



WEEKLY SYLLABI BREAKDOWN

Academic Session: 2019-20
Classes HSSC - I

Fazaia Teachers' Training Institute
PAF Complex, E-9, Islamabad
April, 2019

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WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

ENGLISH: Class-XI

Khyber Pakhtunkhwa Textbook Board Peshawar

Class XI

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|--|--|
| 1 | <p>Ice-Breaking at the Session Commencement <i>[Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]</i></p> <p>(Page11) Unit-1: First Attempts and Challenges (Pages 12-25) Unit-1.1: His First Flight (Reading Comprehension, New Vocabulary, Study Questions, Grammar Note and Exercises) Grammar: parts of speech ,Noun, Pronoun</p> | <u>Orientation Ceremony</u> |
| 2 | <p>(Pages 26-32) Unit 1.2: First Year at Harrow (Reading Comprehension, New Vocabulary, Study Questions and Exercises) Grammar: Adjectives, Adverbs</p> | <u>Discussion on Eid-ul-Azha</u> |
| 3 | <p>(Pages 33-38) Unit 1.3: September, the First Day Of School (Reading Comprehension, New Vocabulary, Study Questions and Exercises) Grammar: Adjectives, Adverbs</p> | <u>Celebration of Independence Day</u> |
| 4 | <p>(Pages 39-44) Unit 2: Environment Nature Unit 2.1 It's Country for Me (Reading Comprehension)</p> | <u>Practice of Fazaian Honour Code -1</u> |
| 5 | <p>(Pages 44-53) Unit 2.1(contd.): New Vocabulary and Exercises</p> | <u>Elections of Students' Council (Extended Break Time on Election day)</u> |
| 6 | <p>(Pages 54-59) Unit 2.2: Our Environment (Reading Comprehension, New Vocabulary, Study Questions and Exercises) Composition: Letter Writing</p> | <u>Defence Day Celebration</u> |
| 7 | <p>(Pages 60-64) Unit 2.3: Tears Of Nature (Reading Comprehension, New Vocabulary, Study Questions and Exercises) (Page 65) Unit 3: Changing Attitudes Grammar: Infinitive, Gerund and Participle</p> | <u>Importance of Ashora-e-Moharram</u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|----------------------|---|--|
| 8 | (Pages 66-71) Unit 3.1: The Blanket (Reading Comprehension, New Vocabulary, Study Questions and Exercises) Grammar: Correct Use of Verb | <i>Practice of Fazaian Honour Code -2</i> |
| 9 | (Pages 72-78) Unit 3.2: The Way it Was and Is (Reading Comprehension, New Vocabulary, Study Questions and Exercises) Grammar: Direct and Indirect Object, Change of Narration | |
| 10 | (Pages 79-84) Unit 3.3: The Most Beautiful Flower (Reading Comprehension, New Vocabulary, Study Questions and Exercises) Grammar: Kinds of Conjunction, Kinds of Preposition | <u>World Teacher's Day</u> |
| 11 | (Page 163) Unit 8: True Friendship (One Act Play) (Pages 164-170) Damon and Pythias (Reading Comprehension) Dialogue Writing | <i>Practice of Fazaian Honour Code -3</i> |
| 12 | (Pages 170-182) Damon and Pythias (Contd): (One Act Play) Reading, Explanation, Exercises and Reading Drama/Plays Translation: Urdu to English | |
| 13 | MID-YEAR REVIEW | |
| 14 | | |
| 15 | (Page 85) Unit 4: Acquiring Values (Introduction) (Pages 86-95) Unit 4.1: The Scholarship Jacket (Reading Comprehension, New Vocabulary, Study Questions and Exercises) Grammar : Interjection, Correct Use of Verbs | <u>Celebration of Iqbal's Day</u> |
| 16 | (Pages 96-100) Unit 4.2: A Long Walk Home (Reading Comprehension, New Vocabulary, Study Questions and Exercises) Composition: Paragraph Writing | <i>Practice of Fazaian Honour Code -4</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|----------------------|---|---|
| 17 | (Pages 101-106) Unit 4.3: Be the Best of Whatever You Are (Reading Comprehension, New Vocabulary, Study Questions and Exercises) Grammar: Kinds of Sentences, Phrasal Verbs (A – F) | <u>Importance of Rabi-ul-Awal</u> |
| 18 | Revision | <i>Practice of Fazaian Honour Code -5</i> |
| 19 | SEND-UP EXAMINATION (HSSC) | |
| 20 | | |
| 21 | (Page107) Unit -5: The Lighter Side (Pages 108-116) Unit 5.1: Fly Away (Reading Comprehension, New Vocabulary, Study Questions and Exercises) Grammar: Phrasal Verbs (G-J), Pair of Words | <u>National Resolve Day to Promote Education</u> |
| 22 | (Pages 117-123) Unit 5.2: The Man Who Was A Hospital (Reading Comprehension, New Vocabulary, Study Questions and Exercises) Grammar: Change of Voice | <u>Celebration of Quaid's Day</u> |
| 23 | (Pages 124-129) Unit 5.4: When I'm an Old Lady (Reading Comprehension, New Vocabulary, Study Questions and Exercises) Grammar: Phrasal Verbs (K-L), Pair of Words | <i>Practice of Fazaian Honour Code -6</i> |
| 24 | (Page 130) Unit 6 : Learning to Communicate (Pages 131-135) Unit 6.1: Finding a Job (Reading Comprehension, Study Questions and Exercises) (Pages 136-140) Unit 6.2: A Stressful Job (Reading Comprehension, Study Questions and Exercises) Grammar: Punctuation, Translation, Correction of Incorrect Sentences, Phrasal Verbs (M-P) | <i>Practice of Fazaian Honour Code -7</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|--------------------------|--|--|
| 25 | (Pages 141-155) Unit 6.3: Writing Letters (Advertisements and Job Applications, CV and Resume Job Application or Cover Letter, Rules for Writing Formal Letters in English, Abbreviations used in Letter Writing) Grammar: Clauses and Phrases, Phrasal Verbs (Q-T) | <i>Practice of Fazaian Honour Code -8</i> |
| 26 | (Page 156) Unit 7 : Visiting the Dentist (Pages 157-162) Unit 7.1: Making an appointment Unit 7.2: At the Dental Reception Unit 7.3: Dental Check-up Unit 7.4: Dental Hygiene (Reading Comprehension and Exercises) Grammar: Change of Narration, Phrasal Verbs (U-Z) | <i>Practice of Fazaian Honour Code -9</i> |
| 27 | Revision of Damon and Pythias (One Act Play) and all parts of speech | <u><i>Kashmir Day</i></u> |
| 28 | Revision | <i>Practice of Fazaian Honour Code -10</i> |
| 29- 30 | PRE BOARD EXAM : HSSC | |
| 31 | Revision and Test | <u><i>Parent - Teacher Meeting and Appraisal of Pre-Board results</i></u> |
| 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 (Last five years) Solution | |
| 37 | PREP LEAVES | <u><i>Farewell Party</i></u> |
| ANNUAL FBISE EXAM | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

مضمون : اُردو

اردو لازمی (خیبر)

جماعت : گیارہویں
پختونخوا ٹیکسٹ بک بورڈ (

| Personality Grooming Activities | Unit/Chapter & Topic | Academic Week |
|--|--|---------------|
| <u>Orientation Ceremony</u> | Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling] حصہ نثر: اپنی مدد آپ ، مشقی سوالات (MCQs) مختصر سوالات و جوابات) | 1 |
| <u>Discussion on Eid-ul-Azha</u> Read Surat "Al-Rehman" from the Holy Quran and write down any five attributes of Allah. | حصہ نثر: جھوٹے آدمی ، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم: حمد ، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: مرکب مصادر کو بطور معاون افعال استعمال کرنا | 2 |
| <u>Celebration of Independence Day</u> Arrange Na'at competition in the class | حصہ نثر: نظریہ پاکستان ، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم: نعت ، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: اصناف سخن کی تعریف اور پہچان | 3 |
| Group discussion on پاکستانی قومیت کا مسئلہ <u>Practice of Fazaian Honour Code -1</u> | حصہ نثر: پاکستانی قومیت کا مسئلہ ، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ غزل: فقیرانہ آئے صدا کر چلے ، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: متعلق فعل کی تعریف و استعمال سے آگاہی | 4 |
| <u>Elections of Students' Council (Extended Break Time on Election day)</u> | حصہ نثر: کچھ ادب کے بارے میں ، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم: شہر آشوب ، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: علم بیان ، بدیع اور صنعتوں کی تعریف | 5 |
| <u>Defence Day Celebration</u> | حصہ نثر: لمحہ ء فکریہ ، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم: شہزادے کا چہت پر سونا اور (مثنوی) ، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: خط (تخلیقی لکھائی) | 6 |

| Personality Grooming Activities | Unit/Chapter & Topic | Academic Week |
|---|---|---------------|
| Importance of Ashora-e-Moharram | حصہ نثر: داروغہ جی کی پانچوں گہی میں اور سرکڑا ہی میں، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: اشتقاق، مشتقات، و صفی اور لغوی معنی، مجازی معنی، سلینگ، بول چال اور اصطلاحی معنوں کے حوالے سے لغت کا استعمال | 7 |
| Practice of Fazaian Honour Code -2 | حصہ نثر: آنگن، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: تلخیص (تخلیقی لکھائی) | 8 |
| . | حصہ نظم: ڈر مراد (مرثیہ)، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ غزل: پیری میں کیا جوانی کے موسم کو روئیے، مشقی سوالات (MCQs) مختصر سوالات و جوابات) | 9 |
| World Teacher's Day | حصہ نظم: تختِ فرس پہ علیٰ اکبر کا خطاب (مرثیہ)، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: درخواست (تخلیقی لکھائی) | 10 |
| Practice of Fazaian Honour Code -3 | حصہ نثر: خوب صورت بلا، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم: اُمید (مسدس)، مشقی سوالات (MCQs) مختصر سوالات و جوابات) | 11 |
| Lecture on Personal Hygiene | حصہ نظم: نصیحت اخلاقی، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: روداد (تخلیقی لکھائی)، (دہرائی) مرکب مصادر کو بطور معاون افعال استعمال کرنا | 12 |
| | MID-YEAR REVIEW | 13 |
| | | 14 |
| Celebration of Iqbal Day | حصہ غزل: قتل عاشق کسی معشوق سے کچھ دور نہ تھا، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: (دہرائی) اصناف سخن کی تعریف اور پہچان | 15 |
| Peer Coaching Speech competition: Arrange a speech competition in the topic "Importance of تعلیم بالغاں in Pakistan. | حصہ نثر: تعلیم بالغاں، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم: جلوہ سحر، مشقی سوالات (MCQs) مختصر سوالات و جوابات) قواعد: (دہرائی) متعلق فعل کی تعریف و استعمال سے آگاہی | 16 |

| Personality Grooming Activities | Unit/Chapter & Topic | Academic Week |
|--|--|---------------|
| Importance of Rabi-ul-Awal Practice of Fazaian Honour Code -4 | حصہ غزل: ناگہ چمن میں جب وہ گل اندام آگیا، مشقی سوالات (MCQs) مختصر سوالات و جوابات قواعد: مکالمہ (تخلیقی لکھائی) ، علم بیان، بدیع اور صنعتوں کی تعریف (دہرائی) | 17 |
| Lecture on First Aid/Fire Fighting Practice of Fazaian Honour Code 54 | Revision | 18 |
| | SEND-UP EXAMINATION (HSSC) | 19 |
| | | 20 |
| National Resolve Day to Promote Education Practice of Fazaian Honour Code -6 | حصہ نثر: شیراز اور کنار آب رکنا با دو غیرہ، مشقی سوالات (MCQs) مختصر سوالات و جوابات قواعد: مکالمہ (تخلیقی لکھائی) | 21 |
| Celebration of Quaid's day Project: Write down your own "Travelogue" about the place you visited. | حصہ نثر: روم۔ زندہ شہر اور مردہ شہر، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ نظم: پرانا کوٹ، مشقی سوالات (MCQs) مختصر سوالات و جوابات | 22 |
| Parent - Teacher Meeting and Appraisal of Send Up Results | حصہ نثر: لالچی وزیر (ترجمہ) ، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ نظم: یہ سڑکیں، مشقی سوالات (MCQs) مختصر سوالات و جوابات | 23 |
| Practice of Fazaian Honour Code 7 | حصہ نثر: مکاتیب (ا) مرزا غالب، مشقی سوالات (MCQs) مختصر سوالات و جوابات (ب) علامہ اقبال، مشقی سوالات (MCQs) مختصر سوالات و جوابات | 24 |
| Practice of Fazaian Honour Code -8 | حصہ غزل: دائم پڑا ہو اترے در پر نہیں ہوں میں، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ غزل: ہزاروں خوابیں ایسی کہ ہر خوابش پہ دم نکلے، مشقی سوالات (MCQs) مختصر سوالات و جوابات | 25 |
| Building Confidence by Discussion Practice of Fazaian Honour Code -9 | حصہ نظم: قطعات ، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: روداد (تخلیقی لکھائی) ، صنائع بدائع کے لحاظ سے غلط فقرات کی درستی | 26 |
| Kashmir Day | حصہ نظم: اخلاص، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ غزل: آئینہ اپنی نظر سے نہ جدا ہونے دو، مشقی سوالات (MCQs) مختصر سوالات و جوابات | 27 |
| Practice of Fazaian | Revision | 28 |

