



### **WEEKLY SYLLABI BREAKDOWN**

**Academic Session: 2018-19** 

Class - X

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

**April, 2018** 

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**ENGLISH: CLASS-X** 

#### Punjab Text Book Board

| Academic<br>Week | Unit/Chapter & Topic   | Personality Grooming Activities  |
|------------------|--|--|
| 1                | Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/   | Introduction to teacher Introduction/ interaction of students            |
|                  | Time Table and General Academic Scheduling  Parts of Speech (Rules, Exercises)   | 3 min talk  Practice of Fazaian  Honour Code 1                           |
| 2                | (Pages 1-8) Unit 1: Hazrat Muhammad (SAWW) an Embodiment of Justice: Reading, Vocabulary, Explanation, Theme, Vocabulary, Reading Comprehension Grammar: Practice of Present Tense             | Importance of Labour day 3 min talk  Practice of Fazaian Honour Code 2   |
| 3                | (Pages 9-14) Unit 1 (Contd): Grammar exercises, Noun Phrase, Past Indefinite and Past Continuous Tenses, Punctuation, Oral communication Skills and Writing skills Grammar: Kinds of sentences | Talk on National Security  3 min talk  Practice of Fazaian Honour Code 3 |
| 4                | (Pages 15-20) Unit 2: <b>Chinese New Year</b> : Reading, Vocabulary, Explanation, Theme, Reading Comprehension <b>Grammar</b> : Use of must/mustn't, Practice of past tense                    | 1 Importance of Ramdan  3 min talk  Practice of Fazaian Honour Code 4    |
| 5                | (Pages 21-26) Unit 2 (Contd): Grammar, Oral Communication Skills, Writing Skills  Grammar: Simile, Alliteration, Personal Pronoun, Phrasal Verb  | 3 min talk  Practice of Fazaian  Honour Code 5                           |
| 6                | (Pages 27- 32) Unit 3: <b>Try Again</b> : Reading, Vocabulary, Explanation, Personal Pronouns <b>Grammar</b> : Adverbs, Gerund and infinitives, Practice of Futures Tense                      | SUMMARY SCHOOL   |

| Academic<br>Week | Unit/Chapter & Topic  | Personality Grooming Activities                                   |
|------------------|---|---|
| 7                | (Pages 33-36) Unit 3 (Contd) : Degrees of Adjectives, Oral Communication Skills, Writing Skills   |   |
|                  | Grammar: Phrasal verb, Narration(assertive sentence)  |   |
| 8                | ( Pages 37-43) Unit 4: <b>First Aid:</b> Reading, Vocabulary, Explanation <b>Grammar:</b> Use of metaphor and personification, transitive/intransitive verb, narration (positive sentences)             |   |
| 9                | (Pages 44-49)Unit 4 (Contd) Reading Comprehension,<br>Grammar, Oral Communication Skills, Writing Skills<br>Grammar: Narration (Interrogative Sentences)  | Practice of Fazaian  Code 6                                       |
| 10               | (Pages 50-54) <b>Review 1 Grammar:</b> Modal verbs, Conditional Sentences (type-I), Narration. Exclamatory Sentences, Phrasal Verbs   |   |
| 11               | (Pages 55- 61) Unit 5: <b>The Rain:</b> Reading, Vocabulary, Explanation, Metaphor, Grammar Exercises <b>Grammar:</b> Essay Writing   | Practice of Fazaian Code 7  |
| 12               | (Pages 62- 66)Unit 5 (Contd): Prepositions of Movement and Direction, Active Passive Voice, Oral Communication Skills, Presentation Skills, Writing Skills  Grammar: Exercises of Passage Comprehension | Celebrations of Independence Day  Practice of Fazaian Code 8      |
| 13               | (Pages 67-74) Unit 6: <b>Television Vs Newspapers:</b> Reading, Vocabulary, Explanation, Grammar Exercises <b>Grammar:</b> Passage Comprehension, Phrasal Verbs   | 1 Importance of Eid ul Azha 3 min talk Practice of Fazaian Code 9 |
| 14               | (Pages 75-78) Unit 6 (Contd): Silent Letters,<br>Oral Communication Skills, Writing Skills  | 3 min talk  Practice of Fazaian  Code 10                          |
| 15               | (Pages 79-84) Unit 7: Little By Little One Walks Far! :<br>Reading, Vocabulary, Explanation, Reading Comprehension<br>Grammar: Relative pronoun, Parts of speech  | Celebrations of Defence Day                                       |
| 16               | (Pages 85-90) Unit 7 (Contd): Grammar Exercises, Oral Communication skills, Writing Skills  Grammar: Adjective clauses, Practice of formal letter writing, practice of Narration                        |   |

| Academic<br>Week | Unit/Chapter & Topic  | Personality Grooming Activities                                |
|------------------|---|--|
| 17               | (Pages 91-95) Unit 8: <b>Peace:</b> Reading, Vocabulary, Explanation, Grammar Exercises <b>Grammar:</b> Comprehension of stanza and passage, Practice of tenses                                 | Importance of Ashora e Moharram                                |
| 18               | (Pages 96- 100) Unit 8 (Contd): Grammar Exercises, Oral Communication Skills (Pages 101-105) Review 2 Grammar: Practice of tenses, Practice of narration, Essay Writing, Letter Writing         |  |
| 19               | (Pages 106-111) Unit 9: <b>Selecting the Right Career:</b> Reading, Vocabulary, Explanation <b>Grammar</b> :Adverb clause, Subordinating Conjunctions   | World's Teachers Day   |
| 20               | (Pages 112-117) Unit 9 (Contd): Grammar exercises, Oral Communication skills, Writing Skills  Grammar: Revision of Important grammar topics   |  |
| 21               | REVISION  | 3 min talk Revision of Honour Codes                            |
| 22               | SEND UP EXAM SSC  |  |
| 23               |   |  |
| 24               | (Pages 118-123) Unit 10: <b>A World without Books:</b> Reading, Vocabulary, Comprehension, Grammar Exercises <b>Grammar:</b> Reinforcement Exercises on Essay writing and formal letter writing | Celebration of Iqbal's Day 3 min talk Revision of Honour Codes |
| 25               | (Pages 124- 128) Unit 10 (Contd): Oral Communication Skills, Writing Skills  Grammar: Reinforcement Exercises on Essay writing and formal letter writing  | 3 min talk Revision of Honour Codes                            |

