quantum Theory, X-Rays, Quantum Numbers and Orbitals, Electronic Configuration, <b>Exercise</b>   | <u><b>Discussion on Eid-ul-Azha</b></u>                                     |
| 5             | (Pages 54-71) <b>Chapter 3: Theories of Covalent Bonding and Shapes of Molecules:</b> Shapes of Molecules, Theories of Covalent Bonding   | <u>Elections of Students' Council (Extended Break Time on Election day)</u> |
| 6             | (Pages 71-87) <b>Chapter 3: (cont.):</b> Molecular Orbital Theory, Bond Energy, Effects of Bonding on Properties of Compounds, <b>Exercise</b>  | <u><b>Defence Day Celebration</b></u>                                       |
| 7             | (Pages 88-109) <b>Chapter 4: Gases:</b> KMT of Gases, Absolute Temperature Scale on the Basis of Charles Law, Avogadro's Law, Ideal Gas Equation, Deviation from Ideal Gas Behaviour  |   |
| 8             | (Pages 109-125) <b>Chapter 4: (cont.):</b> Van der Waals Equation, Dalton's Law of Partial Pressure, Graham's Laws, Liquefaction of Gases, Plasma, <b>Exercise</b>  | <u><b>Importance of Ashora-e-Moharram</b></u>                               |
| 9             | (Pages 166-187) <b>Chapter 7: Chemical Equilibrium:</b> Reversible Reactions and Dynamic Equilibrium, Application of the Equilibrium Constant, Factors Affecting Equilibrium and Industrial Application of Lechatelier's Principle. |   |
| 10            | (Pages 187-195) <b>Chapter 7: Chemical Equilibrium (Contd):</b> Solubility Product and Precipitation Reactions, Common Ion Effect, <b>Exercise</b>  | <u><b>World Teacher's Day</b></u>   |
| 11            | (Pages 196-211) <b>Chapter 8: Acids, Bases and Salts:</b> Acidic, Basic and Amphoteric Substances, Bronsted Lowery Concept, Conjugate Acid-Base Pairs, Lewis definitions of Acid and Base.  |   |
| 12            | (Pages 212-221) <b>Chapter 8: (cont.)</b> Buffer solutions and their Applications(Major Concepts), Strengths of Acids and Bases, Lewis Definition of Acid and Base, Buffer Solutions and their Applications, Salt Hydrolysis,       | <u><b>Lecture on Personal Hygiene</b></u>                                   |