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|----------------|--|
| Honour Code 10 | |
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| Personality Grooming Activities | Unit/Chapter & Topic | Academic Week |
|--|--|---------------|
| | PRE BOARD EXAM : HSSC (I & II) | 29 |
| | | 30 |
| Parent - Teacher Meeting and Appraisal of Pre-Board results | سبق نمبر ۴-۱، نظم نمبر ۳-۱، غزل نمبر ۲-۱، اور گرائمر: صنائع بدائع کے لحاظ سے غلط فقرات کی درستی، مرکب مصادر کو بطور معاون افعال استعمال کرنا، تلخیص کی دہرائی اور ٹیسٹ | 31 |
| | سبق نمبر ۸-۵، نظم نمبر ۶-۴، غزل نمبر ۴-۳ اور گرائمر روداد، مکالمہ، متعلق فعل کی تعریف و استعمال سے آگاہی کی دہرائی اور ٹیسٹ | 32 |
| | سبق نمبر ۱۲-۹، نظم نمبر ۹-۷، غزل نمبر ۶-۵ اور گرائمر: ، خط ، درخواست ، علم بیان، بدیع اور صنعتوں کی تعریف کی دہرائی اور ٹیسٹ | 33 |
| | سبق نمبر ۱۵-۱۳، نظم نمبر ۱۳-۱۰، غزل نمبر ۷، اور گرائمر: اشتقاق، مشتقات ، و صفی اور لغوی معنی، مجازی معنی، سلینگ ، بول چال اور اصطلاحی معنوں کے حوالے سے لغت کا استعمال ، اصناف سخن کی تعریف اور پہچان کی دہرائی اور ٹیسٹ | 34 |
| | FBISE Past Papers (Last five years) Solution | 35 |
| | FBISE Past Papers (Last five years) Solution | 36 |
| Farewell Party | PREP LEAVES | 37 |
| ANNUAL FBISE EXAM | | |

نوٹ برائے اساتذہ:

طلبہ کی لسانی مہارتوں میں پختگی پیدا کرنے، اظہار و ابلاغ کی صلاحیت کی نشوونما اور تخلیقی اور انفرادی اسلوب بیان اپنانے کے لیے اساتذہ مکالمہ، گروہی بحث، بچوں کی عدالت، انٹرویو لینا، قلمی دوستی، تمثیل اور ڈراما، تحریری مقابلے (کہانی، لطیفہ، معما، تمثیلیہ، مکالمہ، انشائیہ، مزاحیہ خاکے، مضمون نویسی، خوش خطی)، جماعت میں مذاکرے، گفتگو، تقریر یا مختلف مضامین کے درمیان اردو کے تعلق سے تقاریب، علمی البم (تصاویر، ناشے، کارٹون، معلومات وغیرہ جمع کرنا)، حروف تہجی کے اعتبار سے الفاظ ترتیب دینا، لغت سے الفاظ کے معنی تلاش کرنا، معلومات عامہ کے مقابلے، اہم قومی تہواروں پر تقاریر کا اہتمام، نظم کی نقل نویسی، نئے الفاظ کی لغت خود تیار کرنا، نظم خوانی کا مقابلہ، اپنی تخلیقات پیش کرنا، اصلاح لینا وغیرہ کا

بھرپور اہتمام کریں۔ جن درس گاہوں میں رسالہ شائع ہونے کی روایت موجود ہے وہاں طلبہ کی بھرپور شرکت کی حوصلہ افزائی کی جائے۔

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

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>Ice-Breaking at the Session Commencement <i>[Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]</i></p> <p>(Pages 01-28) Chapter 1 : Number Systems Introduction, Rational and Irrational Numbers, Representation in Decimal, Properties of Real Numbers, Exercise 1.1 , omplex Numbers, Properties of Complex Numbers, Exercise 1.2, The Real Line, Geometrical Representation of Complex Numbers, The Complex Plane, Polar Form of a Complex Number, To find the Real and Imaginary Parts of a Complex Number, Exercise 1.3</p> | Orientation Ceremony |
| 2 | <p>(Pages 29-54) Chapter 2 : Sets, Functions and Groups Introduction, Exercise 2.1, Operations on Sets, Venn-Diagrams, Exercise 2.2, Operations on Three Sets, Properties of Union and Intersection, Exercise 2.3, Inductive and Deductive Logic, Implication or Conditional, Bi-Conditional, Exercise 2.4</p> | <u>Discussion on Eid-ul-Azha</u> |
| 3 | <p>(Pages 55-79) Chapter 2 (Contd):Truth Sets, A Link between Set Theory and Logic, Exercise 2.5 Relations, Functions, Linear and Quadratic Functions, Inverse of a Function, Exercise 2.6, Binary Operations, Properties of Binary Operations, Exercise 2.7, Groups, Solution of Linear Equations, Reversal Law of Inverses, Exercises 2.8</p> | <u>Celebration of Independence day</u> |
| 4 | <p>(Pages 80-114) Chapter 3: Matrices and Determinants Introduction, Addition of Matrices, Scalar Multiplication, Subtraction of Matrices, Multiplication of two Matrices, Determinant of a 2x2 Matrix ,Singular and Non-singular Matrices, Solution of Simultaneous Linear Equations by using Matrices Exercise 3.1, Field, Properties of Matrices, Exercise 3.2,Determinants, Properties of Determinants, Adjoint and Inverse of a Square Matrix of Order $n > 3$, Exercise 3.3</p> | <i>Practice of Fazaian Honour Code -1</i> |
| 5 | <p>(Pages 115-138) Chapter 3 (Contd): Elementary Row and Column Operations on a Matrix, Echelon and Reduced Echelon Forms of Matrices, Rank of a Matrix, Exercise 3.4, System of Linear Equations, Homogeneous Linear Equations, Non-Homogeneous Linear Equations, Cramer's Rule Exercise 3.5</p> | <u>Elections of Students' Council</u> <i>(Extended Break Time on Election day)</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|---|---|
| 6 | (Pages 139-164) Chapter 4 : Quadratic Equations Introduction, Solution of Quadratic Equations, Exercise 4.1 , Solution of Equations Reducible to Quadratic Equation, Exercise 4.2 , Exercise 4.3 , Three Cube Roots of Unity, Four Fourth Roots of Unity, Exercise 4.4 , Polynomial Functions, Theorems, Synthetic Division, Exercise 4.5 , Relations between the Roots and the Coefficients of a Quadratic Equation, Formation of an Equation Whose Roots are Given, Exercise 4.6 | <u>Defence Day Celebration</u> |
| 7 | (Pages 165-177) Chapter 4 (Contd) : Nature of the Roots of a Quadratic Equation, Exercise 4.7 , System of Two Equations Involving Two Variables, Exercise 4.8, Exercise 4.9 Problems on Quadratic Equations, Exercise 4.10 | <u>Importance of Ashora-e-Moharram</u> |
| 8 | (Pages 178-188) Chapter 5: Partial Fractions Introduction, Rational Fraction, Resolution of a Rational Fraction into Partial Fractions, Exercise 5.1, 5.2, 5.3 & 5.4 | Practice of Fazaian Honour Code -2 |
| 9 | (Pages 189-203) Chapter 6 : Sequences and Series Introduction, Types of Sequences, Exercise 6.1 , Arithmetic Progression, Exercise 6.2 , Arithmetic Mean, Exercise 6.3 , Series, Exercise 6.4 , Word Problems on A.P., Exercise 6.5 | Practice of Fazaian Honour Code -3 |
| 10 | (Pages 203-218) Chapter 6 (Contd): Geometric Progression, Exercise 6.6 , Geometric Means, Exercise 6.7 , Sum of n-terms of a Geometric Series, The Infinite Geometric Series, Exercise 6.8 , Word Problems on G.P, Exercise 6.9 | <u>World Teacher's Day</u> |
| 11 | (Pages 218-229) Chapter 6 (Contd): Harmonic Progression, Relations between Arithmetic, Geometric and Harmonic Means, Exercise 6.10 , Sigma Notation (or Summation Notation), To find the Formulae for the Sums, Exercise 6.11 (Pages 230-236) Chapter 7: Permutation, Combination & Probability Introduction Exercise 7.1 , Permutation Exercise 7.2 | Practice of Fazaian Honour Code -4 |
| 12 | (Pages 236-251) Chapter 7 (Contd): Permutation of Things Not All Different, Circular Permutation, Exercise 7.3 Combinations, Exercise 7.4 Probability, Exercise 7.5 , Estimating Probability and Tally Marks, Exercise 7.6 , Addition of Probabilities, Exercise 7.7 | Practice of Fazaian Honour Code -5 |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|--|--|
| 13-14 | MID-YEAR REVIEW | |
| 15 | (Pages 252-255) Chapter 7 (Contd): Multiplication of Probabilities ,Exercise 7.8 (Pages 256-265) Chapter 8: Mathematical Induction and Binomial Theorem, Introduction, Principle of Mathematical Induction, Principle of Extended Mathematical Induction, Exercise 8.1 | <u>Celebration of Iqbal Day</u> |
| 16 | (Pages 265-284) Chapter 8 (Contd) : Binomial Theorem, Exercise 8.2 Binomial Theorem when the Index is a Negative Integer or a Fraction, Application of the Binomial Theorem, Exercise 8.3 | <i>Practice of Fazaian Honour Code -6</i> |
| 17 | (Pages 285-309) Chapter 9: Fundamentals of Trigonometry. Introduction, Units of Measures of Angles, Relation between the Length of an Arc of a Circle and the Circular Measure of its Central Angle, Exercise 9.1, General Angle, Angle in the Standard Position, Trigonometric Functions of any Angle, Fundamental Identities, Signs of the Trigonometric Functions, Exercise 9.2, The Values of Trigonometric Functions of Acute Angles 45° , 30° and 60° , The Values of Trigonometric Functions of Angles 0° , 90° , 180° , 270° , 360° , Exercise 9.3 | <u>Importance of Rabi-ul-Awal</u> |
| 18 | Revision | <i>Practice of Fazaian Honour Code -7</i> |
| 19- 20 | SEND-UP EXAMINATION (HSSC-I) | |
| 21 | (Pages 309-312) Chapter 9 (Contd): Domains of Trigonometric Functions and of Fundamental Identities, Exercise 9.4 (Pages 313-333) Chapter 10: Trigonometric Identities: Introduction, Deductions from Fundamental Law, Trigonometric Ratios of Allied Angles, Exercise10.1, Further Application of Basic Identities, Exercise10.2, Double Angle Identities, Half Angle Identities, Triple Angle Identities, Exercise 10.3 | <u>National Resolve Day to Promote Education</u> |
| 22 | (Pages 333-336) Chapter 10 (Contd):Sum, Difference and Product of Sines and Cosines, Exercise 10.4 (Pages 337-351) Chapter 11: Trigonometric Functions and their Graphs. Introduction, Period of Trigonometric Functions, Exercise 11.1, Values of Trigonometric Functions, Graphs of Trigonometric Functions, Graphs of $y=\text{Sin}x$ from -2π to 2π , $y=\text{Cos}x$ from -2π to 2π , $y=\text{Tan}x$ from $-\pi$ to π , $y=\text{Cot}x$ from -2π to π , $y=\text{Sec}x$ from -2π to 2π , $y=\text{Cosec}x$ from -2π to 2π , Exercise 11.2 | <u>Celebration of Quaid's Day</u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|---|--|
| 23 | (Pages 352-360) Chapter 12: Application of Trigonometry. Introduction, Tables of Trigonometric Ratios, Exercise 12.1 Solution of Right Triangles, Exercise 12.2 , Height & Distances, Angles of Elevation and Depression, Engineering and Heights and Distances, Exercise 12.3 | <i>Practice of Fazaian Honour Code -8</i> |
| 24 | (Pages 361-373) Chapter 12 (Contd): Oblique Triangles, The Law of Sines, Cosines and Tangents, Half Angle Formulas, Solution of Oblique Triangles, Exercise 12.4, 12.5,12.6 | <i>Practice of Fazaian Honour Code -9</i> |
| 25 | (Pages 373-386) Chapter 12 (Contd): Area of Triangle, Exercise 12.7 , Circles Connected with Triangle, Engineering and Circles connected with triangles, Exercise 12.8 | <i>Practice of Fazaian Honour Code -10</i> |
| 26 | (Pages 387-400)Chapter 13:Inverse Trigonometric Functions Introduction, Inverse Sine Function, The Inverse Cosine Function, Inverse Tangent Function, Inverse Cotangent, Secant and Cosecant Functions, Domains and Ranges of Principal Trigonometric Functions and Inverse Trigonometric Functions, Exercise 13.1 , Addition and Subtraction Formulae, Exercise 13.2 | <i><u>Building confidence by discussion</u></i> |
| 27 | (Pages 401-407) Chapter 14:Solutions of Trigonometric Equations , Introduction, Solution of General Trigonometric Equations, Exercise 14 | <i><u>Kashmir Day</u></i> |
| 28 | Revision | |
| 29-30 | PRE BOARD EXAMINATION (HSSC-I) | |
| 31 | Revision and Test from Chapter No 1, 2,3 | <i><u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u></i> |
| 32 | Revision and Test from Chapter No 4, 5, 6 | |
| 33 | Revision and Test from Chapter No 7, 8, 9 | |
| 34 | Revision and Test from Chapter No 10, 11, 12 | |
| 35 | Revision and Test from Chapter No 13, 14 | |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|--------------------------|--|---------------------------------|
| 36 | FBISE Past Papers (Last Five Years) Solution | <u>Farewell party</u> |
| 37 | PREP LEAVES | |
| ANNUAL FBISE EXAM | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