| Academic<br>Week | Unit/Chapter & Topic  | Personality Grooming Activities              |
|------------------|---|--|
| 26               | (Pages 129-136) Unit 11: <b>Great Expectations:</b> Reading, Vocabulary, Comprehension, Grammar Exercises <b>Grammar:</b> Exercises of Passage comprehension, Phrasal                                       | Rabi- ul-awal 3 min talk Revision of Honour  |
| 27               | Verbs, Application Writing  (Pages 137-138) Unit 11 (Contd): Oral Communication Skills, Writing Skills  (Pages 139-142) Unit12: Population Growth and World Food Supplies: Reading, Vocabulary, Explanation | Codes  3 min talk  Revision of Honour  Codes |
| 28               | (Pages 143- 148) Unit 12 (Contd):Reading Comprehension,<br>Grammar, Oral Communication Skills, Writing Skills<br>Grammar: Exercises of Passage comprehension, Phrasal<br>Verbs, Application Writing         | 3 min talk Revision of Honour Codes          |
| 29               | (Pages 149- 157) Unit 13: <b>Faithfulness:</b> Reading, Vocabulary, Explanation, Grammar Exercises <b>Grammar:</b> Revision of Important topics   | National Resolve Day                         |
| 30               | (Pages 158-159) Unit 13 (Contd): Oral Communication Skills, Writing Skills  Grammar: Revision of Important topics   | Quaid's Day                                  |
| 31               | (Pages 160- 163) Review 3  Grammar: Revision of Important topics  | 3 min talk Revision of Honour Codes          |
| 32               | PRE BOARD EXAM SSC  |  |
| 33               |   |  |
| 34               | Revision and Tests: units # 1,2,3 and related grammar topics (Solution of questions of units # 1,2,3 and related grammar topics from FBISE Papers 2014, 2015,2016,2017,2018)                                |  |
| 35               | Revision and Tests: units # 4,5,6 and related grammar topics (Solution of questions of units # 4,5,6 and related grammar topics from FBISE Papers 2014, 2015,2016,2017,2018)                                |  |
| 36               | Revision and Tests: units # 7,8 and related grammar topics (Solution of questions of units # 7,8,and related grammar topics from FBISE Papers 2014, 2015,2016,2017,2018)                                    |  |

| Academic<br>Week                | Unit/Chapter & Topic   | Personality Grooming Activities     |  |
|---------------------------------|--|-------------------------------------|--|
| 37                              | Revision and Tests: units # 9,10 and related grammar topics (Solution of questions of units # 9,10 and related grammar topics from FBISE Papers 2014, 2015,2016,2017,2018)           | 3 min talk Revision of Honour Codes |  |
| 38                              | Revision and Tests: units # 11,12 13 and related grammar topics (Solution of questions of units # 11, 12, 13 and related grammar topics from FBISE Papers 2014, 2015,2016,2017,2018) |                                     |  |
| 39                              | Solution of FBISE Papers 2014, 2015,2016,2017,2018   | 3 min talk Revision of Honour Codes |  |
| 40                              | Solution of FBISE Papers 2014, 2015,2016,2017,2018   | Farewell party                      |  |
| 41                              | 41 PREP LEAVE  |                                     |  |
| FBISE SSC EXAMINATION COMMENCES |  |                                     |  |

### مضمون: أردو

اُردو(لازمی) ناشر:علمی کتب خانه قواعد وانشاء پنجاب ٹیکسٹ بک بورڈ

جماعت: دہم

| Personality Grooming Activities  | Unit/Chapter & Topic  | Academic<br>Week |
|--|---|------------------|
| Introduction of teacher,<br>students and school<br>environment<br>Spring Day | Ice-Breaking at the Session Commencement<br>[Introduction with classes, Overview of Textbooks/ Syllabi/<br>Time Table and General Academic Scheduling]<br>سبق نمبر ۱: حمر<br>اشعار میں متعدد عناصر کی پہچان | 1                |
| Importance of Labour Day Fazaian Honour Code 1                               | سبق نمبر ۲: نعت<br>گرائمر: جملے کی تقطیع اجزامیں کرنا   | 2                |
| Talk on National Security/ Mothers' day Fazaian Honour Code 2                | سبق نمبر ۱۳: مر زامحد سعید<br>نظم ۱ : میدان کر بلامیں گرمی کی شدت   | 3                |
| 3 min talk  Practice of Fazaian  Honour Code 4                               | سبق نمبر ہم: نظریہ پاکستان<br>گرائمر: ہئیت کے لحاظ سے غزل اور نظم کا فرق  | 4                |
| 3 min talk Practice of Fazaian Honour Code 5                                 | نظم ۲: فاطمه بنت ِعبدالله<br>گرائمر: عبارت میں تشبیه،استعاره،مجاز مرسل کی نشاند ہی کرنا   | 5                |
|  | SUMMER VACATION  The Subject of Islamiat not to be taught during Summer School  | 6-9              |
| Practice of Fazaian Code 6   | سبق نمبر ۵: پرستان کی شهزادی<br>گرائمر: جملے کی تقطیع اجزامیں کرنا (دہرائی)   | 10               |
| Practice of Fazaian Code 7   | سبق نمبر ۲: اُردوادب میں عید الفطر<br>گر ائمر: اشعار میں متعدد عناصر کی پہچاِن<br>مضمون: متخلیقی لکھائی   | 11               |