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|----------------------|---|---|
|                      | <b>Exercise</b>   |   |
| <b>13</b>            | <b>MID-YEAR REVIEW</b>  |   |
| <b>14</b>            |   |   |
| <b>15</b>            | (Pages 222- 241) <b>Chapter 9: Chemical Kinetics:</b> Chemical Kinetics, Rates of Reactions, Collision Theory, Transition State and Activation Energy   | <b><u>Iqbal Day</u></b>   |
| <b>Academic Week</b> | <b>Unit/Chapter &amp; Topic</b>   | <b>Personality Grooming Activities</b>                                  |
| <b>16</b>            | (Pages 241-247) <b>Chapter 9: (cont.):</b> Catalysis and <b>Exercise</b><br>(Pages 248-264) <b>Chapter 10: Solutions and Colloids:</b> General Properties of Solutions, Concentration Units.                              | <b><u>Peer Coaching</u></b>   |
| <b>17</b>            | (Pages 265-283) <b>Chapter 10: (cont.):</b> Raoult's law, Colligative Properties of Solutions Containing Non-Electrolytes Solutes, Colloids and <b>Exercise</b>   | <b><u>Importance of Rabi-ul-Awe!</u></b>                                |
| <b>18</b>            | <b>Revision</b>   | <b><u>Lecture on First Aid/Fire Fighting</u></b>                        |
| <b>19</b>            | <b>SEND-UP EXAMINATION (HSSC)</b>   |   |
| <b>20</b>            |   |   |
| <b>21</b>            | (Pages 126-132) <b>Chapter 5: Liquids:</b> KMT of Liquids, Van der Waals Forces   | <b><u>Celebration of Quaid's day</u></b>                                |
| <b>22</b>            | (Pages 132-145) <b>Chapter 5: (cont.) Liquids</b> Physical Properties of Liquids, Energetics of Phase Changes, <b>Exercise</b>  | <b><u>Parent - Teacher Meeting and Appraisal of Send Up Results</u></b> |
| <b>23</b>            | (Pages 146-165) <b>Chapter 6: Solids:</b> KMT of Solids, Types of Solids, Properties of Crystalline Solids, Crystal Lattice ,Lattice Energy, <b>Exercise</b>  |   |
| <b>24</b>            | (Pages 284-301) <b>Chapter 11: Thermochemistry:</b> Energy in Chemical Reactions, Thermodynamics, Internal Energy, First Law of Thermodynamics, Standard States and Standard Enthalpy Changes, Heat Capacity, Calorimetry |   |
| <b>25</b>            | (Pages 301-311) <b>Chapter 11: (cont.):</b> Hess's Law, Born Haber Cycle and <b>Exercise</b><br>(Pages 312-322) <b>Chapter 12: Electrochemistry:</b> Oxidation-Reduction Concepts   |   |
| <b>26</b>            | (Pages 322-344) <b>Chapter 12: (cont.):</b> Electrode, Electrode Potential and Electrochemical Series, Types of Electrochemical Cells and <b>Exercise</b> ,<br>(Pages 345-357) Glossary                                   | <b><u>Building Confidence by Discussion</u></b>                         |

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|--------------------------|---|--|
| 27                       | Revision  | <u>Kashmir Day</u>   |
| 28                       | PRE BOARD EXAM : HSSC                           |  |
| 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 1, 2, 3, 4    |  |
| 34                       | Revision and Test from Chapter No 5, 6, 7, 8    |  |
| 35                       | Revision and Test from Chapter No 9, 10, 11, 12 |  |
| 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

## BIOLOGY: Class-XI

National Book Foundation, Islamabad

Class XI

| Academic Week | Unit/Chapter & Topic   | Personality Grooming Activities   |
|---------------|--|---|
| 1             | (Pages 6-16) <b>Chapter 1 Cell Structure and Functions:</b> Techniques used in Cell Biology, Cell wall and Plasma Membrane, Roles of Glycolipids, Regulation of Cell Interaction   | <u><b>Orientation Ceremony</b></u>  |
| 2             | (Pages 16-31) <b>Chapter 1 (Cont):</b> Cytoplasm and Organelles  |   |
| 3             | (Pages 31- 37) <b>Chapter 1 (Cont):</b> Prokaryotic and Eukaryotic Cells, Exercise<br>(Pages 38-47) <b>Chapter 2 Biological Molecules:</b> Biological Molecules in Protoplasm, Importance of Water, Carbohydrates (Laboratory Manufactured Sweeteners) | <u><b>Celebration of Independence Day</b></u>                               |
| 4             | (Pages 47-60) <b>Chapter 2 (Cont):</b> Carbohydrates (Oligosaccharides), Proteins, Lipids  | <u><b>Discussion on Eid-ul-Azha</b></u>                                     |
| 5             | (Pages 60- 71) <b>Chapter 2 (Cont):</b> Nucleic Acid, Conjugated Molecules, Exercise   | <u>Elections of Students' Council (Extended Break Time on Election day)</u> |
| 6             | (Pages 72- 89) <b>Chapter 3 Enzymes:</b> Structure of Enzymes, Mechanism of Enzyme Action, Factors Affecting the Rate of Enzymatic Action, Enzyme Inhibition, Classification of Enzymes, Exercise  | <u><b>Defence Day Celebration</b></u>                                       |
| 7             | (Pages 90-120) <b>Chapter 4 Bioenergetics:</b> Photosynthesis, Cellular Respiration, Photorespiration, Exercise  |   |
| 8             | (Pages 184-196) <b>Chapter 8 Diversity among Plants:</b> The Evolutionary Origin of Plants, Nonvascular Plants, Seedless Vascular Plants   | <u><b>Importance of Ashora-e-Moharram</b></u>                               |
| 9             | (Pages 196 -205) <b>Chapter 8 (Cont):</b> Seed Plants, Evolution of Seeds, Gymnosperms, Angiosperms, Life Cycle of Flowering Plant, Significance of Angiosperms to Humans, Exercise  |   |
| 10            | (Pages 206- 218) <b>Chapter 9 Diversity among Animals:</b> Characteristics of Animals, Criteria for Animal Classification, Diversity in Animals (Phylum Annelida)  | <u><b>World Teacher's Day</b></u>   |
| 11            | (Pages 218- 236) <b>Chapter 9 (Cont):</b> Diversity in Animals (Phylum Arthropoda), Invertebrates, Chordates, Exercise   |   |
| 12            | (Pages 238-252) <b>Chapter 10 Form and Functions in Plants:</b> Nutrition in Plants, Gaseous Exchange in Plants, Transport in Plants   | <u><b>Lecture on Personal Hygiene</b></u>                                   |