PHYSICS: Class-XI

Khyber Pakhtunkhwa Textbook Board, Peshawar

Class XI

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|---|--|
| 1 | <p style="text-align: center;">Ice-Breaking at the Session Commencement <i>[Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]</i></p> <p>(Pages 1-10) CHAPTER 1: MEASUREMENTS: Physical Quantities, International System of Units, Scientific Notations, Errors and Uncertainties, Rounding off numbers</p> | <u>Orientation Ceremony</u> |
| 2 | (Pages 11-24) Chapter 1 (contd): Precision and Accuracy, Indicating uncertainty, Dimensions, Exercise, Comprehensive Questions and Numerical Problems. | <u>Discussion on Eid-ul-Azha</u> |
| 3 | (Pages 25-37) CHAPTER 2: VECTORS AND EQUILIBRIUM: 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>Celebration of Independence Day</u> |
| 4 | (Pages 37-51) Chapter 2 (contd): Product of Vectors, Torque or moment of force, Equilibrium, Conditions of Equilibrium, Exercise, Comprehensive Questions, Numerical Problems | Practice of Fazaian Honour Code -1 |
| 5 | (Pages 52-63) CHAPTER 3: MOTION AND FORCE: 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) Chapter 3 (Contd): Linear momentum, Elastic and inelastic collision, Momentum and explosives forces. | <u>Defence Day Celebration</u> |
| 7 | (Pages 69-80) Chapter 3 (Contd): Projectile motion, Exercise, Comprehensive Questions, Numerical Problems | <u>Importance of Ashora-e-Moharram</u> |
| 8 | (Pages 81-92) CHAPTER 4: WORK AND ENERGY: Work, Work done in gravitational field, Power, Energy, Implication of energy losses in practical devices efficiency and Absolute potential energy | Practice of Fazaian Honour Code -2 |
| 9 | (Pages 92-99) Chapter 4 (contd): Escape velocity, Inter conversion of potential energy, kinetic energy and Conservation of energy, Sources of energy | Practice of Fazaian Honour Code -3 |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|----------------------|---|--|
| 10 | (Pages 99-111) Chapter 4 (contd): , Exercise, Comprehensive Questions, Numerical Problems | <u>World Teacher's Day</u> |
| 11 | (Pages 146-154) CHAPTER 6: FLUID DYNAMICS: Viscous Drag and Stokes Law, Terminal Velocity, Fluids Flow, Equation of Continuity | <i>Practice of Fazaian Honour Code -4</i> |
| 12 | (Pages 154-169) Chapter 6 (contd): Bernoulli's Equation, Exercise, Comprehensive Questions, Numerical Problems | <i>Lecture on Personal Hygiene</i> |
| 13 | MID-YEAR REVIEW | |
| 14 | | |
| 15 | (Pages 170-183) CHAPTER 7: OSCILLATION, 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>Celebration of Iqbal's Day</u> |
| 16 | (Pages 183-191) Chapter 7 (contd): Phase, Damped Oscillations, Sharpness of Resonance, Exercise, Comprehensive Questions, Numerical Problems | <i>Practice of Fazaian Honour Code -5</i> |
| 17 | (Pages 192-218) CHAPTER 8 : WAVES: 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. | <u>Importance of Rabi-ul-Awal</u> |
| 18 | (Pages 218-243) Chapter 8 (contd): 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>Lecture on First Aid/Fire Fighting</u> |
| 19 | SEND-UP EXAMINATION (HSSC) | |
| 20 | | |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|--|--|
| 21 | (Pages 112-132) CHAPTER 5: ROTATIONAL AND CIRCULAR MOTION: Angular Displacement, Relation between Linear and Angular displacement, Centripetal Force and Centripetal Acceleration, Torque and Moment of Inertia Angular Momentum and torque, Kinetic Energy of rotation, Artificial Satellites | <u>National Resolve Day to Promote Education</u> <u>Parent - Teacher Meeting and Appraisal of Send Up Results</u> |
| 22 | (Pages 132-145) Chapter 5 (contd): The Orbital Velocity, The Geostationary Orbits, The Real and Apparent Weight, Weightlessness in Satellites and gravity free system, Exercise, Comprehensive Questions, Numerical Problems | <u>Celebration of Quaid's Day</u> |
| 23 | (Pages 244-267) CHAPTER 9 : PHYSICAL OPTICS: Nature of light, Wave fronts, Huygens Principal, Coherent sources Interference of Light Waves, Young's Double Slit experiment, Interference in thin films, Michelson's Interferometer, Diffraction of lighting, Fraunhofer Diffraction at a single slit, Diffraction grating | Practice of Fazaian Honour Code -6 |
| 24 | (Pages 267-279) Chapter 9 (contd): The Diffraction of X-rays by crystal, Bragg's law, Polarization of light, Exercise, Comprehensive Questions, Numerical Problems. | Practice of Fazaian Honour Code -7 |
| 25 | (Pages 280-293) CHAPTER 10: THERMODYNAMICS: Thermal equilibrium, Heat and work, Equivalence of heat and work, Internal energy, Thermodynamic system, First law of thermodynamics. | Practice of Fazaian Honour Code -8 |
| 26 | (Pages 294-302) Chapter 10 (contd) : Molar Specific heats of a gas, Reversible and Irreversible Processes, Heat Engine, Second Law of Thermodynamics. | Building Confidence by Discussion Practice of Fazaian Honour Code -9 |
| 27 | (Pages 302-314) Chapter 10 (contd): Carnot cycle, Entropy, Exercise, Comprehensive Questions, Numerical Problems. | <u>Kashmir Day</u> Practice of Fazaian Honour Code -10 |
| 28 | REVISION | |
| 29 | PRE BOARD EXAM : HSSC I | |
| 30 | | |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|--------------------------|--|--|
| 31 | Revision and Test | <u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u> |
| 32 | Revision and Test from Chapters No 1, 2 | |
| 33 | Revision and Test from Chapters No 3, 4, 5 | |
| 34 | Revision and Test from Chapters No 6,7 | |
| 35 | Revision and Test from Chapters No 8,9,10 | |
| 36 | Test from Chapters No 1-10 | |
| 37 | PREP LEAVES | <u>Farewell Party</u> |
| ANNUAL FBISE EXAM | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

CHEMISTRY: Class-XI

National Book Foundation, Islamabad

Class XI

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|---|--|
| 1 | <p style="text-align: center;">Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling] (Pages 6-11) Chapter 1: Stoichiometry Mole, Mole Calculations</p> | <u>Orientation Ceremony</u> |
| 2 | (Pages 12-21) Chapter 1: (cont.): Percentage Composition, Excess and Limiting Reactants, Theoretical Yield, Actual Yield and Percent Yield, Exercise | <u>Discussion on Eid-ul-Azha</u> |
| 3 | (Pages 22-39) Chapter 2: Atomic Structure Discharge Tube Experiments, Bohr's Atomic Model and its Applications | <u>Celebration of Independence Day</u> |
| 4 | (Pages 39-53) Chapter 2: (contd.): Plank's Quantum Theory, X-Rays, Quantum Numbers and Orbitals, Electronic Configuration, Exercise | Practice of Fazaian Honour Code -1 |
| 5 | (Pages 54-71) Chapter 3: Theories of Covalent Bonding and Shapes of Molecules: Shapes of Molecules, Theories of Covalent Bonding | <u>Elections of Students' Council (Extended Break Time on Election day)</u> |
| 6 | (Pages 71-87) Chapter 3: (cont.). Molecular Orbital Theory, Bond Energy, Effects of Bonding on Properties of Compounds, Exercise | <u>Defence Day Celebration</u> |
| 7 | (Pages 88-109) Chapter 4: Gases: KMT of Gases, Absolute Temperature Scale on the Basis of Charles Law, Avogadro's Law, Ideal Gas Equation, Deviation from Ideal Gas Behaviour | <u>Importance of Ashora-e-Moharram</u> |
| 8 | (Pages 109-125) Chapter 4: (cont.). Van der Waals Equation, Dalton's Law of Partial Pressure, Graham's Laws, Liquefaction of Gases, Plasma, Exercise | Practice of Fazaian Honour Code -2 |
| 9 | (Pages 166-187) Chapter 7: Chemical Equilibrium: Reversible Reactions and Dynamic Equilibrium, Application of the Equilibrium Constant, Factors Affecting Equilibrium and Industrial Application of Lechatelier's Principle. | Practice of Fazaian Honour Code -3 |
| 10 | (Pages 187-195) Chapter 7: Chemical Equilibrium (Contd): Solubility Product and Precipitation Reactions, Common Ion Effect, Exercise | <u>World Teacher's Day</u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|---|--|
| 11 | (Pages 196-211) Chapter 8: Acids, Bases and Salts: Acidic, Basic and Amphoteric Substances, Bronsted Lowery Concept, Conjugate Acid-Base Pairs, Lewis definitions of Acid and Base. | <i>Practice of Fazaian Honour Code -4</i> |
| 12 | (Pages 212-221) Chapter 8: (cont.) 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, Exercise | <i>Practice of Fazaian Honour Code -5</i> |
| 13 | MID-YEAR REVIEW | |
| 14 | | |
| 15 | (Pages 222- 241) Chapter 9: Chemical Kinetics: Chemical Kinetics, Rates of Reactions, Collision Theory, Transition State and Activation Energy | <u>Celebration of Iqbal's Day</u> |
| 16 | (Pages 241-247) Chapter 9: (cont.): Catalysis and Exercise (Pages 248-264) Chapter 10: Solutions and Colloids: General Properties of Solutions, Concentration Units. | <i>Practice of Fazaian Honour Code -6</i> |
| 17 | (Pages 265-283) Chapter 10: (cont.): Raoult's law, Colligative Properties of Solutions Containing Non-Electrolytes Solutes, Colloids and Exercise | <u>Importance of Rabi-ul-Awal</u> |
| 18 | Revision | <i>Practice of Fazaian Honour Code -7</i> |
| 19 | SEND-UP EXAMINATION (HSSC) | |
| 20 | | |
| 21 | (Pages 126-132) Chapter 5: Liquids: KMT of Liquids, Van der Waals Forces | <u>National Resolve Day to Promote Education</u> |
| 22 | (Pages 132-145) Chapter 5: (cont.) Liquids Physical Properties of Liquids, Energetics of Phase Changes, Exercise | <u>Celebration of Quaid's Day</u> |
| 23 | (Pages 146-165) Chapter 6: Solids: KMT of Solids, Types of Solids, Properties of Crystalline Solids, Crystal Lattice ,Lattice Energy, Exercise | <i>Practice of Fazaian Honour Code -8</i> |
| 24 | (Pages 284-301) Chapter 11: Thermochemistry: Energy in Chemical Reactions, Thermodynamics, Internal Energy, First Law of Thermodynamics, Standard States and Standard Enthalpy Changes, Heat Capacity, Calorimetry | <i>Practice of Fazaian Honour Code -9</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|--------------------------|---|---|
| 25 | (Pages 301-311) Chapter 11: (cont.): Hess's Law, Born Haber Cycle and Exercise (Pages 312-322) Chapter 12: Electrochemistry: Oxidation-Reduction Concepts | <i>Practice of Fazaian Honour Code -10</i> |
| 26 | (Pages 322-344) Chapter 12: (cont.): Electrode, Electrode Potential and Electrochemical Series, Types of Electrochemical Cells and Exercise, | |
| 27 | (Pages 345-357) Glossary | <u>Kashmir Day</u> |
| 28 | Revision | |
| 29- 30 | PRE BOARD EXAM : HSSC | |
| 31 | Revision and Test | <u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u> |
| 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 (Last five years) Solution | |
| 37 | PREP LEAVES | <u>Farewell Party</u> |
| ANNUAL FBISE EXAM | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

BIOLOGY: Class-XI

National Book Foundation, Islamabad

Class XI

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

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|----------------------|--|---|
| 12 | (Pages 238-252) Chapter 10 Form and Functions in Plants: Nutrition in Plants, Gaseous Exchange in Plants, Transport in Plants | <i>Practice of Fazaian Honour Code -5</i> |
| 13 | MID-YEAR REVIEW | |
| 14 | | |
| 15 | (Pages 252-269) Chapter 10 (Cont): Homeostasis in Plants, Support in Plants, Growth and Development in Plants, Growth Responses in Plants, Exercise | <u>Celebration of Iqbal's Day</u> |
| 16 | (Pages 270-280) Chapter 11 Digestion: Digestive System of Man (Alimentary Canal: Structure and Functional Details) | <i>Practice of Fazaian Honour Code -6</i> |
| 17 | (Pages 280-287) Chapter 11(Cont): Digestive System of Man Role of Accessory Glands, Exercise | <u>Importance of Rabi-ul-Awal</u> |
| 18 | Revision | |
| 19-20 | SEND-UP EXAMINATION (HSSC) | |
| 21 | (Pages 122-139) Chapter 5 Acellular Life: 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 | <u>National Resolve Day to Promote Education</u> |
| 22 | (Pages 140-155) Chapter 6 Prokaryotes: Taxonomy of Prokaryotes, Archaea, Bacteria, Structure; Shape and Size of Bacteria, Modes of Nutrition in Bacteria, Growth and Reproduction in Bacteria | <u>Celebration of Quaid's Day</u> |
| 23 | (Pages 155-163) Chapter 6 Prokaryotes: Importance of Bacteria, The Bacterial Flora of Human, Control of Harmful Bacteria, Exercise (Pages 164-183) Chapter 7 Protists and Fungi: Protists- The Evolutionary Relationships | <i>Practice of Fazaian Honour Code -7</i> |
| 24 | (Pages 164-183) Chapter 7 Protists and Fungi: Protists- The Evolutionary Relationships, Major groups of Protists, General characteristics of Fungi, Diversity among Fungi, Importance of Fungi and Exercise. | <i>Practice of Fazaian Honour Code -8</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|--------------------------|--|---|
| 25 | (Pages 288-303) Chapter 12: Circulation: Blood Circulatory System of Man, Blood Vessels, Blood Pressure and its Measurement | <i>Practice of Fazaian Honour Code -9</i> |
| 26 | (Pages 303-315) Chapter 12 (Cont): Cardiovascular Disorders, Lymphatic System of Man, Exercise | Building Confidence by Discussion |
| 27 | (Pages 316-335) Chapter 13 Immunity: First Line of Defence, Second Line of Defence, Third Line of Defence, Exercise | <u>Kashmir Day</u> |
| 28 | Revision | <i>Practice of Fazaian Honour Code -10</i> |
| 29-30 | PRE BOARD EXAM : HSSC | |
| 31 | Revision and Test from Chapter No 1, 2, 3, | <u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u> |
| 32 | Revision and Test from Chapter No 4, 5, 6 | |
| 33 | Revision and Test from Chapter No 7,8,9 | |
| 34 | Revision and Test from Chapter No 10,11 | |
| 35 | Revision and Test from Chapter No 12,13 | |
| 36 | FBISE PAPER AND THEIR SOLUTION | |
| 37 | PREP LEAVES | <u>Farewell Party</u> |
| ANNUAL FBISE EXAM | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