| Personality Grooming Activities                               | Unit/Chapter & Topic  | Academic<br>Week |
|---|---|------------------|
| Practice of Fazaian Code 8 Celebration of Independence day    | نظم ۱۲: کسان<br>مضمون: تخلیقی لکھائی<br>گرائمر: جمله اسمیه اور جمله فعلیه کی ترکیب نحوی           | 12               |
| 3 min talk Practice of Fazaian Code 9 Importance of EidulAzha | سبق نمبر ۷: مجھے میر <u>سے</u> دوستوں سے بچاؤ   | 13               |
| 3 min talk Practice of Fazaian Code 10                        | نظم ہم: جیوے جیوے پاکستان<br>کہانی: جس کاکام اُسی کوسا جھے  | 14               |
| Defence day celebration                                       | غزل نمبر ۱: مصیبت بھی راحت فزاہو گئی ہے<br>ذو معنی الفاظ کا استعال و نشاند ہی                     | 15               |
| Quaid's death<br>anniversary                                  | سبق نمبر ۸: مُلَمع<br>مضمون: تخلیقی لکھائی  | 16               |
| Importance of Ashora e Muharram                               | غزل نمبر ۲: آدمی آدمی سے ماتا ہے<br>گرائمر: جملہ معترضہ کے حوالے سے غلط فقرات کی درشگی            | 17               |
| Motivational talk on religious tolerance                      | غزل نمبر ۱۳: سر میں سودا بھی نہیں، دل میں تمنا بھی نہیں<br>مضمون: تخلیقی ککھائی                   | 18               |
| Celebration of World<br>Teacher's Day                         | سبق نمبر ۹: چغل خور<br>کہانی: جیسا کروگے ویسا بھر وگے   | 19               |
| 3 min talk Revision of Honour Codes                           | مضمون: تخلیقی ککھائی<br>کہانی: اتفاق میں برکت<br>سبق نمبر ۱۰: نام دیومالی<br>مضمون: تخلیقی ککھائی | 20               |
| 3 min talk Revision of Honour Codes                           | سبق نمبر ۱۰: نام دیومالی<br>مضمون: تخلیقی <i>ک</i> کھائی<br><b>دہرائی</b>                         | 21               |
|   | SEND-UP EXAMINATION SSC   | 22- 23           |

| Personality Grooming Activities   | Unit/Chapter & Topic   | Academic<br>Week |
|---|--|------------------|
| 3 min talk Revision of Honour Codes   | نظم ۵: اونٹ کی شادی<br>کہانی: ناانصافی کا انجام  | 24               |
| 3 min talk Revision of Honour Codes   | سبق نمبر ۱۱: علی بخش<br>مبتد ااور خبر کے حوالے سے جملے کی تقطیع کرنا   | 25               |
| 3 min talk Revision of Honour Codes Importance of Rabi ul Awal and Seerat un Nabi | سبق نمبر ۱۲: استنول<br>مضمون: تخلیقی لکھائی  | 26               |
| 3 min talk Revision of Honour Codes   | نظم ۲: مال گو دام روڈ<br>کہانی: سچ میں بر کت   | 27               |
| 3 min talk Revision of Honour Codes   | گرائمر: اپنے خیالات کو مختلف اندازِ بیال سے تحریر کرنا<br>مضمون: تخلیقی کھائی  | 28               |
| National Resolve Day to promote Education   | سبق نمبر ۱۳: خطوطِ غالب<br>مضمون: تخلیقی لکھائی  | 29               |
| Quaid's Day Celebration   | سبق نمبر ۱۶: خطوطِ رشید احمد صدیقی<br>گرائمر: مختلف اصناف کے لحاظ سے فن پاروں کو سمجھنا                                  | 30               |
| Sharing New Year<br>Resolutions   | (Revision of all core concepts)<br>غزل نمبر ۲۰: یه فخر توحاصل ہے، بُرے ہیں کہ بھلے ہیں<br>مضمون: تخلیقی لکھائی           | 31               |
|   | PRE BOARD EXAM SSC   | 32- 33           |
| 3 min talk Revision of Honour Codes   | سبق نمبر ۳-۱، غزل نمبر ۱، نظم نمبر ااور گرائمر: مختلف اصناف کے لحاظ سے فن پاروں کو سمجھنا<br>کی دہر ائی اور ٹیسٹ         | 34               |
| Talk on Hard work and Motivation  | سبق نمبر ۲- ۲، غزل نمبر ۲، نظم نمبر ۳- ۱۲ور گرائمر: اپنے خیالات کو مختلف انداز بیاں سے<br>تحریر کرنا کی دہر ائی اور ٹیسٹ | 35               |
| Kashmir Day   | سبق نمبر ۹-۷، غزل نمبر ۳ نظم نمبر ۵-۱۴ور گرائمر: مبتدااور خبر کے حوالے سے جملے کی<br>تقطیع کرنا کی دہر ائی اور ٹیسٹ      | 36               |