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|----|---|---|
| 13 | <b>MID-YEAR REVIEW</b>  |   |
| 14 |   |   |
| 15 | (Pages 252-269) <b>Chapter 10 (Cont):</b> Homeostasis in Plants, Support in Plants, Growth and Development in Plants, Growth Responses in Plants, Exercise  | <u><b>Iqbal Day</b></u>   |
| 16 | (Pages 270-280) <b>Chapter 11 Digestion:</b> Digestive System of Man (Alimentary Canal: Structure and Functional Details)   | <u><b>Peer Coaching</b></u>   |
| 17 | (Pages 280-287) <b>Chapter 11(Cont):</b> Digestive System of Man Role of Accessory Glands, Exercise   | <u>Importance of Rabi-ul-Awel</u>                                       |
| 18 | <b>Revision</b>   | <u><b>Lecture on First Aid/Fire Flight</b></u>                          |
| 19 | <b>SEND-UP EXAMINATION (HSSC)</b>   |   |
| 20 |   |   |
| 21 | (Pages 122-139) <b>Chapter 5 Acellular Life:</b> Viruses: Discovery and Structure, Parasitic Nature of Virus, Life Cycle of Bacteriophage, Life Cycle of Human Immunodeficiency Virus (HIV), Viral Diseases, Prions and Viroids, Exercise   | Celebration of Quaid's day  |
| 22 | (Pages 140-15163) <b>Chapter 6 Prokaryotes:</b> Taxonomy of Prokaryotes, Archaea, Bacteria, Structure; Shape and Size of Bacteria, Modes of Nutrition in Bacteria, Growth and Reproduction in Bacteria, Importance of Bacteria, The Bacterial Flora of Human, Control of Harmful Bacteria, Exercise | <u><b>Parent - Teacher Meeting and Appraisal of Send Up Results</b></u> |
| 23 | (Pages 164-183) <b>Chapter 7 Protists and Fungi:</b> Protists- The Evolutionary Relationships, Major groups of Protists, General characteristics of Fungi, Diversity among Fungi, Importance of Fungi and Exercise.   |   |
| 24 | (Pages 288-303) <b>Chapter 12: Circulation:</b> Blood Circulatory System of Man, Blood Vessels, Blood Pressure and its Measurement  |   |
| 25 | (Pages 303-315) <b>Chapter 12 (Cont):</b> Cardiovascular Disorders, Lymphatic System of Man, Exercise   |   |
| 26 | (Pages 316-335) <b>Chapter 13 Immunity:</b> First Line of Defence, Second Line of Defence, Third Line of Defence, Exercise  | <u><b>Building Confidence by Discussion</b></u>                         |
| 27 | <b>Revision</b>   | <u><b>Kashmir Day</b></u>   |
| 28 | <b>PRE BOARD EXAM : HSSC</b>  |   |
| 29 |   |   |