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 | <p>Ice-Breaking at the Session Commencement <i>[Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]</i></p> <p>(Pages 8-13) Chapter 1: Overview of Computer System, Introduction to Computers, Basic Operations of Computer, Classification of Digital Computers, Modern Use of Computers</p> | <u>Orientation Ceremony</u> |
| 2 | (Pages 13-21) Chapter 1 (contd): Computer Hardware & Software and Types of Computer Software, Computer Hardware, Input devices | <u>Discussion on Eid-ul-Azha</u> |
| 3 | (Pages 22-27) Chapter 1 (contd): Output Devices,. Key Points, Exercise and Lab activities. Lab Activity: Recognition of component in System Unit | <u>Celebration of Independence Day</u> |
| 4 | (Pages 28-35) Chapter 2: Computer Memory , Introduction to Computer Memory, Memory Characteristics, Memory Terminology, 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>Practice of Fazaian Honour Code -1</u> |
| 5 | (Pages 35-41) Chapter 2 (contd): Secondary Memory, Secondary Storage Device, Sequential and Direct Access Memory, Types of Secondary Storage Devices, Hard Disk, Portable Hard Drive, Compact Disk, DVDs, Blu-ray Disk, Flash Memory/Chip Memory. Key Points, Exercise and Lab activities. | <u>Elections of Students' Council (Extended Break Time on Election day)</u> |
| 6 | (Pages 42-47) Chapter 3: Central Processing Unit , Introduction, Inside CPU, Components of CPU, Registers and Buses | <u>Defence Day Celebration</u> |
| 7 | (Pages 47-51) Chapter 3 (contd): CPU Operations, Instructions, Instruction Formats, Instruction Cycle,. | <u>Importance of Ashora-e-Moharram</u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|--|--|
| 8 | (Pages 51-55) Chapter 3 (contd): CISC and RISC Architecture, Intel and AMD Processors. Key Points, Exercise and Lab activities | <i>Practice of Fazaian Honour Code -2</i> |
| 9 | (Pages 56-62) Chapter 4: Inside System Unit, Introduction, Computer Casing and System Unit, CPU and System Unit, Computer Casings, Exploring the System unit. Ports, Expansion Cards and Memory Chips | <i>Practice of Fazaian Honour Code -3</i> |
| 10 | (Pages 62-67) Chapter 4 (contd): , Ports and Their Types and Types of Expansion Cards Memory Chips. Key Points, Exercise and Lab activities | <i><u>World Teacher's Day</u></i> |
| 11 | (Pages 68-76) Chapter 5: Network Communication and Protocols, Introduction, Network Communication, Basic Network Communication Components, Modes of Network Communication, Communication Media, Communication Devices | <i>Practice of Fazaian Honour Code -4</i> |
| 12 | (Pages 76-83) Chapter 5 : 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. Lab Activity: Resource Sharing (Hardware and Software using networking) | <i><u>Lecture on Personal Hygiene</u></i> |
| 13 | MID-YEAR REVIEW | |
| 14 | | |
| 15 | (Pages 83-91) Chapter 5: 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. | <i><u>Celebration of Iqbal's Day</u></i> |
| 16 | (Pages 92-98) Chapter 6: Wireless Communications: Introduction, Wireless Networks, Advantages and Disadvantages of Wireless Networks, Wireless Network Terminology, Short and Long Distance Wireless Communications. Short Distance Wireless Communication, | <i>Practice of Fazaian Honour Code -5</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|---|---|
| 17 | (Pages 98-105) Chapter 6: Wi-Fi, Wi-Max, BLUETOOTH, INFRA-RED, Long Distance Wireless Communication, Cellular Communication, Global Positioning System, Mobile Device Communication and Requirements of Mobile Communication. 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 | REVISION | <u>Lecture on First Aid/Fire Fighting</u> <i>Practice of Fazaian Honour Code -6</i> |
| 19 | SEND-UP EXAMINATION (HSSC) | |
| 20 | | |
| 21 | (Pages 106-114) Chapter 7: Database Fundamentals, Introduction to Database, Data and Information, File Management System, Database, Database Management System, Advantages of DBMS over File Management System, Role of DBA, Database Models, Database Languages and Basic database Terminologies. | <u>National Resolve Day to Promote Education</u> <i>Practice of Fazaian Honour Code -7</i> |
| 22 | (Pages 115-125) Chapter 7 (contd): Planning Database, Data Modelling and Entity – Relationship Diagram, Cardinality and Modality, ER Diagram Examples, Library Management System, Student Management System and Ticket Booking System. | <u>Celebration of Quaid's Day</u> |
| 23 | (Pages 125-129) Chapter 7 (contd): Normalization of Relational Database, Key Points, Exercise and Lab activities. | <u>Parent – Teacher Meeting and Appraisal of Send Up Results</u> |
| 24 | (Pages 130-140) Chapter 8: Database Development, 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. Lab Activity: Design and develop a database containing: Tables (3 to 5), Queries (4 to 6), Forms (up to 10) and Reports (5 to 10) | <i>Practice of Fazaian Honour Code -8</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|----------------------|--|--|
| 25 | (Pages 140-149) Chapter 8 (contd): Creating and Editing Relationship between Tables, Navigating Through Records in a Table, Adding, modifying and Deleting Records, Working with Forms, Creating, Saving and Editing Forms, | <i>Practice of Fazaian Honour Code -9</i> |
| 26 | (Pages 149-160) Chapter 8 (contd): Different Form Views, Navigating Through Records In a Form Using Form to Add, Modify and Delete Record, Using Form Controls, Working with Queries and Commands, Generating Reports, Creating a Simple Report | <i><u>Building Confidence by Discussion</u></i> |
| 27 | (Pages 160-172) Chapter 8 (contd): , Creating a Report Using a Query, Viewing and Printing Report. Key Points, Exercise and Lab activities. | <i><u>Kashmir Day</u></i> |
| 28 | Revision | <i>Practice of Fazaian Honour Code -10</i> |
| 29 | PRE BOARD EXAM | |
| 30 | | |
| 31 | Revision and Test from Chapter No 1, 2 Lab Activity: Design and develop Student Information System | <i><u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u></i> |
| 32 | Revision and Test from Chapter No 3, 4 Lab Activity: Design and develop Student Information System | |
| 33 | Revision and Test from Chapter No 5, 6 Lab Activity: Design and develop Student Information System | |
| 34 | Revision and Test from Chapter No 7, 8 Lab Activity: Design and develop Student Information System | |
| 35 | Revision and Test from Chapter No 1-4 Lab Activity: Design and develop Student Information System | |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|--------------------------------|----------------------|---------------------------------|
| 36 | FBISE PAPER 2019 | <u>Farewell Party</u> |
| 37 | PREP LEAVES | |
| ANNUAL FBISE EXAM -2020 | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

CLASS-XI (HSSC-I)

مضمون : اسلامیات لازمی

نیشنل بک

جماعت : گیارہویں
فاؤنڈیشن

| Personality Grooming Activities | Unit/Chapter & Topic | Academic Week |
|--|--|---------------|
| Orientation Ceremony | Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling] باب اول: بنیادی عقائد توحید (صفحہ نمبر ۷ تا ۱۲) | 1 |
| Discussion on Eid-ul-Azha | توحید (جاری) (صفحہ نمبر ۱۲ تا ۱۸) | 2 |
| Celebration of Independence day | رسالت (صفحہ نمبر ۱۸ تا ۲۷) ملائکہ (صفحہ نمبر ۲۷) | 3 |
| Practice of Fazaian Honour Code -1 | آسمانی کتابیں (صفحہ نمبر ۲۸ تا ۳۱) آخرت (صفحہ نمبر ۳۲ تا ۳۷) | 4 |
| Elections of Students' Council (Extended Break Time on Election day) | باب دوم: اسلامی تشخص ارکانِ اسلام، کلمہ شہادت، نماز (صفحہ نمبر ۳۸ تا ۴۰) | 5 |
| Defence Day Celebration Practice of Fazaian Honour Code -2 | ارکانِ اسلام، نماز (جاری ہے) (صفحہ نمبر ۳۱ تا ۳۳)، روزہ (صفحہ نمبر ۳۳ تا ۳۷) | 6 |
| Importance of Ashora-e-Muharram | زکوٰۃ (صفحہ نمبر ۳۷ تا ۵۲) | 7 |
| Activity: Show a Short video on Hajj Activity: Make a mind map on war strategies and rule of war in islam | حج (صفحہ نمبر ۵۲ تا ۵۶) جہاد (صفحہ نمبر ۵۶ تا ۶۰) | 8 |
| Practice of Fazaian Honour Code -3 | اللہ تعالیٰ اور رسول ﷺ کی محبت و اطاعت (صفحہ نمبر ۶۱ تا ۶۲) حقوق العباد (صفحہ نمبر ۶۳ تا ۷۱) | 9 |

| Personality Grooming Activities | Unit/Chapter & Topic | Academic Week |
|--|--|---------------|
| <u>World Teacher's Day</u> | باب چہارم: تعارف قرآن و حدیث (صفحہ نمبر ۱۰۰ تا ۱۱۲) | 10 |
| <i>Practice of Fazaian Honour Code -4</i> | منتخب آیات ۱ تا ۶ (صفحہ نمبر ۱۱۹ تا ۱۲۲) | 11 |
| <i>Lecture on Personal Hygiene</i> | Revision | 12 |
| | MID-YEAR REVIEW | 13 |
| | | 14 |
| <u>Celebration of Iqbal's Day</u> | باب سوم: اسوۂ رسول اکرم ﷺ (صفحہ نمبر ۸۷ تا ۹۰) | 15 |
| Peer Coaching <i>Practice of Fazaian Honour Code -5</i> | تعارف حدیث منتخب احادیث ۱ تا ۶ (صفحہ نمبر ۱۱۳ تا ۱۱۹) (صفحہ نمبر ۱۲۵) | 16 |
| <u>Importance of Rabi-ul-Awal</u> | (۱) معاشرتی ذمہ داریاں محاسن اخلاق (صفحہ نمبر ۷۱ تا ۸۰) | 17 |
| <i>Lecture on First Aid/Fire Fighting</i> | Revision | 18 |
| | SEND-UP EXAMINATION (HSSC) | 19 |
| | | 20 |
| <u>National Resolve Day to Promote Education</u> | (ب) ردائل اخلاق (صفحہ نمبر ۸۰ تا ۸۶) | 21 |
| <u>Celebration of Quaid's Day</u> | منتخب آیات ۷ تا ۱۲ (صفحہ نمبر ۱۲۲ تا ۱۲۳) | 22 |
| <i>Practice of Fazaian Honour Code -6</i> | أخوت مساوات (صفحہ نمبر ۹۰ تا ۹۱) (صفحہ نمبر ۹۲ تا ۹۳) | 23 |
| <i>Practice of Fazaian Honour Code -7</i> | منتخب احادیث ۷ تا ۱۲ (صفحہ نمبر ۱۲۶ تا ۱۲۷) | 24 |
| <i>Practice of Fazaian Honour Code -8</i> | صبر و استقلال (صفحہ نمبر ۹۳ تا ۹۵) | 25 |
| Motivational talk on religious tolerance | عفو و درگزر (صفحہ نمبر ۹۵ تا ۹۶) | 26 |

| Personality Grooming Activities | Unit/Chapter & Topic | Academic Week |
|--|--|---------------|
| <u>Kashmir Day</u> <i>Practice of Fazaian Honour Code -9</i> | ذکر (صفحہ نمبر ۹۶ تا ۹۹) | 27 |
| <i>Practice of Fazaian Honour Code -10</i> | دہرائی | 28 |
| | PRE BOARD EXAM : HSSC (I & II) | 29 |
| | | 30 |
| <u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u> | Revision and Test | 31 |
| | اسباق کا اعادہ باب اول: بنیادی عقائد امتحانی پرچے کا طریقہ کار اور ماڈل پیپرز کی وضاحت، دہرائی، FBISE کے 2015، 2016، 2017، 2018، 2019 تک کے پرچہ جات میں موجود سوالوں کے جوابات | 32 |
| | اسباق کا اعادہ باب دوم: اسلامی تشخص امتحانی پرچے کا طریقہ کار اور ماڈل پیپرز کی وضاحت، دہرائی، FBISE کے 2015، 2016، 2017، 2018، 2019 تک کے پرچہ جات میں موجود سوالوں کے جوابات | 33 |
| | اسباق کا اعادہ باب سوم: اسوۂ رسول اکرم ﷺ امتحانی پرچے کا طریقہ کار اور ماڈل پیپرز کی وضاحت، دہرائی، FBISE کے 2015، 2016، 2017، 2018، 2019 تک کے پرچہ جات میں موجود سوالوں کے جوابات | 34 |
| | اسباق کا اعادہ باب چہارم: تعارف قرآن امتحانی پرچے کا طریقہ کار اور ماڈل پیپرز کی وضاحت، دہرائی، FBISE کے 2015، 2016، 2017، 2018، 2019 تک کے پرچہ جات میں موجود سوالوں کے جوابات | 35 |

| Personality Grooming Activities | Unit/Chapter & Topic | Academic Week |
|---------------------------------|--|---------------|
| | اسباق کا اعادہ باب چہارم: تعارف حدیث امتحانی پرچے کا طریقہ کار اور ماڈل پیپرز کی وضاحت، دہرائی، FBISE کے 2015، 2016، 2017، 2018، 2019 تک کے پرچہ جات میں موجود سوالوں کے جوابات | 36 |
| <u>Farewell Party</u> | PREP LEAVES | 37 |
| ANNUAL FBISE EXAM | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