| Personality Grooming Activities Unit/Chapter & Topic |   | Academic<br>Week |
|--|---|------------------|
| 3 min talk Revision of Honour Codes                  | سبق نمبر ۱۲–۱۰، غزل نمبر ۴، نظم نمبر ۱۲ور گرائمر: جمله معترضه کے حوالے سے غلط فقرات<br>کی در شکّی کی دہرائی اور ٹیسٹ  | 37               |
| Talk on Honesty,<br>Truthfulness and<br>Compassion   | سبق نمبر ۱۳–۱۳، جمله اسمیه اور جمله فعلیه کی ترکیب نحوی، عبارت میں تشبیه ، استعاره ، مجاز<br>مرسل کی نشاند ہی کرنا، جملے کی تقطیع اجزامیں کرنا، ذو معنی الفاظ کا استعال ونشاند ہی ، اور اشعار<br>میں متعد دعناصر کی پیچان کی دہر ائی اور ٹیسٹ | 38               |
| 3 min talk Revision of Honour Codes                  | اہم موضوعات کی دہرائی   | 39               |
| Farewell Party                                       | د هر ائی  | 40               |
|  | PREP LEAVE  | 41               |
|  | ANNUAL EXAM (PLAIN AREAS)   |                  |

#### **MATHEMATICS: CLASS-X**

#### Punjab Text Book Board (ILMI KITAB KHANA)

| Academic<br>Week | Unit/Chapter & Topic   | Personality Grooming Activities                               |
|------------------|--|---|
|                  | Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]   | Introduction to teacher Introduction/ Interaction of students |
| 1                | Pages (1-7) <b>Unit 1: Quadratic Equations,</b> Solution Of Quadratic Equations, Solution By Factorization, Solution By Completing Square, Exercise 1.1, Quadratic Formula, Use Of Quadratic Formula, Exercise 1.2                               |   |
| 2                | Pages (8-16) <b>Unit 1 (Contd):</b> Equations Reducible To Quadratic Form, Exercise 1.3, Radical Equations, Exercise 1.4, Misc Exercise 1  | Labour Day Three minute talk by 2-3 students on daily basis   |
| 3                | Pages (17-29) Unit 2: Theory Of Quadratic Equations,<br>Nature Of The Roots Of A Quadratic Equation, Exercise 2.1,<br>Cube Root Of Unity And Their Properties, Exercise 2.2,<br>Roots And Co-Efficients Of A Quadratic Equation, Exercise<br>2.3 | Importance of Mother's  Day                                   |
| 4                | Pages (30–39) <b>Unit 2 (Contd):</b> Symmetric Functions Of The Roots Of A Quadratic Equation, Exercise 2.4, Formation Of A Quadratic Equation , Exercise 2.5, Synthetic Division, Exercise 2.6  | Importance of Ramadan  Practice of Fazaian  Honour Code 1     |
| 5                | Pages (39–48) <b>Unit 2 (Contd):</b> Simultaneous Equations, Exercise 2.7, Problems Leading To Quadratic Equations, Exercise 2.8, Miscellaneous Exercise 2   | Practice of Fazaian Honour Code 2                             |
| 6                | Pages (49–56) <b>Unit 3: Variations</b> , Ratio Proportions And Variations, Exercise 3.1, Direct And Inverse Variation, Exercise 3.2   | SUMMER<br>SCHOOL-SSC  |
| 7                | Pages (56–65) <b>Unit 3 (Contd):</b> Finding Proportion, Exercise 3.3, Theorems On Proportions, Exercise 3.4, Joint Variation, Exercise 3.5  |   |

| Academic<br>Week | Unit/Chapter & Topic  | Personality Grooming Activities                            |  |
|------------------|---|--|--|
| 8                | Pages (65–73) <b>Unit 3 (Contd):</b> K-Method, Exercise 3.6, Problems on Variation, Exercise 3.7, Miscellaneous Exercise 3  | SUMMER<br>SCHOOL-SSC                                       |  |
| 9                | Pages (145–157) <b>Unit 7: Introduction to Trigonometry</b> , Measurement of an Angle, Exercise 7.1, Sector of a Circle Exercise 7.2, Trigonometric Ratios  | SCHOOL-SSC   |  |
| 10               | Pages (158–165) <b>Unit 7 (Contd):</b> Trigonometric Ratios, Exercise 7.3, Trigonometric Identities, Exercise 7.4   | Practice of Fazaian Honour Code 3                          |  |
| 11               | Pages (166–170) <b>Unit 7 (Contd)</b> : Angle of Elevation and Depression, Exercise 7.5, Misc Exercise 7 Pages (171-173) <b>Unit 8: Projection of Side of a Triangle</b> , Theorem 1, Exercise 8.1                  | Practice of Fazaian Honour Code 4                          |  |
| 12               | Pages (174–178) <b>Unit 8(Contd)</b> : Theorem 2, Theorem 3, Exercise 8.2, Misc Exercise 8  Pages (74–78) <b>Unit 4: Partial Fractions,</b> Fraction, Resolution of a Fraction in to Partial Fraction, Exercise 4.1 | Celebration of Independence Day Practice of Fazaian Code 5 |  |
| 13               | Pages (79–84) <b>Unit 4(Contd)</b> : Resolution of a Fraction, Exercise 4.2, Exercise 4.3, Exercise 4.4, Misc Exercise 4  | Importance of Eid-ul- Azha  Practice of Fazaian Code 6     |  |
| 14               | Pages (85–91) <b>Unit 5 :Sets and Functions,</b> Sets, Exercise 5.1, Properties of Union and Intersection, Exercise 5.2   | Practice of Fazaian Code 7                                 |  |
| 15               | Pages (91–99) <b>Unit 5 (Contd):</b> Fundamental Properties of sets, Venn Diagram, Exercise 5.3, Ordered Pair and Cartesian Product, Exercise 5.4   | Defence Day Celebration Practice of Fazaian Code 8         |  |
| 16               | Pages (99–106) <b>Unit 5 (Contd):</b> Binary Relation, Exercise 5.5, Misc Exercise 5  | Practice of Fazaian Code 9                                 |  |
| 17               | Pages (179–184) <b>Unit 9: Chords of a Circle</b> , Basic Concepts of the Circle, Theorem 1, Theorem 2, Theorem 3, Exercise 9.1   | Importance of Ashora-e-<br>Moharram                        |  |
| 18               | Pages (184–188) <b>Unit 9 (Contd):</b> Theorem 4, Theorem 5, Exercise 9.2, Misc Exercise 9  | Motivational talk on religious tolerance                   |  |