|                          |  |   |
|--------------------------|--|---|
| 30                       | Revision and Test from Chapter No 1, 2, 3, | <u>Parent - Teacher Meeting<br/>and Appraisal of Pre-<br/>Board results</u> |
| 31                       | Revision and Test from Chapter No 4, 5     |   |
| 32                       | Revision and Test from Chapter No 6, 7     |   |
| 33                       | Revision and Test from Chapter No 8,9      |   |
| 34                       | Revision and Test from Chapter No 10, 11   |   |
| 35                       | Revision and Test from Chapter No 12, 13   |   |
| 36                       | FBISE Past Papers (2013-2018) Solution     | <u>Farewell Party</u>   |
| 37                       | <b>PREP LEAVES</b>                         |   |
| <b>ANNUAL FBISE EXAM</b> |  |   |

# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19

## COMPUTER SCIENCE: Class-XI

A Text Book of Computer Science

National Book Foundation, Islamabad (Edition 2017)

Class XI

| Academic Week | Unit/Chapter & Topic   | Personality Grooming Activities   |
|---------------|--|---|
| 1             | (Pages 8-18) <b>Chapter 1: Overview of Computer System</b> , Introduction to Computers, Basic Operations of Computer, Classification of Digital Computers, Modern Use of Computers, Computer Hardware & Software and Types of Computer Software. | <u><b>Orientation Ceremony</b></u>  |
| 2             | (Pages 18-27) <b>Chapter 1: Computer Hardware</b> , Input Output Devices. Key Points, <b>Lab Activity:</b> Recognition of component in System Unit   |   |
| 3             | (Pages 28-35) <b>Chapter 2: Computer Memory</b> , Introduction to Computer Memory, Memory Built-up and Retention power, Volatile and Non-Volatile Memory, Types of Computer Memory, Main Memory, Types of Main Memory, RAM and ROM               | <u><b>Celebration of Independence Day</b></u>                               |
| 4             | (Pages 35-41) <b>Chapter 2 (contd):</b> Secondary Memory, Secondary Storage Device, Sequential and Direct Access Memory, Types of Secondary Storage Devices, Key Points, Exercise and Lab activities.  | <u><b>Discussion on Eid-ul-Azha</b></u>                                     |
| 5             | (Pages 42-47) <b>Chapter 3: Central Processing Unit</b> , Introduction, Inside CPU, Components of CPU, Registers and Buses   | <u>Elections of Students' Council (Extended Break Time on Election day)</u> |
| 6             | (Pages 47-55) <b>Chapter 3 (contd):</b> CPU Operations, Instructions, Instruction Formats, Instruction Cycle, CISC and RISC Architecture, Intel and AMD Processors. Key Points, Exercise and Lab activities.                                     | <u><b>Defence Day Celebration</b></u>                                       |
| 7             | (Pages 56-60) <b>Chapter 4: Inside System Unit</b> , Introduction, Computer Casing and System Unit, CPU and System Unit, Computer Casings,   |   |
| 8             | (Pages 60-64) <b>Chapter 4 (contd):</b> Ports, Expansion Cards and Memory Chips, Ports and Their Types and Types of Expansion Cards  | <u><b>Importance of Ashora-e-Moharram</b></u>                               |
| 9             | (Pages 64-67) <b>Chapter 4 (contd):</b> Memory Chips. Key Points, Exercise and Lab activities.   |   |
| 10            | (Pages 68-76) <b>Chapter 5: Network Communication and Protocols</b> , Introduction, Network Communication, Basic Network Communication Components, Modes of Network Communication, Communication Media, Communication Devices                    | <u><b>World Teacher's Day</b></u>   |