English: Class-XII

Khyber Pakhtunkhwa Textbook Board Peshawar

Class XII

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|--|--|
| 1 | <p style="text-align: center;">Ice-Breaking at the Session Commencement <i>[Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]</i> (Page 2) Unit 1: Vision and Mission (Pages 3-20) Unit-1.1: The Farewell Sermon (Reading Comprehension, New Vocabulary, Study Questions, Writing Skills, Language Study and Exercises) Grammar: parts of speech, Noun and Pronoun</p> | <u>Orientation Ceremony</u> |
| 2 | <p>(Pages 21-31) Unit-1.2: Jinnah’s Vision of Pakistan (Reading Comprehension, New Vocabulary, Study Questions, Language Study and Exercises) Composition: Comprehension and Précis Writing</p> | <u>Discussion on Eid-ul-Azha</u> |
| 3 | <p>(Pages 32-39) Unit-1.3: The Blades of Grass (Reading Comprehension, Study Questions, Language Study and Exercises) Grammar: Idioms and Phrasal Verbs (A-B)</p> | <u>Celebration of Independence Day</u> |
| 4 | <p>(Page 40) Unit 2: Hope and Aspiration (Pages 41-55) Unit-2.1: “I Have A Dream...” (Reading Comprehension, New Vocabulary, Study Questions, Language Study and Exercises) Grammar: Verb</p> | <i>Practice of Fazaian Honour Code -1</i> |
| 5 | <p>(Pages 56-65) Unit-2.2: Glory and Hope (Reading Comprehension, New Vocabulary, Study Questions, Language Study and Exercises) (Pages 1-5) Novel: Good Bye Mr Chips, Chapters 1 and 2 Composition: Report Writing</p> | <u>Elections of Students’ Council (Extended Break Time on Election day)</u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|--|--|
| 6 | (Pages 66-75) Unit-2.3: I Dream a World (Reading Comprehension, Understanding the poem, Writing, Language Study and Exercises) (Pages 6-10) Novel, Chapters 3 and 4 Grammar: Direct Object, Indirect Object | <u>Defence Day Celebration</u> <i>Practice of Fazaian Honour Code -2</i> |
| 7 | (Page 76) Unit 3: Duty And Responsibility (Pages 77-93) Unit-3.1: "Lesson From the Battle of Uhud (Reading Comprehension, New Vocabulary, Study Questions, Language Study and Exercises) (Pages 11-15) Novel, Chapters 5 and 6 Grammar: Complements (Object and Subject), Idioms and Phrasal Verbs (C-D) | <u>Importance of Ashora-e-Moharram</u> |
| 8 | (Pages 94-108) Unit-3.2: Lingkuan Gorge (Reading Comprehension, New Vocabulary, Study Questions, Language Study and Exercises) (Pages 16-18) Novel, Chapter 7 Composition: Report Writing, Précis Writing | <i>Practice of Fazaian Honour Code -3</i> |
| 9 | (Pages 109-121) Unit-3.3: If (Reading Comprehension, Understanding the poem, Language Study and Exercises) Grammar: Phrasal Verbs (E-G), Correction of Errors and exercise, Adjectives, kinds of adjectives | <i>Practice of Fazaian Honour Code -4</i> |
| 10 | (Page 277) Unit 7:Tales From Shakespeare (Pages 278-301) Unit-7.1:The Merchant of Venice (Reading Comprehension, New Vocabulary, Study Questions, Language Study, Writing the Paragraph and Exercises) Composition: Comprehension and Précis Writing | <u>World Teacher's Day</u> |
| 11 | (Pages 302-319) Unit-7.2:King Lear (Reading Comprehension, New Vocabulary) Composition: Essay Writing | <i>Practice of Fazaian Honour Code -5</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|----------------------|---|---|
| 12 | (Pages 319-331) Unit-7.2(contd.): (Study Questions, Language Study, The Essay, Intonation and Exercises) Grammar: Phrases (Kinds), Idioms and Phrasal Verbs (H-M) | <i>Practice of Fazaian Honour Code -6</i> |
| 13 | MID-YEAR REVIEW | |
| 14 | | |
| 15 | (Page 122) Unit 4: Hope, Courage and Determination (Pages 123-144) Unit-4.1: Determination (Reading Comprehension, New Vocabulary, Study Questions, Language Study and Exercises) (Pages 19-24) Novel, Chapters 8,9 and 10 | <u>Celebration of Iqbal's Day</u> |
| 16 | (Pages 145-158) Unit-4.2:The Man Who Planted Trees (Reading Comprehension, New Vocabulary, Study Questions, Language Study and Exercises) Grammar & Composition: Conjunctions, Essay Writing, Appositive and Appositive Phrases | <i>Practice of Fazaian Honour Code -7</i> |
| 17 | (Pages 159-167) Unit-4.3: It Couldn't be Done (Reading Comprehension, Study Questions, Understanding the poem, Language Study and Exercises) Grammar and Composition: Idioms and Phrasal Verbs (N-T), Report Writing | <u>Importance of Rabi-ul-Awal</u> |
| 18 | Revision | <i>Practice of Fazaian Honour Code -8</i> |
| 19 | SEND-UP EXAMINATION (HSSC) | |
| 20 | | |
| 21 | (Page 168) Unit 5: Technology/ Gender Inequality (Pages 169-193) Unit-5.1: Technology and Society of the Future (Reading Comprehension, New Vocabulary, Study Questions, Language Study and Exercises) (Pages 25-34) Novel, Chapters 11-14 | <u>National Resolve Day to Promote Education</u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|--|---|
| 22 | <p>(Pages 194-208) Unit-5.2: Gender Inequality is Detrimental to Society (Reading Comprehension, New Vocabulary, Study Questions, Language Study and Exercises)</p> <p>(Pages 35-42) Novel, Chapters 15-17</p> <p>Grammar & Composition: Prepositions, Essay Writing, Appositive and Appositive Phrases</p> | <u>Celebration of Quaid's Day</u> |
| 23 | <p>(Pages 209-229) Unit-5.3: The School Boy (Reading Comprehension, Study Questions, Understanding the poem, Language Study, Writing and Exercises)</p> <p>Composition: Correction of Errors, Comprehension, Précis Writing</p> | <i>Practice of Fazaian Honour Code -9</i> |
| 24 | <p>(Page 230) Unit 6:Cultural Heritage, The Past and The Present</p> <p>(Pages 231-251) Unit-6.1:Archaeological Treasures of Pakistan (Reading Comprehension, New Vocabulary, Study Questions, Writing Assignment, Language Study and Exercises)</p> <p>Grammar: Adverbs &, Kinds of Adverbs, Idioms and Phrasal Verbs (U-Z)</p> | <i>Practice of Fazaian Honour Code -10</i> |
| 25 | <p>(Pages 252-262) Unit-6.2:The Renaissance (Reading Comprehension, New Vocabulary, Study Questions, Group discussion, Language Study and Exercises)</p> | |
| 26 | <p>(Pages 263-276) Unit-6.3: Once Upon a Time (Reading Comprehension, Study Questions, Understanding the poem, Writing, Language Study and Exercises)</p> <p>Grammar: Interjections</p> | Building Confidence by Discussion |
| 27 | <p>(Pages 43-50) Novel, Chapter 18 and Exercises</p> <p>Grammar: Exercises on general grammar items and all parts of speech</p> | <u>Kashmir Day</u> |
| 28 | REVISION | |
| 29 | PRE BOARD EXAM : HSSC | |
| 30 | | |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|--------------------------|--|---|
| 31 | Revision and Test | <u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u> |
| 32 | Revision and Test | |
| 33 | Revision and Test | |
| 34 | Revision and Test from Chapter No 1,2,3,4 and novel 1-9 and exercises | |
| 35 | Revision and Test from Chapter No 5,6,7 and novel 10-18 and exercises | |
| 36 | FBISE Past Papers Solution | |
| 37 | PREP LEAVES | <u>Farewell Party</u> |
| ANNUAL FBISE EXAM | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

مضمون : اُردو

ading Books Publisher

جماعت : بارہویں خیبر پختونخوا ٹیکسٹ بک بورڈ

| Personality Grooming Activities | Unit/Chapter & Topic | Academic Week |
|---|--|---------------|
| <u>Orientation Ceremony</u> | <p style="text-align: center;">Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]</p> <p style="text-align: center;">حصہ نثر: مسلمانوں کا قدیم طرزِ تعلیم، مولانا شبلی نعمانی، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: عبارت میں معاون فعل کی تلاش</p> | 1 |
| <u>Discussion on Eid-ul-Azha</u> | <p style="text-align: center;">حصہ نثر: سُقراط، مہدی افادی، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: افعال کے حوالے سے متعلق فعل کو عبارت میں تلاش کرنا</p> | 2 |
| <u>Celebration of Independence Day</u> | <p style="text-align: center;">حصہ نظم: جوابِ شکوہ، علامہ اقبال، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: اشعار میں صنائع بدائع کی پہچان</p> | 3 |
| Project : Presentations by students on 'Reasons of the downfall of the Mughals in subcontinent' and 'Atrocities of the British on the Muslims'. | <p style="text-align: center;">حصہ نثر: فاقہ میں روزہ، خواجہ حسن نظامی، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ نظم: بڑھے چلو، اختر شیرانی، مشقی سوالات (MCQs) مختصر سوالات و جوابات</p> | 4 |
| <u>Elections of Students' Council (Extended Break Time on Election day)</u> | <p style="text-align: center;">حصہ نثر: پھر وطنیت کی طرف، مولانا صلاح الدین احمد، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ نظم: مناظر سحر، جوش ملیح آبادی، مشقی سوالات (MCQs) مختصر سوالات و جوابات</p> | 5 |
| <u>Defence Day Celebration Practice of Fazaian Honour Code -1</u> | <p style="text-align: center;">حصہ غزل: جنہیں میں ڈھونڈتا تھا آسمانوں میں زمینوں میں، علامہ اقبال، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: مضمون نویسی (مضامین کی اقسام اور مضمون کے مختلف حصوں کی وضاحت)</p> | 6 |

| Personality Grooming Activities | Unit/Chapter & Topic | Academic Week |
|--|--|---------------|
| <u>Importance of Ashora-e-Moharram</u> | حصہ نثر: شہرتِ عام اور بقائے دوام کا دربار، محمد حسین آزاد، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ قواعد: مضمون نویسی (تخلیقی لکھائی) | 7 |
| Practice of Fazaian Honour Code -2 | حصہ نثر: چند روز ایک روڑ رولر کے ساتھ، ڈاکٹر وزیر آغا، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ غزل: کب یاد میں تیرا ساتھ نہیں، کب ہات میں تیرا ہات نہیں، فیض احمد فیض، مشقی سوالات (MCQs) مختصر سوالات و جوابات) | 8 |
| Practice of Fazaian Honour Code -3 | حصہ نثر: منظور، سعادت حسن منٹو، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ غزل: کون کہتا ہے کہ موت آئی تو مر جاؤں گا، احمد ندیم قاسمی، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ قواعد: مرکب جملوں کا درست استعمال | 9 |
| <u>World Teacher's Day</u> Practice of Fazaian Honour Code -4 | حصہ نثر: کتبہ، غلام عباس، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم: شکست کی آواز، میرا جی، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ قواعد: آبِ بیتی (تخلیقی لکھائی) | 10 |
| Poetry Competition: Present Poems of your own on or some other poet on "Mothers" in the class. | حصہ نثر: مائیں، احمد ندیم قاسمی، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ غزل: سفر منزلِ شب یاد نہیں، ناصر کاظمی، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ قواعد: رموزِ اوقاف (عملی مشق) | 11 |
| Lecture on Personal Hygiene Practice of Fazaian Honour Code -5 | حصہ نثر: سیاہ فام، شوکت صدیقی، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ نظم: ستارے، ن۔م راشد، مشقی سوالات (MCQs) مختصر سوالات و جوابات) حصہ قواعد: آبِ بیتی (تخلیقی لکھائی) | 12 |
| | MID-YEAR REVIEW | 13 |
| | | 14 |

| Personality Grooming Activities | Unit/Chapter & Topic | Academic Week |
|--|---|---------------|
| Celebration of Iqbal Day Practice of Fazaian Honour Code -6 | حصہ نثر: محسن محلہ، اشفاق احمد، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ نظم: نفیر عمل، مجید امجد، مشقی سوالات (MCQs) مختصر سوالات و جوابات قواعد: عبارت میں معاون فعل کی تلاش (دہرائی) | 15 |
| Peer Coaching Practice of Fazaian Honour Code -7 | حصہ نثر: کنڈکٹر، الطاف فاطمہ، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ غزل: آکے پتھر تو مرے صحن میں دو چار گرے، شکیب جلالی، مشقی سوالات (MCQs) مختصر سوالات و جوابات | 16 |
| Importance of Rabi-ul-Awal | قواعد: افعال کے حوالے سے متعلق فعل کو عبارت میں تلاش کرنا (دہرائی) | 17 |
| Lecture on First Aid/Fire Fighting | دہرائی | 18 |
| | SEND-UP EXAMINATION (HSSC) | 19 |
| | | 20 |
| National Resolve Day to Promote Education Parent - Teacher Meeting and Appraisal of Send Up Results | حصہ نثر: ایک وصیت کی تعمیل، فرحت اللہ بیگ، مشقی سوالات (MCQs) مختصر سوالات و جوابات قواعد: اشعار میں صنائع بدائع کی پہچان (دہرائی) | 21 |
| Celebration of Quaid's day | حصہ نثر: علامہ اقبال، چراغ حسن حسرت، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ نظم: ہمیشہ دیر کر دیتا ہوں، منیر نیازی، مشقی سوالات (MCQs) مختصر سوالات و جوابات | 22 |
| Practice of Fazaian Honour Code -8 | حصہ نثر: طائر لاہوتی، فارغ بخاری، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ نظم: بڑے ڈرپوک ہو، وزیر آغا، مشقی سوالات (MCQs) مختصر سوالات و جوابات | 23 |
| Presentation: Present your own humorous article in the class | حصہ نثر: مرید پور کا پیر، پطرس بخاری، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: مرکب جملوں کا درست استعمال (دہرائی) | 24 |

| Personality Grooming Activities | Unit/Chapter & Topic | Academic Week |
|--|---|---------------|
| Practice of Fazaian Honour Code -9 | حصہ نثر: حاجی اورنگ زیب خان، مشتاق احمد یوسفی، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ غزل: لب کشا لوگ ہیں، سرکار کو کیا بولنا ہے، احمد فراز، مشقی سوالات (MCQs) مختصر سوالات و جوابات قواعد: آپ بیٹی (دہرائی) | 25 |
| Building Confidence by Discussion | حصہ غزل: مل کے بیٹھے نہیں، خوابوں میں شراکت نہیں کی، ظفر اقبال، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: رموز اوقاف (دہرائی) | 26 |
| Kashmir Day | حصہ غزل: نہ سہی کچھ مگر اتنا تو کیا کرتے تھے، شہزاد احمد، مشقی سوالات (MCQs) مختصر سوالات و جوابات حصہ قواعد: مضمون نویسی (دہرائی) | 27 |
| Practice of Fazaian Honour Code -10 | دہرائی | 28 |
| | PRE BOARD EXAM | 29 |
| | | 30 |
| Parent - Teacher Meeting and Appraisal of Pre-Board results | سبق نمبر ۴-۱، نظم نمبر ۲-۱، غزل نمبر ۲-۱ اور گرائمر: عبارت میں معاون فعل کی تلاش، افعال کے حوالے سے متعلق فعل کو عبارت میں تلاش کرنا کی دہرائی اور ٹیسٹ | 31 |
| | سبق نمبر ۸-۵، نظم نمبر ۴-۳، غزل نمبر ۴-۳، اور گرائمر: آپ بیٹی، اشعار میں صنائع بدائع کی پہچان کی دہرائی اور ٹیسٹ | 32 |
| | سبق نمبر ۱۲-۹، نظم نمبر ۶-۵، غزل نمبر ۷-۵، اور گرائمر: مرکب جملوں کا درست استعمال، رموز اوقاف کی دہرائی اور ٹیسٹ | 33 |
| | سبق نمبر ۱۷-۱۳، نظم نمبر ۸-۷، غزل نمبر ۸، اور گرائمر: مضمون نویسی کی دہرائی اور ٹیسٹ | 34 |
| | حصہ نثر ٹیسٹ | 35 |
| | حصہ نظم اور حصہ غزل ٹیسٹ | 36 |

| Personality Grooming Activities | Unit/Chapter & Topic | Academic Week |
|---------------------------------|------------------------|---------------|
| <u>Farewell Party</u> | PREP LEAVES | 37 |
| | ANNUAL FBISE EXAM 2020 | |
| | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