| Academic<br>Week | Unit/Chapter & Topic   | Personality Grooming Activities                   |
|------------------|--|---|
| 19               | Pages (189–195) <b>Unit 10 : Tangent to a Circle</b> : Theorem 1, Theorem 2, Theorem 3, Exercise 10.1, Theorem 4(A)  | World Teacher's Day Practice of Fazaian Code 10   |
| 20               | Pages (196–201) <b>Unit 10 (Contd):</b> Exercise 10.2, Theorem 4(B), Exercise 10.3, Misc Exercise 10   | Revision of Honour<br>Codes                       |
| 21               | Revision   | Revision of Honour<br>Codes                       |
| 22               | SEND UP EXAM SSC   |   |
| 23               |  |   |
| 24               | Pages (202–205) <b>Unit 11 : Chords and Arcs,</b> Theorem 1, Theorem 2   | Celebration of Iqbal's Day                        |
| 25               | Pages (205–210) <b>Unit 11 (Contd):</b> Theorem 3, Theorem 4, Exercise 11.1, Misc Exercise 11  |   |
| 26               | Pages (211–217) <b>Unit 12: Angle in a Segment of a Circle</b> , Theorem 1, Theorem 2, Theorem 3, Theorem 4  | Importance of Rabi-ul-<br>Awal and Seerat-un_Nabi |
| 27               | Pages (217–220) Unit 12 (Contd): Exercise 12.1, Misc Exercise 12  Pages (221-224) Unit 13: Practical Geometry-Circles, Construction of a Circle, Exercise 13.1 |   |
| 28               | Pages (224–240) <b>Unit 13 (Contd)</b> : Circles Attached to Polygons, Exercise 13.2, Tangent to the Circle, Exercise 13.3, Misc Exercise 13                   |   |
| 29               | Pages (107–117) <b>Unit 6: Basic Statistics,</b> Frequency Distribution, Cumulative Frequency Distribution, Exercise 6.1                                       | National Resolve Day to promote Education         |
| 30               | Pages (118–136) <b>Unit 6 (Contd)</b> : Measures of Central Tendency, Exercise 6.2   | Quaid's Day Celebration                           |
| 31               | Pages (136–144) <b>Unit 6 (Contd)</b> : Measures of Dispersion, Exercise 6.3, Misc Exercise 6  | Sharing New Year<br>Resolutions                   |
| 32               | PRE BOARD EXAM SSC   |   |
| 33               | I IL DOAID EAAIN 330   |   |

| Academic<br>Week | Unit/Chapter & Topic   | Personality Grooming Activities |
|------------------|--|---------------------------------|
|                  | Revision / Tests   | Talk on Hard work and           |
| 34               | (Solution of questions of chapters 1, 2 & 3 from FBISE papers 2012 to 2015, 2016,2017) | Motivation                      |
|                  | Revision / Tests   |                                 |
| 35               | (Solution of questions of chapters 7 & 8 from FBISE papers 2012 to 2015, 2016,2017)    |                                 |
|                  | Revision / Tests   | Kashmir Day                     |
| 36               | (Solution of questions of chapters 4 & 5 from FBISE papers 2012 to 2015, 2016,2017)    |                                 |
|                  | Revision / Tests   | Talk on Honesty.                |
| 37               | (Solution of questions of chapters 9 &10 from FBISE papers 2012 to 2015, 2016,2017)    | Truthfulness and Compassion     |
|                  | Revision / Tests   |                                 |
| 38               | (Solution of questions of chapters 11 & 12 from FBISE papers 2012 to 2015, 2016,2017)  |                                 |
|                  | Revision / Tests   |                                 |
| 39               | (Solution of questions of chapters 13 & 6 from FBISE papers 2012 to 2015)              |                                 |
|                  | Revision / Tests   |                                 |
| 40               | (Solution of questions of chapters 13 & 6 from FBISE papers 2016 to 2017)              | Farewell Party                  |
| 41               | PREP LEAVE   |                                 |
|                  | FBISE SSC EXAMINATION COMMENCES  |                                 |