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| 11 | (Pages 76-83) <b>Chapter 5</b> : Network Architecture, Types of Networks, Network Topologies, Data Communication Standards, Purpose of Communication Standards, OSI Model and Protocols and Devices Used at Various Layers of OSI Model.<br><b>Lab Activity:</b> Resource Sharing (Hardware and Software using networking) |  |
| 12 | (Pages 83-91) <b>Chapter 5:</b> TCP/IP, TCP/IP Protocol, TCP/IP and OSI Model Comparison, Circuit Switching and Packet Switching Networks, IP Addressing Schemes. Key Points, Exercise and Lab activities.   | <u>Lecture on Personal Hygiene</u>                               |
| 13 | <b>MID-YEAR REVIEW</b>   |  |
| 14 |  |  |
| 15 | (Pages 92-96) <b>Chapter 6: Wireless Communications:</b> Introduction, Wireless Networks, Advantages and Disadvantages of Wireless Networks, Wireless Network Terminology, Short and Long Distance Wireless Communications.  | <u>Iqbal Day</u>   |
| 16 | (Pages 96-100) <b>Chapter 6:</b> Short Distance Wireless Communication, Wi-Fi, Wi-Max, BLUETOOTH, INFRA-RED, Long Distance Wireless Communication, Cellular Communication, Global Positioning System, Mobile Device Communication  | <u>Peer Coaching</u>   |
| 17 | (Pages 100-105) <b>Chapter 6:</b> Features and Limitations of Mobile Communication Systems, Architecture for Communication Over Mobile Devices. Key Points, Exercise and Lab activities.   | <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 106-114) <b>Chapter 7: Database Fundamentals,</b> Introduction to Database, Data and Information, File Management System, Database, Database Management System, Database Models, Database Languages and Basic database Terminologies.   | <u>Celebration of Quaid's day</u>                                |
| 22 | (Pages 115-125) <b>Chapter 7 (contd):</b> Planning Database, Data Modelling and Entity – Relationship Diagram, Data modelling, Entity – Relationship Diagram, ER Diagram Examples, Library Management System, Student Management System and Ticket Booking System.   | <u>Parent – Teacher Meeting and Appraisal of Send Up Results</u> |
| 23 | (Pages 125-133) <b>Chapter 7 (contd):</b> Relational Schema, Transform E-R Diagram to Relational Schema, and Normalization of relational Database. Key Points, Exercise and Lab activities.  |  |

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|--------------------------------|---|---|
| 24                             | (Pages 134-144) <b>Chapter 8: Database Development</b> , Introduction, Various Types of DBMS, Selecting a Suitable DBMS, Creating and Saving an Access database, Database Objects, Working With Tables, Creating, Saving and Editing a Table, Data types in Access and Creating Primary Key and Foreign Key. <b>Lab Activity:</b> Design and develop a database containing: Tables (3 to 5), Queries (4 to 6), Forms (up to 10) and Reports (5 to 10) |   |
| 25                             | (Pages 144-161) <b>Chapter 8:</b> Creating and Editing Relationship between Tables, Navigating, Adding, modifying and Deleting Records, Working with Forms, Creating, Saving and Editing Forms, Navigating Through Records In a Form Using Form to Add, Modify and Delete Record, Working with Queries and Commands   |   |
| 26                             | (Pages 161-172) <b>Chapter 8:</b> Generating Reports, Creating a Simple Report, Creating a Report Using a Query, Viewing and Printing Report. Exercise and Lab activities.  | <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 from Chapter No 1, 2</b><br>Lab Activity: Design and develop Student Information System  | <b><u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u></b> |
| 31                             | <b>Revision and Test from Chapter No 3, 4</b><br>Lab Activity: Design and develop Student Information System  |   |
| 32                             | <b>Revision and Test from Chapter No 5, 6</b><br>Lab Activity: Design and develop Student Information System  |   |
| 33                             | <b>Revision and Test from Chapter No 7, 8</b><br>Lab Activity: Design and develop Student Information System  |   |
| 34                             | <b>Revision and Test from Chapter No 1-4</b><br>Lab Activity: Design and develop Student Information System   |   |
| 35                             | <b>Revision and Test from Chapter No 5-8</b>  |   |
| 36                             | <b>FBISE PAPER 2018</b>   | <b><u>Farewell Party</u></b>  |
| 37                             | <b>PREP LEAVES</b>  |   |
| <b>ANNUAL FBISE EXAM -2019</b> |   |   |

**WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19**  
**CLASS-XI (HSSC-I)**

مضمون: اسلامیات لازمی

نیشنل بک فاؤنڈیشن

جماعت: گیارہویں

| Personality Grooming Activities  | Unit/Chapter & Topic  | Academic Week |
|--|---|---------------|
| <u>Orientation Ceremony</u>  | <b>Ice-Breaking at the Session Commencement</b><br>[Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]<br>باب اول: بنیادی عقائد<br>توحید (صفحہ نمبر ۱۲ تا ۱۳) | 1             |
|  | توحید (جاری) (صفحہ نمبر ۱۲ تا ۱۸)   | 2             |
| <u>Celebration of Independence day</u>   | رسالت (صفحہ نمبر ۱۸ تا ۲۷)<br>ملائکہ (صفحہ نمبر ۲۷)   | 3             |
| <u>Discussion on Eid-ul-Azha</u>   | آسانی کتابیں (صفحہ نمبر ۲۸ تا ۳۱)<br>آخرت (صفحہ نمبر ۳۲ تا ۳۷)  | 4             |
| <u>Elections of Students' Council</u><br>(Extended Break Time on Election day) | باب دوم: اسلامی تشخص<br>ارکانِ اسلام، کلمہ شہادت نماز (صفحہ نمبر ۳۸ تا ۴۳)  | 5             |
| <u>Defence day celebration</u>   | ارکانِ اسلام، روزہ (صفحہ نمبر ۴۳ تا ۴۷)   | 6             |
|  | زکوٰۃ (صفحہ نمبر ۴۷ تا ۵۲)<br>حج (صفحہ نمبر ۵۲ تا ۵۶)   | 7             |
| <u>Importance of Ashora-e-Muharram</u>   | جہاد (صفحہ نمبر ۵۶ تا ۶۰)   | 8             |
| <u>Motivational talk on religious tolerance</u>                                | اللہ تعالیٰ اور رسول ﷺ کی محبت و اطاعت (صفحہ نمبر ۶۱ تا ۶۲)<br>حقوق العباد (صفحہ نمبر ۶۳ تا ۷۱)   | 9             |
| <u>World Teacher's Day</u>   | (۱) معاشرتی ذمہ داریاں<br>محاسن اخلاق (صفحہ نمبر ۷۱ تا ۸۰)  | 10            |
|  | (ب) رذائل اخلاق (صفحہ نمبر ۸۰ تا ۸۶)  | 11            |
| <u>Lecture on Personal Hygiene</u>   | Revision  | 12            |