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 | <p style="text-align: center;">Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]</p> <p>(Pages 1 – 28)Chapter 1: Functions and Limits Introduction, Concept of Function, Types of Functions, Exercise 1.1, Composition of Functions and Inverse of a Function, Exercise 1.2, Limit of a Function and Theorems on Limits, Limits of Important Functions, Exercise 1.3</p> | <i>Orientation Ceremony</i> |
| 2 | <p>(Pages 28–40)Chapter 1(Contd): Continuous and Discontinuous Functions, Exercise 1.4, Graphs, Exercise 1.5</p> <p>(Pages 41-51) Chapter 2: Differentiation Introduction, Average Rate of Change, Derivative of a Function, Finding $f'(x)$ from Definition of Derivative, Exercise 2.1</p> | <i>Discussion on Eid-ul-Azha</i> |
| 3 | <p>(Pages 51-71)Chapter 2(Contd): Differentiation of Expressions of the types: $(ax + b)^n$ and $\frac{1}{(ax + b)^n}$,</p> <p>Exercise 2.2, Theorems on Differentiation, Quotient Rule, Exercise 2.3, The Chain Rule, Derivatives of Inverse Functions, Derivative of a Function Given in the Form of Parametric Equations, Differentiation of Implicit Relations, Exercise 2.4</p> | <i>Celebration of Independence day</i> |
| 4 | <p>(Pages 71-95)Chapter 2 (Contd): Derivatives of Trigonometric Functions, Derivatives of Inverse Trigonometric Functions, Exercise 2.5, Derivative of Exponential Functions, Derivative of the Logarithmic Function, Logarithmic Differentiation, Derivatives of Hyperbolic Functions, Derivatives of the Inverse Hyperbolic Functions, Exercise 2.6, Successive Differentiation or Higher Derivatives, Exercise 2.7</p> | <i>Practice of Fazaian Honour Code -1</i> |
| 5 | <p>(Pages 95-118)Chapter 2 (Contd) : Series Expansions of Functions, Taylor Series Expansions of Functions, Exercise 2.8, Geometrical Interpretation of a Derivative, Increasing and Decreasing Functions, Relative Extrema, Critical Values and Critical Points, Exercise 2.9 Application of Maxima and Minima, Exercise 2.10</p> | <i>Elections of Students' Council</i> <i>(Extended Break Time on Election day)</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|--|--|
| 6 | <p>(Pages 119-137) Chapter 3: Integration, Introduction, Differentials of Variables, Exercise 3.1, Integration as Anti-derivative, Theorems on Anti-Derivatives, Exercise 3.2 Integration by Method of Substitution, Some Useful Substitutions, Exercise 3.3</p> | <p><u>Defence Day Celebration</u></p> |
| 7 | <p>(Pages 138-150)Chapter 3(Contd): Integration by Parts, Exercise 3.4 Integration involving, Partial Fractions Exercise 3.5</p> | <p><u>Importance of Ashora-e-Moharram</u></p> |
| 8 | <p>(Pages 151-168) Chapter 3(Contd): Definite Integrals, Area Under the Curve, Theorems of Integrals Exercise 3.6 Application of Definite Integrals Exercise 3.7</p> | <p>Practice of Fazaian Honour Code -2</p> |
| 9 | <p>(Pages 168-178)Chapter 3 (Contd): Differential Equations, Solution of a Differential Equation of First Order, General Solution, Particular Solution, Initial Conditions, Exercise 3.8 (Pages 179-186)Chapter 4: Introduction to Analytic Geometry, Introduction, Coordinate System, Distance Formula, Ratio Formula, Exercise 4.1</p> | <p>Practice of Fazaian Honour Code -3</p> |
| 10 | <p>(Pages 187-199)Chapter 4 (Contd): Translation and Rotation of Axes, Exercise 4.2 Equations of Straight Lines, Inclination, Slope, Equations of Straight Lines Parallel to x-axis, Derivation of Standard Forms of Straight Lines, Slope-Intercept Form, Point – Slope Form, Symmetric Form, Two Point Form, Intercept Form, Normal Form of Equation of a Straight Line, (Relevant questions from Exercise 4.3)</p> | <p><u>World Teacher’s Day</u></p> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|---|--|
| 11 | (Pages 199-218)Chapter 4(Contd); 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, Equation of Lines through the Point of Intersection of Two Lines, Distance of a Point from a Line, Distance between Two Parallel Lines, Area of Triangular Region Whose Vertices are Given,(Relevant questions from Exercise 4.3) | <i>Practice of Fazaian Honour Code -4</i> |
| 12 | (Pages 218-228)Chapter 4(Contd); Angle between Two Lines, Equation of Straight Line in Matrix Form, Exercise 4.4 , Homogeneous Equation of the Second Degree in Two Variables, Measure of Angle between the Lines Represented by $ax^2+2hxy+by^2=0$, Exercise 4.5 | <i>Practice of Fazaian Honour Code -5</i> |
| 13-14 | MID-YEAR REVIEW | |
| 15 | (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 Iqbal Day</u> |
| 16 | (Pages 243-248) Chapter 5 (Contd): , Linear Programming, Exercise 5.3 | <i>Practice of Fazaian Honour Code -6</i> |
| 17 | (Pages 325-335) Chapter7: Vectors 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, A Unit Vector in the Direction of Another Given Vector, Ratio Formula, Vector Geometry, Exercise 7.1 | <u>Importance of Rabi-ul-Awal</u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|--|---|
| 18 | Revision | <i>Practice of Fazaian Honour Code -7</i> |
| 19-20 | SEND-UP EXAMINATION (HSSC-II) | |
| 21 | (Pages 335-350)Chapter 7 (Contd): Introduction of Vector in Space, Properties of Vectors, Another Notation for Representing Vectors in Space, Distance between Two Points in Space, Direction Angles and Direction Cosines of a Vector, Exercise 7.2 , The Scalar Product of Two Vectors, Deduction of Important Results, Perpendicular Vectors, Properties of Dot Product, Analytic Expression of Dot Product ($u \cdot v$), Angle Between Two Vectors, Projection of One Vector Upon Another Vector, Exercise 7.3 | <u><i>National Resolve Day to Promote Education</i></u> |
| 22 | (Pages 350-366) Chapter 7 (Contd) : The Cross Product (Vector Product) of Two Vectors, Derivation of Useful results of Cross Products , Properties of Cross Product, Analytical Expression of $u \times v$, Parallel Vectors, Area of Parallelogram, Area of Triangle, Exercise 7.4 , Scalar Triple Product of Vectors, Analytical Expression of $u \cdot (v \times w)$, The Volume of a Parallelepiped, The Volume of the Tetrahedron, Properties of Triple Scalar Product, Application of Vectors, Work Done, Moment of Force, Exercise 7.5 | <u><i>Celebration of Quaid's Day</i></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 by Given Conditions, Exercise 6.1 , Tangents and Normals, Length of the Tangent to a Circle, Exercise 6.2 | <i>Practice of Fazaian Honour Code -8</i> |
| 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 | <i>Practice of Fazaian Honour Code -9</i> |
| 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 the Hyperbola, Exercise 6.6 | <i>Practice of Fazaian Honour Code -10</i> |
| 26 | (Pages 298-309) Chapter 6 (Contd): Tangents and Normals, Condition of Tangent to the Hyperbola, Intersection of Two Conics, Exercise 6.7 | <i>Building confidence by discussion</i> |
| 27 | (Pages 310-324) Chapter 6 (Contd): Translation and Rotation of Axes, Exercise 6.8 , General Equation of Second Degree, Classification of Conics by the Discriminant, Tangents to the General Equation of the Second Degree at Given Point, Exercise 6.9 | <u><i>Kashmir Day</i></u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|--------------------------|---|---|
| 28 | Revision | |
| 29-30 | PRE BOARD EXAMINATION (HSSC-II) | |
| 31 | Revision and Test from Chapter No 1, 7 | <u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u> |
| 32 | Revision and Test from Chapter No 2 | |
| 33 | Revision and Test from Chapter No 3 | |
| 34 | Revision and Test from Chapter No 4, 5 | |
| 35 | Revision and Test from Chapter No 6 | |
| 36 | FBISE Past Papers (Last Five Years) Solution | <u>Farewell party</u> |
| 37 | PREP LEAVES | |
| ANNUAL FBISE EXAM | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

PHYSICS: Class-XII

Khyber Pakhtunkhwa Textbook Board Peshawar

Class XII

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|---|--|
| 1 | <p style="text-align: center;">Ice-Breaking at the Session Commencement <i>[Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]</i> (Pages 1-20) Chapter 11: Electrostatics, Introduction, Properties of charge, Coulomb's Law, Electric field and its intensity, Application of electrostatics, Electric flux and examples.</p> | <u>Orientation Ceremony</u> |
| 2 | (Pages 21-42) Chapter 11 (contd): Gauss's Law, Application of Gauss's law, Electric potential, Field and potential gradient, The electron volt, Capacitor and examples | <u>Discussion on Eid-ul-Azha</u> |
| 3 | (Pages 43-60) Chapter 11 (contd): Electric polarization, Energy stored in a capacitor, Charge and discharging a capacitor, Key points, Exercise and Examples | <u>Celebration of Independence Day</u> |
| 4 | (Pages 61-78) Chapter 12: Current Electricity ,: Introduction, Steady current, Drift velocity in conductor, electroencephalogram (EEG), OJM's law, Electrical resistance, Specific resistance or resistivity, Conductance, Conductivity, Effect of Temperature, on resistance, Wire-Wound Variable Resistors, Thermistor | <u>Practice of Fazaian Honour Code -1</u> |
| 5 | (Pages 78-98) Chapter 12 (contd): Electromotive Force, Internal Resistance of a Supply, Electric Power, Maximum Power output, Thermocouples, , Resistance thermometers, Kirchoff's Law, Wheatstone Bridge | <u>Elections of Students' Council (Extended Break Time on Election day)</u> |
| 6 | (Pages 98-109) Chapter 12 (contd): Wheatstone Bridge, Potentiometer, Exercise | <u>Defence Day Celebration</u> |
| 7 | (Pages 110-130) Chapter 13 Introduction, Electromagnetism , Magnetic Field, Force on a current carrying conductor, Magnetic Flux, Ampere's Law, Magnetic Field due to a current carrying solenoid, Motion of a charged particle in uniform magnetic field, Torque on a current carrying loop / coil, Galvanometer | <u>Importance of Ashora-e-Moharram</u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|----------------------|--|--|
| 8 | (Pages 130-145) Chapter 13 (contd): Galvanometer, Conversion of Galvanometer, into Ammeter, Avometer-Multimeter, Exercise, Conceptual Questions | <i>Practice of Fazaian Honour Code -2</i> |
| 9 | (Pages 146-166) Chapter 14 Introduction, Electromagnetic Induction: Electromagnetic induction, Faraday's Laws of electromagnetic Induction, Lenz's Law, Induced E.M.F Generating Electricity, AC Motor | <i>Practice of Fazaian Honour Code -3</i> |
| 10 | (Pages 166-180) Chapter 14 (contd): , AC Motor, Transformers, Exercise, <i>Examples, Questions, Problems, End Chapter Test</i> | <u><i>World Teacher's Day</i></u> |
| 11 | (Pages 236-254) Chapter 16: Introduction, Physics of Solids, Introduction, Classification of Solids, Elastic Moduli, Hooke's Law, Mechanical properties of solids, Energy Band Theory | <i>Practice of Fazaian Honour Code -4</i> |
| 12 | (Pages 255-268) Chapter 16 (contd): Superconductors, Theory of Magnetism, Modern View about Magnetism, Classification of Magnetic Materials, Magnetic Hysteresis, Exercise, Examples, Questions, Problems, End Chapter Test | <i>Lecture on Personal Hygiene</i> |
| 13 | MID-YEAR REVIEW | |
| 14 | | |
| 15 | (Pages 269-283) Chapter 17 Introduction, Electronics, Intrinsic Semiconductor, Intrinsic Semiconductor at Room Temperature, Intrinsic Carriers, PN Junction, Rectification, Transistor, Types of configurations | <u><i>Celebration of Iqbal's Day</i></u> |
| 16 | (Pages 283-295) Chapter 17 (contd): Types of configurations, Optoelectronic Junction devices, Exercise | <i>Practice of Fazaian Honour Code -5</i> |
| 17 | (Pages 296-317) Chapter 18 Introduction, Dawn of Modern Physics: References Frames, Special Theory of Relativity, Consequences of Special Theory of Relativity, Black Body Radiation, Photoelectric Effect, Compton's Effect, | <u><i>Importance of Rabi-ul-Awal</i></u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|--|--|
| 18 | (Pages 317-340) Chapter 18 (contd): Compton's Effect, Pair Production, Pair Annihilation, The Wave Nature of Particles, electron Microscope, Uncertainty Principle, Exercise Revision | <i>Lecture on First Aid/Fire Fighting</i> <i>Practice of Fazaian Honour Code -6</i> |
| 19-20 | SEND-UP EXAMINATION | |
| 21 | (Pages 181-198) Chapter 15: Introduction, Alternating Current, AC and AC Circuits, AC Through a Resistor, AC Through a Capacitor, AC Through an Inductor, Sinusoidal Alternating Voltage and Current, A.C. Terminologies, Values of Alternating Voltage and Current, R. M. S. Values of Sinusoidal Current, Phase of A.C., A.C. Through Resistance, AC Through Pure Inductance. | <i><u>National Resolve Day to Promote Education</u></i> |
| 22 | (Pages 198-218) Chapter 15 (contd): Choke coil , A. C. Through Capacitance, R. L Series A.C. Circuit, R-L Series Impedance Triangle, R.C Series A.C. Circuit, R-L-C Series, Resonance in A.C Circuits, Maxwells Equations, Examples, | <i><u>Celebration of Quaid's Day</u></i> |
| 23 | (Pages 218-235) Chapter 15 (contd): Maxwells Equations, Electromagnetic Wave, Electrocardiogram (E. C. G) Exercise, Questions, Problems, End Chapter Test | <i>Practice of Fazaian Honour Code -7</i> |
| 24 | (Pages 341-360) Chapter 19: Introduction, Atomic Spectra, The Spectrum of Hydrogen Atom, Bohr Model of The Hydrogen Atom, Energy – Level Diagram, De – Broglie Waves and the Hydrogen Atom, Inner shell Transition and Characteristic X-Rays, | <i>Practice of Fazaian Honour Code -8</i> |
| 25 | (Pages 361-376) Chapter 19 (contd) : Inner shell Transition and Characteristic X-Rays , Production of X-Rays, Lasers, Exercise, Examples, Questions, Problems, End Chapter Test | <i>Practice of Fazaian Honour Code -9</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|--------------------------|---|--|
| 26 | (Pages 377-399) Chapter 20 Nuclear Physics: Atomic Nucleus, Isotopes, Mass Spectrograph, Nuclear Masses, Mass defect and binding energy, Radioactivity, Spontaneous and Random Nuclear Decay, Half-life and rate of decay, Interaction of Radiation with Matter, Radiation Detectors, Nuclear Reactions | <u>Building Confidence by Discussion</u> |
| 27 | (Pages 399-422) Chapter 20 (contd) : Nuclear Reactions, Nuclear Fission, Nuclear Reactors, Nuclear Fusion, Radiation Exposure, Biological Effects of Radiation, Biological and Medical uses of Radiation, Basic Forces of Nature, Building Blocks of Matter, Exercise, Examples, Questions, Problems, End Chapter Test | <u>Kashmir Day</u> <u>Practice of Fazaian Honour Code -10</u> |
| 28 | Revision | |
| 29 | PRE BOARD EXAM | |
| 30 | | |
| 31 | | Revision and Test |
| 32 | Revision and Test from Chapter No 11 & 12 | |
| 33 | Revision and Test from Chapter No 13 & 14 | |
| 34 | Revision and Test from Chapter No 15 & 16 | |
| 35 | Revision and Test from Chapter No 17 & 18 | |
| 36 | Revision and Test from Chapter No 19 & 20 | <u>Farewell Party</u> |
| 36 | FBISE Past Papers Solution | |
| 37 | PREP LEAVES | |
| ANNUAL FBISE EXAM | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