**PHYSICS: CLASS-X** 

#### Punjab Text Book Board

| Academic<br>Week | Unit/Chapter & Topic   | Personality Grooming Activities  |
|------------------|--|--|
| 1                | Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling] (Pages 2-7) Unit 10: SIMPLE HARMONIC MOTION AND WAVES, Simple harmonic motion, Damped oscillations Practical / Lab Work | Introduction of teacher, students and environment  |
| 2                | (Pages 7-18) <b>Unit 10 (Contd)</b> Wave motion, Types of mechanical waves, waves as carriers of energy, Relation V = fλ, Ripple Tank, Exercise.  Practical / Lab Work   | Importance of Labour  Day  Three Minutes' Talk by 2- 3 children in each class in every week revealing their talents and building their confidence  Practice of Fazaian Honour Code |
| 3                | (Pages 20-28) <b>Unit 11: SOUND</b> , Sound waves, Characteristics of Sound, Reflection of Sound, Speed of Sound  Practical / Lab Work   | Talk on National Security  Mother's Day  Practice of Fazaian Honour Code   |
| 4                | (Pages 28-35) <b>Unit 11 (Contd)</b> Noise Pollution, Importance of Acoustics, Audible Frequency Range, Ultrasound and its uses, Exercise <i>Practical / Lab Work</i>  | Importance of Ramazan  Practice of Fazaian  Honour Code  |
| 5                | (Pages 37-44) Unit 12: GEOMETRICAL OPTICS, Reflection of light, Spherical mirrors, Image location by spherical mirrors, Refraction of light  Practical / Lab Work  | Practice of Fazaian Honour Code  |
| 6                | (Pages 44-51) <b>Unit 12 (Contd)</b> Total Internal Reflection, Applications of total internal reflection, Lenses, Types, Lens terminology, power of lenses, Image formation by lenses <i>Practical / Lab Work</i>   | SUMMER SCHOOL<br>SSC   |

| Academic<br>Week | Unit/Chapter & Topic   | Personality Grooming Activities |
|------------------|--|---------------------------------|
| 7                | (Pages 51-67) <b>Unit 12 (Contd)</b> Image location by lens equation, Application of lenses, Simple microscope, Compound Microscope, Telescope, Human Eye, Defects of Vision, Exercise  Practical / Lab Work                         |                                 |
| 8                | (Pages 69-74) <b>Unit 13: ELECTROSTATICS</b> , Production of Electric Charges, Electrostatic Induction, Electroscope, Coulomb's Law  Practical / Lab Work  | SUMMER<br>SCHOOL-SSC            |
| 9                | (Pages 74-82) <b>Unit 13 (Contd)</b> Electric Field and Electric Field Intensity, Electrostatic Potential, Capacitors and Capacitance, Combinations of Capacitors <i>Practical / Lab Work</i>  |                                 |
| 10               | (Pages 86-89) <b>Unit 13 (Contd) :</b> Exercise.  Practical / Lab Work   | Practice of Fazaian Honour Code |
| 11               | (Pages 90-95) Unit 14: CURRENT ELECTRICITY, Electric Current, Conventional Current, Potential Difference,  | Practice of Fazaian Honour Code |
| 12               | (Pages 95-98) <b>Unit 14: (Contd), Electric</b> Current, Conventional Current, Potential Difference, Electromotive Force (e.m.f). Ohm's Law.  Practical / Lab Work   | Celebration of Independence Day |
| 13               | Pages (98-104) <b>Unit 14 (Contd)</b> Ohm's Law, V-I Characteristics of Ohmic and Non Ohmic Conductors, Factors Affecting Resistance  Practical / Lab Work   | Importance of Eid-UI-<br>Azha   |
| 14               | (Pages 104 -109) <b>Unit 14 (Contd)</b> Conductors, Insulators, Combination of Resistors, Electrical Energy and Joule's Law, Electric Power, D.C and A.C.  Practical / Lab Work  | Practice of Fazaian Honour Code |
| 15               | (Pages 109 -117) <b>Unit 14 (Contd)</b> Hazards and Safe use of Electricity, Exercise<br>Practical / Lab Work  | Celebration of Defense Day      |
| 16               | (Pages 119–123) Unit 15: ELECTROMAGNETISM: Magnetic Effects of a Steady Current, Force on Current Carrying Conductor Placed in a Magnetic Field. Turning Effect on a Current Carrying Coil in a Magnetic Field, Practical / Lab Work | Practice of Fazaian Honour Code |

| Academic<br>Week | Unit/Chapter & Topic  | Personality Grooming Activities    |
|------------------|---|------------------------------------|
| 17               | (Pages 124–127) <b>Unit 15 (Contd)</b> DC Motors, Electromagnetic Induction, Lenz's Law, AC Generator, Mutual Induction   | Importance of Ashora-e-<br>Moharam |
| 18               | (Pages 127–138) <b>Unit 15 (Contd)</b> Transformer, High Voltage Transmission, Exercise <i>Practical / Lab Work</i>   | Practice of Fazaian Honour Code    |
| 19               | (Pages 140–143) <b>Unit 16 : BASIC ELECTRONICS</b> , Thermionic Emission, investigating the Properties of Electrons, Cathode-Ray Oscilloscope(C.R.O)  Practical / Lab Work  | World teachers day                 |
| 20               | (Pages 143 – 154) <b>Unit 16 (Contd)</b> Analogue and Digital Electronics, Basic operations of digital electronics-Logic gates, uses of logic gates, Exercise   | Practice of Fazaian Honour Code    |
|                  | Practical / Lab Work  |                                    |
| 21               | Revision  | Practice of Fazaian Honour Code    |
| 22 – 23          | SEND UP EXAMINATION SSC   |                                    |
| 24               | (Pages 156–158) Unit 17: INFORMATION AND COMMUNICATION TECHNOLOGY, Information and Communication Technology, Components of Computer Based information System (CBIS),Flow of Information, Practical / Lab Work       | Celebration of Iqbal day           |
| 25               | (Pages 159–163) <b>Unit 17(Contd)</b> Transmission of electrical signal through wires, Transmission of Radio-waves through space, Transmission of light signals through optical fibres, <i>Practical / Lab Work</i> | Practice of Fazaian Honour Code    |
| 26               | (Pages 164–167) <b>Unit 17(Contd)</b> , Information Storages Devices  | Rabi-ul-Awal                       |
|                  | Practical / Lab Work  |                                    |
| 27               | (Pages 167–173) <b>Unit 17 (Contd)</b> Applications of Computer, Internet , Risks of ICT and Exercise Practical / Lab Work  | Practice of Fazaian Honour Code    |