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|---|--|-----------|
|   | <b>MID-YEAR REVIEW</b>   | <b>13</b> |
|   |  | <b>14</b> |
| <b><u>Iqbal Day</u></b>   | باب سوم: اسوۂ رسول اکرم ﷺ<br>رَحْمَةُ الْعَالَمِينَ<br>أَخْوَاتُ<br>(صفحہ نمبر ۸۷ تا ۹۰)<br>(صفحہ نمبر ۹۰ تا ۹۱) | <b>15</b> |
| <b><u>Peer Coaching</u></b>   | تعارف قرآن و حدیث<br>باب چہارم:<br>تعارف قرآن<br>(صفحہ نمبر ۱۰۰ تا ۱۱۲)  | <b>16</b> |
| <b><u>Guest Speaker</u></b>   | تعارف حدیث<br>(صفحہ نمبر ۱۱۳ تا ۱۱۹)   | <b>17</b> |
| <b><u>Lecture on First Aid/Fire Fighting</u></b>                          | <b>Revision</b>  | <b>18</b> |
|   | <b>SEND-UP EXAMINATION (HSSC)</b>  | <b>19</b> |
|   |  | <b>20</b> |
| <b><u>Celebration of Quaid's Day</u></b>                                  | منتخب آیات ۶ تا ۱۱<br>(صفحہ نمبر ۱۱۹ تا ۱۲۲)   | <b>21</b> |
| <b><u>Parent - Teacher Meeting and Appraisal of Send Up Results</u></b>   | منتخب آیات ۷ تا ۱۲<br>(صفحہ نمبر ۱۲۲ تا ۱۲۴)   | <b>22</b> |
|   | منتخب احادیث ۶ تا ۱۱<br>(صفحہ نمبر ۱۲۵)  | <b>23</b> |
|   | منتخب احادیث ۷ تا ۱۲<br>(صفحہ نمبر ۱۲۶ تا ۱۲۷)   | <b>24</b> |
|   | مساوات<br>صبر و استقلال<br>(صفحہ نمبر ۹۲ تا ۹۳)<br>(صفحہ نمبر ۹۳ تا ۹۵)  | <b>25</b> |
| <b><u>Building confidence by discussion</u></b>                           | عفو و درگزر<br>ذکر<br>(صفحہ نمبر ۹۵ تا ۹۶)<br>(صفحہ نمبر ۹۶ تا ۹۹)   | <b>26</b> |
| <b><u>Kashmir Day</u></b>   | <b>Revision</b>  | <b>27</b> |
|   | <b>PRE BOARD EXAM : HSSC ( I &amp; II)</b>   | <b>28</b> |
|   |  | <b>29</b> |
| <b><u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u></b> | <b>Revision and Test</b>   | <b>30</b> |



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|--------------------------|--|-----------|
|                          | <b>Revision and Test</b>   | <b>31</b> |
|                          | <p style="text-align: center;">اسباق کا اعادہ باب اول: بنیادی عقائد</p> <p style="text-align: center;">امتحانی پرچے کا طریقہ کار اور ماڈل پیپر زکی وضاحت، دہرائی، FBISE کے 2017, 2018، 2016، 2015، 2014ء تک کے پرچہ جات میں موجود سوالوں کے جوابات</p>     | <b>32</b> |
|                          | <p style="text-align: center;">اسباق کا اعادہ باب دوم: اسلامی تشخص</p> <p style="text-align: center;">امتحانی پرچے کا طریقہ کار اور ماڈل پیپر زکی وضاحت، دہرائی، FBISE کے 2017, 2018، 2016، 2015، 2014ء تک کے پرچہ جات میں موجود سوالوں کے جوابات</p>      | <b>33</b> |
|                          | <p style="text-align: center;">اسباق کا اعادہ باب سوم: اسوۂ رسول اکرم ﷺ</p> <p style="text-align: center;">امتحانی پرچے کا طریقہ کار اور ماڈل پیپر زکی وضاحت، دہرائی، FBISE کے 2017, 2018، 2016، 2015، 2014ء تک کے پرچہ جات میں موجود سوالوں کے جوابات</p> | <b>34</b> |
|                          | <p style="text-align: center;">اسباق کا اعادہ باب چہارم: تعارف قرآن</p> <p style="text-align: center;">امتحانی پرچے کا طریقہ کار اور ماڈل پیپر زکی وضاحت، دہرائی، FBISE کے 2017, 2018، 2016، 2015، 2014ء تک کے پرچہ جات میں موجود سوالوں کے جوابات</p>     | <b>35</b> |
| Farewell party           | <p style="text-align: center;">اسباق کا اعادہ باب چہارم: تعارف حدیث</p> <p style="text-align: center;">امتحانی پرچے کا طریقہ کار اور ماڈل پیپر زکی وضاحت، دہرائی، FBISE کے 2017, 2018، 2016، 2015، 2014ء تک کے پرچہ جات میں موجود سوالوں کے جوابات</p>     | <b>36</b> |
|                          | <b>PREP LEAVES</b>   | <b>37</b> |
| <b>ANNUAL FBISE EXAM</b> |  |           |