CHEMISTRY: Class-XII

National Book Foundation

Class XII

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|---|--|
| 1 | <p style="text-align: center;">Ice-Breaking at the Session Commencement <i>[Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]</i></p> <p>(Pages 92-107) Chapter 15: Organic Compounds, 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 Exercise</p> | <u>Orientation Ceremony</u> |
| 2 | (Pages 108-128) Chapter 16: Hydrocarbons , Types of Hydrocarbons, Alkanes and Cycloalkanes, Radical Substitution Reactions, Oxidation and Reduction of Organic Compounds, Alkenes. | <u>Discussion on Eid-ul-Azha</u> |
| 3 | (Pages 128-142) Chapter 16 (Contd.): Isomerism and Alkynes. | <u>Celebration of Independence Day</u> |
| 4 | (Pages 142-165) Chapter 16 (Contd.): Benzene and Substituted Benzenes, Exercise | <i>Practice of Fazaian Honour Code -1</i> |
| 5 | (Pages 166-179) Chapter 17: Alkyl Halides and Amines , Alkyl Halide | <u>Elections of Students' Council (Extended Break Time on Election day)</u> |
| 6 | (Pages 179-191) Chapter 17 (Contd.): Organometallic Compounds, Amines, Exercise | <u>Defence Day Celebration</u> |
| 7 | (Pages 192-213) Chapter 18: Alcohol, Phenols and Ethers , Alcohols and Phenols | <u>Importance of Ashora-e-Moharram</u> |
| 8 | (Pages 200-213) Chapter 18 (Contd.): Phenols, Ethers and Exercise | <i>Practice of Fazaian Honour Code -2</i> |
| 9 | (Pages 6-30) Chapter 13: s – and p – Block Elements: Period 3 (Na to Ar), Group 1-Elements | <i>Practice of Fazaian Honour Code -3</i> |
| 10 | (Pages 30-57) Chapter 13 (Contd.): Group 2-Elements, Group 4-Elements, Group 7 Elements: (Halogens) and Exercise | <u>World Teacher's Day</u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|---|--|
| 11 | (Pages 58-73) Chapter 14: d - and f - Block Elements Transition Elements: Introduction and General Features, Coordination Compounds. | <i>Practice of Fazaian Honour Code -4</i> |
| 12 | (Pages 73-91) Chapter 14 (Contd.): Chemistry of Some Important Transition Elements and Exercise | <i>Practice of Fazaian Honour Code -5</i> |
| 13 | MID-YEAR REVIEW | |
| 14 | | |
| 15 | (Pages 258-285) Chapter 21 Biochemistry: Carbohydrates, Proteins, Enzymes, Lipids , Nucleic Acids, Minerals of Biological Significance and Exercise | <u>Celebration of Iqbal's Day</u> |
| 16 | (Pages 286-294) Chapter 22: Industrial Chemistry: Introduction to Chemical Industry, Raw Material for the Chemical Industry, Safety Considerations in Process Industries, Dyes | <i>Practice of Fazaian Honour Code -6</i> |
| 17 | (Pages 294-311) Chapter 22 (Contd.): Pesticides, Petrochemical, Synthetic Polymers, Cosmetic Chemistry, Adhesives and Exercise | <u>Importance of Rabi-ul-Awal</u> |
| 18 | Revision | <i>Practice of Fazaian Honour Code -7</i> |
| 19 | SEND-UP EXAMINATION (HSSC) | |
| 20 | | |
| 21 | (Pages 214-227) Chapter 19: Aldehydes and Ketones: Nomenclature, Physical Properties, Structure, Preparations of Aldehydes and Ketones, Reactivity | <u>National Resolve Day to Promote Education</u> |
| 22 | (Pages 227-235) Chapter 19 (Contd.): , Reduction of Aldehydes and Ketones, Relative Reactivity and Exercise | <u>Celebration of Quaid's Day</u> |
| 23 | (Pages 236-250) Chapter 20: Carboxylic Acids and Functional Derivatives: Nomenclature, Physical Properties, Structure, Acidity, Preparations of Carboxylic Acids, Reactivity Reactions of Carboxylic Acids, (Reactions of Amides), | <i>Practice of Fazaian Honour Code -8</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|--------------------------|--|---|
| 24 | (Pages 250-257) Chapter 20: (Contd.): Reactions of Carboxylic Acids, (Reactions of Nitriles) and Exercise | <i>Practice of Fazaian Honour Code -9</i> |
| 25 | (Pages 312-339) Chapter 23: Environmental Chemistry: Chemistry of Troposphere, Chemistry of the Stratosphere, Water Pollution and Water Treatment. Green Chemistry and Exercise | <i>Practice of Fazaian Honour Code -10</i> |
| 26 | (Pages 340-348) Chapter 24: Analytical Chemistry, Classical Method of Analysis. | <u>Building Confidence by Discussion</u> |
| 27 | (Pages 349-366) Chapter 24 (Contd.): Nuclear Magnetic Resonance (NMR), Exercise | <u>Kashmir Day</u> |
| 28 | REVISION | |
| 29 | PRE BOARD EXAM : HSSC | |
| 30 | | |
| 31 | | Revision and Test |
| 32 | Revision and Test | |
| 33 | Revision and Test from Chapter No 13,14, 15, 16, | |
| 34 | Revision and Test from Chapter No 17,18, 19, 20, | |
| 35 | Revision and Test from Chapter No 21, 22, 23, 24 | |
| 36 | FBISE Past Papers (Last five years) Solution | <u>Farewell Party</u> |
| 37 | PREP LEAVES | |
| ANNUAL FBISE EXAM | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

BIOLOGY: CLASS-XII

National Book Foundation, Islamabad (HSSC-II)

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

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|----------------------|--|---|
| 11 | (Pages 170-207) Chapter 22: INHERITANCE , 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 | <i>Practice of Fazaian Honour Code -4</i> |
| 12 | (Pages 208- 243) Chapter 23: CHROMOSOME AND DNA .Chromosomal Theory of Inheritance, DNA as the Hereditary Material, DNA Replication, GENE Expression, Genetic Code, Regulating Gene Expression, Mutations ,(Activity) Exercise | <i>Practice of Fazaian Honour Code -5</i> |
| 13-14 | MID-YEAR REVIEW | |
| 15 | (Pages 244-264) Chapter 24: EVOLUTION . The Evolution of the Concept of Evolution, Evolution from Prokaryotes to Eukaryotes, Lamarckism, Darwinism, Neo-Darwinism, Exercise | <u>Celebration of Iqbal's Day</u> |
| 16 | (Pages 266-278) Chapter 25: MAN AND HIS ENVIRONMENT : Biological Cycle, The flow of Energy, Ecological Succession, Population Dynamics | <i>Practice of Fazaian Honour Code -6</i> |
| 17 | (Pages 279-290) Chapter 25 (Contd') :, Human Impacts on Environment, Carbon dioxide and Global Warming, Environmental Resources and their Repletion, (Activity) Exercise | <u>Importance of Rabi ul Awal</u> |
| 18 | Revision | <i>Practice of Fazaian Honour Code -7</i> |
| 19 | SEND-UP EXAMINATION (HSSC) | |
| 20 | | |
| 21 | (Pages110- 124) Chapter 19: BEHAVIOUR . The Nature of Behaviour , Innate Behaviour, Social Behaviour,(Activity) (Exercise) | <u>National Resolve Day to Promote Education</u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|----------------------|--|---|
| 22 | (Pages126-131) Chapter 20: REPRODUCTION , Reproductive System of Man, Meiosis (Extra Reading Material), Hormonal Control of Male Reproductive System | <u>Celebration of Quaid's Day</u> |
| 23 | (Pages131-143) Chapter 20: REPRODUCTION , Female Reproductive Cycle and its Hormonal Regulation, Disorders of Reproductive System, (Activity),Exercise | <i>Practice of Fazaian Honour Code -8</i> |
| 24 | (Pages 292-309) Chapter 26: BIOTECHNOLOGY , Cloning of Genes , Polymerase Chain Reaction, DNA Sequencing, DNA Analysis, Genome Maps, Tissue Culture | <i>Practice of Fazaian Honour Code -9</i> |
| 25 | Pages 309-317) Chapter 26: (cont'd) ,Transgenic Bacteria, Plantsand Animals, Biotechnology and Healthcare, Scope and Importance of Biotechnology,(Activity) Exercise | <i>Practice of Fazaian Honour Code -10</i> |
| 26 | (Pages 318-327) Chapter 27: BIOLOGY AND HUMAN WELFARE , Vaccination and integrated Disease Management, Animal Husbandry, Latest Technique Applied to Enhance Crop and Fruit Yields, Home Gardening, Role of Microbes in Human Welfare | <u>Building confidence by discussion</u> |
| 27 | (Pages 327-329) Chapter 27 (cont'd): Exercise | <u>Kashmir Day</u> |
| 28 | Revision | |
| 29-30 | PRE BOARD EXAM : HSSC (I & II) | |
| 31 | Revision | <u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u> |
| 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 | |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|--------------------------|---|---------------------------------|
| 35 | Revision and Test from Chapter No 25, 26,27 | |
| 36 | FBISE Past Papers and their solution | <u>Farewell party</u> |
| 37 | PREP LEAVES | |
| ANNUAL FBISE EXAM | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