| Academic<br>Week | Unit/Chapter & Topic   | Personality Grooming Activities              |
|------------------|--|--|
| 28               | (Pages 175–180) Unit 18: ATOMIC AND NUCLEAR PHYSICS, Atom and Atomic Nucleus, Natural Radioactivity, Background Radiations, Nuclear Transmutations  Practical / Lab Work | Practice of Fazaian Honour Code              |
| 29               | (Pages 180–184) <b>Unit 18 (Contd)</b> Half–life and its measurement, Radio Isotopes and their uses  Practical / Lab Work  | National Resolve Day to<br>Promote Education |
| 30               | (Pages 185–192) <b>Unit 18 (Contd)</b> Fission and Fusion reaction, Radiation Hazards and Safety measures, Exercise <i>Practical / Lab Work</i>                          | Celebration of Quaid's day                   |
| 31               | Revision   | Practice of Fazaian Honour Code              |
| 32               | Pre-board  | Practice of Fazaian Honour Code              |
| 33               | Pre-board  | Practice of Fazaian<br>Honour Code           |
| 34               | Revision and Tests: Ch # 10,11 (Solution of questions from FBISE Papers 2012,2013,2014,2015, 2016,2017)  | Practice of Fazaian Honour Code              |
| 35               | Revision and Tests: Ch # 12,13 (Solution of questions from FBISE Papers 2012,2013,2014,2015, 2016,2017)  | Practice of Fazaian Honour Code              |
| 36               | Revision and Tests: Ch # 14,15 (Solution of questions from FBISE Papers 2012,2013,2014,2015, 2016,2017)  | Kashmir day                                  |
| 37               | Revision and Tests: Ch # 16,17,18 (Solution of questions from FBISE Papers 2012,2013,2014,2015, 2016,2017)   | Practice of Fazaian Honour Code              |
| 38               | Revision and Tests: Ch # 10,11,12,13,14 (Solution of questions from FBISE Papers 2012,2013,2014,2015, 2016,2017)   | Practice of Fazaian Honour Code              |
| 39               | Revision and Tests: Ch # 15,16,17,18 (Solution of questions from FBISE Papers 2012,2013,2014,2015, 2016,2017)  | Practice of Fazaian Honour Code              |
| 40               | Revision and Tests: Ch # 10,11,12,13,14,15,16,17,18 (Solution of questions from FBISE Papers 2012,2013,2014,2015, 2016,2017)   | Practice of Fazaian Honour Code              |

| Academic<br>Week                | Unit/Chapter & Topic | Personality Grooming Activities |
|---------------------------------|----------------------|---------------------------------|
| 41                              | PREP LEAVE           |                                 |
| FBISE SSC EXAMINATION COMMENCES |                      |                                 |

**CHEMISTRY: CLASS-X** 

#### National Book Foundation, Islamabad

| Academic<br>Week | Unit/Chapter & Topic   | Personality<br>Grooming Activities   |
|------------------|--|--|
| 1                | Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling] (Pages 3- 10) Ch 09: CHEMICAL EQUILIBRIUM, Introduction, Reversible reactions and dynamic equilibrium, Law of mass action, Conditions of Equilibrium Practical / Lab Work | 3 min talk Practice of Fazaian Honour Code 1                                       |
| 2                | (Pages 11 – 20) <b>Ch 09:</b> (contd): Conditions of Equilibrium, Importance of Equilibrium, Exercise <b>Practical / Lab Work</b>  | Importance of Labour day 3 min talk Practice of Fazaian Honour Code 2              |
| 3                | (Pages 21- 29) Ch 10:ACIDS, BASES AND SALTS, Introduction, Concepts of Acids and Bases, Arrhenius Concept, Bronsted Concept, Lewis Concept Practical / Lab Work  | 3 min talk Talk on National Security Mothers day Practice of Fazaian Honour Code 3 |
| 4                | (Pages 30 – 36) <b>Ch 10:</b> (contd): Lewis Concept, Self-ionization of water, Importance of Kw, pH Scales <b>Practical / Lab Work</b>  | Importance of Ramadan 3 min talk Practice of Fazaian Honour Code 4                 |
| 5                | (Pages 37-54) <b>Ch 10:</b> (contd): Use of Litmus paper, Salts, Methods of making Salts, Uses of Salts, Exercises <b>Practical / Lab Work</b>   | 3 min talk Practice of Fazaian Honour Code 5                                       |
| 6                | (Pages 55-62) <b>Ch 11: ORGANIC CHEMISTRY,</b> Introduction, Organic Compounds, Chemical diversity and magnitude of Organic Compounds, General Characteristics of Organic Compounds <b>Practical / Lab Work</b>  |  |
| 7                | (Pages 63–68) <b>Ch 11:</b> (contd): Saturated and unsaturated hydrocarbon, Sources and uses of organic compounds, Alkane and Alkyl radicals <b>Practical / Lab Work</b>   | SUMMER<br>SCHOOL-SSC   |
| 8                | (Pages 69-75) <b>Ch 11:</b> (contd): Classification of Organic Compounds, Functional groups, Functional Groups containing Carbon, Hydrogen, Halogens and Oxygen, Aldehydes and Keytones <b>Practical / Lab Work</b>  | 301100L-330  |
| 9                | (Pages 76–82) <b>Ch 11:</b> (contd): Functional groups containing double and triple bonds, Unsaturated compounds discharge, Concepts in brief <b>Practical / Lab Work</b>  |  |
| 10               | (Pages 83–88) <b>Ch 11:</b> (contd): Key points and exercise <b>Practical / Lab Work</b>   |  |