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>Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]</p> <p>(Pages 08-14) Chapter 1: Operating System Introduction, Operating system, Commonly used OS, Types of operating systems and single user & multi user OS.</p> | Orientation Ceremony |
| 2 | <p>(Pages 15-23) Chapter 1: (Contd) Operating System Functions, Process management, Key points , Exercise and Lab activities:</p> | <u>Discussion on Eid-ul-Azha</u> |
| 3 | <p>(Pages 24-28) Chapter 2 System Development Life Cycle 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> | <u>Celebration of Independence day</u> |
| 4 | <p>(Pages 29-39) Chapter 2 (Contd): Designing phase, Coding, Testing, Deployment, Personnel involved in SDLC and their role, Key points and Exercise Lab activities</p> | <i>Practice of Fazaian Honour Code -1</i> |
| 5 | <p>(Pages 40 47) Chapter 3: Object Oriented Programming in C++, 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> | <u>Elections of Students' Council</u> (Extended Break Time on Election day) |
| 6 | <p>(Pages 48-56) Chapter 3 (Contd) 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> | <u>Defence Day Celebration</u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|----------------------|---|---|
| 7 | (Pages 57-69) Chapter 3 (Contd): Operators in C++, Types of operator, Unary, Binary, and Ternary operators, Order of precedence of operators, key points, Exercise and Lab activities . | <u>Importance of Ashora-e-Moharram</u> |
| 8 | (Pages 70-80) Chapter 4, Control Structures Decision Structures- The If statement, The If –else statement, The else-If statement, The switch statement and difference between if-else if and switch statements | <i>Practice of Fazaian Honour Code -2</i> |
| 9 | (Pages 81-90) Chapter 4 (Contd): Loops- 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 | <u>Motivational talk on religious tolerance</u> |
| 10 | (Pages 91-95) Chapter 4 (Contd): Key points Exercise and Lab activities | <u>World Teacher's Day</u> |
| 11 | (Pages 96-106) Chapter 5 Arrays and Strings 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 | <i>Practice of Fazaian Honour Code -3</i> |
| 12 | (Pages 107-115) Chapter 5 (Contd); Strings, introduction string, Initializing strings, Commonly used string functions, key points, Exercise and Lab activities | <u>Lecture on Personal Hygiene</u> |
| 13 | MID-YEAR REVIEW | |
| 14 | | |
| 15 | (Pages 116-129) Chapter 6: Functions Functions, Types of functions, Advantages of functions, Function signature, Function component, Scope of variables in function, Parameters, Local and global function | <u>Celebration of Iqbal Day</u> |
| 16 | (Pages 129-135) Chapter 6 (Contd): Passing arguments, Default arguments and return statements. | <u>Peer Coaching</u> <i>Practice of Fazaian Honour Code -4</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|----------------------|--|---|
| 17 | (Pages 136-141) Chapter 6 (Contd) : Function overloading, Advantages of function overloading, Use of function overloading, Key points, Exercise and Lab activities | <u>Importance of Rabi-ul-Awal</u> |
| 18 | Revision | <u>Lecture on First Aid/Fire Fighting</u> Practice of Fazaian Honour Code -5 |
| 19 | SEND-UP EXAMINATION (HSSC-II) | |
| 20 | | |
| 21 | (Pages 142-147) Chapter 7: Pointers Introduction to pointers, Pointer variable, Memory address, Reference operator or Address operator, Deference operator, Declaring variables of pointer types, Pointer initialization | <u>National Resolve Day to Promote Education</u> Practice of Fazaian Honour Code -6 |
| 22 | (Pages 148-149) Chapter 7 (Contd): Key points, Exercise and Lab activities | <u>Celebration of Quaid's Day</u> <u>Parent - Teacher Meeting and Appraisal of Send Up Results</u> |
| 23 | (Pages 150-158) Chapter 8: Objects and Classes Introduction, Classes and objects, Members of a class, Access specifiers, | Practice of Fazaian Honour Code -7 |
| 24 | (Pages 159-165) Chapter 8 (Contd): Data hiding, and Constructor and destructor. | Practice of Fazaian Honour Code -8 |
| 25 | (Pages 165-173) Chapter 8 (Contd): Declaration of objects for accessing members of a class, Inheritance and polymorphism Key points, Exercise and Lab activities . | <u>Building confidence by discussion</u> Practice of Fazaian Honour Code -9 |
| 26 | (Pages 174-182) Chapter 9 (Contd): File Handling Introduction, Types of files, Opening file and bof() and eof(). | Practice of Fazaian Honour Code -8 |
| 27 | (Pages 182-187) Chapter 9 (Contd): Stream, Types of stream, Key points, Exercise and Lab activities | <u>Kashmir Day</u> Practice of Fazaian Honour Code -10 |
| 28 | Revision | |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|--------------------------|--|---|
| 29 | PRE BOARD EXAMINATION (HSSC-II) | |
| 30 | | |
| 31 | Revision and Test from Chapters No 1, 2 | <u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u> |
| 32 | Revision and Test from Chapters No 3, 4 | <i>Practice of Fazaian Honour Code</i> |
| 33 | Revision and Test from Chapters No 5,6 | <i>Practice of Fazaian Honour Code</i> |
| 34 | Revision and Test from Chapters No 7,8, 9 | <i>Revision of Fazaian Honour</i> |
| 35 | Revision and Test from Chapters No 1-9 | <i>Revision of Fazaian Honour</i> |
| 36 | FBISE pattern based paper- (Ch 1-9) | <u>Farewell party</u> |
| 37 | PREP LEAVES | |
| ANNUAL FBISE EXAM | | |

WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

PAKISTAN STUDIES: CLASS-XII

National Book Foundation, Islamabad

CLASS-XII

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------|---|--|
| 1 | <p><i>Ice-Breaking at the Session Commencement</i> <i>[Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]</i></p> <p>(Pages 1-10) Chapter 1: Genesis Of The Islamic Republic Of Pakistan, Definition of Ideology, Islamic Concept of Nationhood, Two-Nation Theory, Components of Ideology of Pakistan, Outcome of the Sustained Muslim Efforts 1857-1947. The Aligarh Movement,</p> | <u>Orientation Ceremony</u> |
| 2 | (Pages 10-18) Chapter 1 (Contd): Formation of Muslim League, The Khilafat Movement. The Pakistan Resolution 1940 | <u>Discussion on Eid-ul-Azha</u> |
| 3 | (Pages 18-28) Chapter 1 (Contd): , Cripps Mission, Simla Conference, Elections 1945-46, Cabinet Mission, The Simla Conference, Formation of Interim Government, 3 rd June Plan 1947, Indian Independence Act 1947 and Emergence of Pakistan. | <u>Celebration of Independence Day</u> |
| 4 | (Page 29-37) Chapter 2: Initial Problems Of The Islamic Republic of Pakistan , Radcliff Award, Problems of the New born State, Efforts for Resolving the Problems | <i>Practice of Fazaian Honour Code -1</i> |
| 5 | (Pages 37-46) Chapter 2 (contd): National solidarity and stability, Quaid's Vision of Pakistan, Quaid's Strategy for the Solution of Problems | <u>Elections of Students' Council (Extended Break Time on Election day)</u> |
| 6 | (Pages 47-54) Chapter 3: Geography of the Islamic Republic of Pakistan. Location, Boundaries, Physical Profile, Temperature Zone, Imbalanced Economic Growth. Influence of Climate on Human Life, Pak Geo-Strategic Position, Transit Facilities for Land Locked States | <u>Defence Day Celebration</u> Project: Make a model showing geographical locations and important boundaries of Pakistan. |
| 7 | (Pages 55-68) Chapter 3 (contd): Tourist Attractions in Pakistan, Map Reading, Maps Briefing and Exercise. | <u>Importance of Ashora-e-Moharram</u> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|----------------------|---|--|
| 8 | (Pages 69-78) Chapter 4: Steps Towards Islamic Republic of Pakistan. 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 | <i>Practice of Fazaian Honour Code -2</i> |
| 9 | (Pages 78-86) Chapter 4 (contd): , Obstacles in the Way of Islamization, Rights and Responsibilities, Human Rights, Last Hajj Sermon, Charter of Human Rights, | <i>Practice of Fazaian Honour Code -3</i> |
| 10 | (Pages 86-90) Chapter 4 (contd): , Fundamental Human Rights of UN – Comparison, Exercise | <u>World Teacher’s Day</u> |
| 11 | (Pages 91-103) Chapter 5: Administrative Structure of Pakistan and the Concept of Good Governance. 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, | <i>Practice of Fazaian Honour Code -4</i> |
| 12 | (Pages 103-112) Chapter 5 (contd): Hazrat Umar’s System of Government, Devolution Plan and good governance, Obstacles in the Way of Good Governance, Exercise | <i>Practice of Fazaian Honour Code -5</i> |
| 13 | MID-YEAR REVIEW | |
| 14 | | |
| 15 | (Pages 113-122) Chapter 6: Culture of the Islamic Republic of Pakistan. Ancient Civilization of Pakistan, Important Ancient Sites of Cultural Significance, Common characteristics of Pakistani culture, Be Pakistani Buy Pakistani | <u>Celebration of Iqbal’s Day</u> |
| 16 | (Pages 122-130) Chapter 6: (contd) Gender Equity, Rights of women in Islam, Policies for Women, Participation in Socio-Political Affairs, Women Representation in Assemblies, Exercise | <i>Practice of Fazaian Honour Code -6</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|----------------------|--|---|
| 17 | (Pages 131-144) Chapter 7: Languages of The Islamic Republic Of Pakistan. National Language of Pakistan (Urdu),Regional Languages of Pakistan (Punjabi, Sindhi, Baluchi, Pushto), Exercise | <u>Importance of Rabi-ul-Awal</u> |
| 18 | Revision | <i>Practice of Fazaian Honour Code -7</i> |
| 19 | SEND-UP EXAMINATION (HSSC) | |
| 20 | | |
| 21 | (Pages145-148) Chapter 8: National Integration and Prosperity. Significance of National Integration, Problems of National Integration in Pakistan | <u>National Resolve Day to Promote Education</u> |
| 22 | (Pages148-154) Chapter 8 (Contd): , Remedial Measures , My, Your and Our roles, Exercise | <u>Celebration of Quaid's Day</u> |
| 23 | (Pages 155-159) Chapter 9: Economic Planning and Development in the Islamic Republic of Pakistan: Planning, why planning is required, Progress of the Agriculture sector, Industrial Development, Trade and Commerce, Information Technology | Activity: Round table group Discussion on pros and cons of CPEC project. |
| 24 | (Pages 159-166) Chapter 9 (Contd): , 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 | <i>Practice of Fazaian Honour Code -8</i> |
| 25 | (Pages166-172) Chapter 9: (Contd): Natural Resources, Health and Education for All, Economic Planning in Pakistan: A Bird's Eye View, Exercise | <i>Practice of Fazaian Honour Code -9</i> |
| 26 | (Pages 173-182) Chapter 10: Foreign Policy of the Islamic Republic of Pakistan, Fundamental Principles, Aims and Objectives , Factors Determining the Foreign Policy ,Foreign Relations of Pakistan with China, Foreign Relations of Pakistan with India, | <i>Practice of Fazaian Honour Code -10</i> |

| Academic Week | Unit/Chapter & Topic | Personality Grooming Activities |
|--------------------------|---|--|
| 27 | (Pages 182-195) Chapter 10: (Contd) , 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>Kashmir Day</u> Group Discussion on the latest steps taken by Pakistan for improving its foreign relations with Saudi Arabia and Iran |
| 28 | Revision | |
| 29- 30 | PRE BOARD EXAM : HSSC | |
| 31 | Revision and Test | <u>Parent - Teacher Meeting and Appraisal of Pre-Board results</u> |
| 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 | FBISE Past Papers (2015-2019) Solution | |
| 37 | PREP LEAVES | <u>Farewell Party</u> |
| ANNUAL FBISE EXAM | | |

GUIDELINES FOR TEACHERS

Note: All teachers must have a copy of the following guidelines regarding Syllabi Breakdown.

1. **Values Education and Personality Grooming Activities in Syllabi Breakdown:**

- (a) Personality Grooming Activities taking place in all classes in the same week have been underlined. Content of Values Education will be dispatched separately.
- (b) The material on Values Education supplements Personality Grooming activities and may have a considerable amount of overlap. Teachers may merge or choose one of the two in case of time limitation.
- (c) 70% of the activities related to personality grooming activities and Values Education must be covered by each subject teacher.
- (d) Concept / topics underlined in Personality Grooming Programme column are suggested to be talked about briefly by all teachers in their respective classes. Full length functions/events should be avoided. Final decision lies with the principals or the nominated faculty members.
- (e) The minute talks by 2 - 3 students are to be held in each class on daily basis to ensure participation of all students as per the following guidelines:

| Talk | Classes |
|---------------|--------------|
| One minute | (Prep - III) |
| Two minutes | (IV - VIII) |
| Three minutes | (IX - XII) |

- (f) The conduct of visits may be determined by the Principals as per required arrangements/security reasons etc. If some visit is not possible due to security or other reasons, teachers may hold simulations / virtual tours / role plays etc. to familiarize the children with the target concepts.
- (g) Personality Grooming Activities (extreme right column except in (Urdu & Islamiat) have mostly been related to the learning objectives to be covered during the given academic weeks (extreme left column except in (Urdu & Islamiat)).

2. **Academic part of the Syllabi Breakdown:**

(a) Diversified methodology of teaching should be used but special attention should be paid to project based and inquiry based learning and teaching.

(b) At least 02 projects related to the syllabus content should be conducted in the whole academic year to promote. Teachers should be encouraged to combine two or more subjects for these projects.

(c) Lesson Plan Objectives must focus on Higher Order Thinking Skills of students along with Lower Order Thinking Skills.

(d) To ensure Outcomes/Objectives Based Education, the syllabi content should be used as guide-lines and starting points only. Teachers should be encouraged to supplement the book content with extra resources.

(e) For clarity of interpretation the 'omitted' and 'non-examinable' contents have been indicated.

(f) Non-examinable pages / topics are supposed to be taught through discussions /activities. These are important for smooth conceptual progression. The tendency to cross out such topics altogether is strongly discouraged.

(g) Oral subjects are to be assessed through recorded observations, teachers' diaries, participation in activities, educational games & focused discussions and thoughtfully prepared worksheets.

(h) Special efforts should be made to teach Islamyat, Urdu, and Social Studies/ Pakistan Studies in interactive manner.

(j) Syllabus breakdown for Art books is not provided. The activities are designed to be completed on weekly basis. However, teachers may design additional art projects activities if desired.

(k) Teachers, especially in Prep - III classes, should pay special attention to Urdu and English handwriting and feel free to additionally develop local worksheets for the same, if required.

(l) Creative writing activities/exercises / competitions must be made frequent.

(m) Essay writing techniques (genre) should be focused, and not the topics, to discourage rote learning. FTTI will give unseen topics for essay writing, in exam papers.

(n) Verbal Math should be focused through word problems and interesting activities and Inter-section Math competitions may be held.

(o) Academic year for classes Prep – VIII comprises 40 weeks. However, 04 weeks will be consumed for Mid-term and Final term exams, leaving 36 weeks for taught classes.

(p) Academic year for class IX comprises 44 weeks. However, 04 weeks will be used for Summer School for selected subjects and 04 weeks will be consumed for holding Send-up and Pre-board exams, leaving approximately 36 weeks for regular taught classes.

(q) Academic year for class X comprises 41 weeks. However, 04 weeks will be used for Summer School for selected subjects and 04 weeks will be consumed for holding Send-up and Pre-board exams, leaving approximately 33 weeks for regular taught classes.

(r) Days to be highlighted / celebrated have been specified in table below:

| Sr No. | Name of Event | Date |
|--------|---|-------------------------|
| 1 | Labour Day | 01 May, 2019 |
| 2 | Mother's Day | 12 May, 2019 |
| 3 | Start of Ramadan | 07 May, 2019 |
| 4 | Independence Day | 14 Aug, 2019 |
| 5 | Eid-ul-Azha | 12-14 Aug, 2019 |
| 6 | Defence Day | 06 September, 2019 |
| 7 | Ashora-e-Moharram | 10 – 11 September, 2019 |
| 8 | Teachers' Day | 05 October, 2019 |
| 9 | Iqbal Day | 09 November, 2019 |
| 10 | 12 th Rabi-ul-Awwal | 10 November, 2019 |
| 11 | National Resolve Day to Promote Education | 16 December, 2019 |
| 12 | Quaid's Day | 25 December, 2019 |
| 13 | Kashmir Day | 05 February, 2020 |
| 14 | Pakistan Day | 23 March, 2020 |

Note: The above guidelines must be handed over to each teacher and be placed in the teachers' folders.