| Academic<br>Week | Unit/Chapter & Topic   | Personality<br>Grooming Activities                               |
|------------------|--|--|
| 11               | (Pages 89-96) Ch 12: HYDROCARBONS: Introduction, Alkanes, Properties of Alkanes, Halogenation Practical / Lab Work   | Practice of Fazaian Code 7                                       |
| 12               | (Pages 97-103) <b>Ch 12:</b> (contd): Combustion, Uses of methane, Alkenes, Methods of preparation of Alkenes, Properties of Alkenes, Alkynes <b>Practical / Lab Work</b>            | Celebration of Independence day Practice of Fazaian Code 8       |
| 13               | (Pages 104-110) <b>Ch 12:</b> (contd): Methods of preparation of Alkynes, Properties of Alkynes <b>Practical / Lab Work</b>  | Importance of Eid-UI –Azha 3 min talk Practice of Fazaian Code 9 |
| 14               | (Pages 111-114) <b>Ch 12:</b> (contd): Exercise <b>Practical / Lab Work</b>  | 3 min talk Practice of Fazaian Code 10                           |
| 15               | (Pages 115-123) <b>Ch 13: BIOCHEMISTRY,</b> Introduction, Carbohydrates and classification, Sources and uses of Carbohydrates, Polysaccharides, Proteins <b>Practical / Lab Work</b> | Defence day celebration  |
| 16               | (Pages 124 – 129) <b>Ch 13:</b> (contd): Amino Acids and Building Blocks, Source and use of Proteins, Lipids, Fatty Acids, Sources and uses of Lipids <b>Practical / Lab Work</b>    | Quaid's death anniversary  |
| 17               | (Pages 130 – 135) <b>Ch 13:</b> (contd): Nucleic Acids, Deoxyribonucleic Acid (DNA), Vitamins, Type of Vitamins, Source and uses of vitamins <b>Practical / Lab Work</b>             | Importance of Ashoora-e-<br>Muharram                             |
| 18               | (Pages 136–144) <b>Ch 13:</b> (contd): Type of Vitamins, Source and uses of vitamins, Brief concepts, Exercise   | Motivational talk on religious tolerance                         |
| 19               | (Pages 145 – 148) <b>Ch 14: ENVIRONMENTAL CHEMISTRY-I:ATMOSPHERE,</b> Introduction, Composition of atmosphere.   | World Teacher's Day  |
| 20               | (Pages 149 – 151) <b>Ch 14: ENVIRONMENTAL CHEMISTRY-I:ATMOSPHERE</b> , Layers of Atmosphere, The Troposphere, Stratosphere, Mesosphere, Thermosphere.                                |  |
| 21               | Revision   |  |
| 22               |  |  |
| 23               | SEND UP EXAMINATION SS   | C-II   |

| Academic<br>Week | Unit/Chapter & Topic  | Personality<br>Grooming Activities                          |
|------------------|---|---|
| 24               | (Pages 152 – 157) <b>Ch 14</b> (contd): Air Pollutants, Sulphur Oxides, Carbon Monoxides, Nitrogen Oxide, Methane, Chlorofluorocarbons, Lead Compounds, Sources of air pollution, Global Warming <b>Practical / Lab Work</b>  | Iqbal day 3 min talk Revision of Honour Codes               |
| 25               | (Pages 158 – 166) <b>Ch 14:</b> (contd): Acid rain and its effects, Ozone depletion and its effect, Brief concepts Exercise. (Revision) <b>Practical / Lab Work</b>   | 3 min talk Revision of Honour Codes                         |
| 26               | (Pages 167 – 172) <b>Ch 15</b> : <b>ENVIRONMENTAL CHEMISTRY-II</b> : <b>WATER</b> , Introduction, Properties of Water, Importance of water, Properties of water, Composition of water <b>Practical / Lab Work</b>   | 3 min talk Revision of Honour Codes                         |
| 27               | (Pages 173 – 180) <b>Ch 15:</b> (contd): Water as a solvent, Soft and Hard water, Types of hardness of water, Methods of removing hardness, Methods to remove permanent hardness, Disadvantages of water hardness, Water pollution <b>Practical / Lab Work EID MILAD-UN-NABI</b> (30 NOV, 2017) | 3 min talk Revision of Honour Codes                         |
| 28               | (Pages 181 – 190) <b>Ch 15:</b> (contd): Society technology and science, Waterborne diseases, Distillation, Brief concepts, Exercise  Practical / Lab Work  | National Resolve Day to promote Education                   |
| 29               | (Pages 191–204) <b>Ch 16: CHEMICAL INDUSTRIES:</b> Introduction, Basic metallurgical operations, Refining of purification of metals , Solvey process, Advantages of Solvey process, Urea, Petroleum industry <b>Practical / Lab Work</b>  | National's Resolve Day to promote education                 |
| 30               | (Pages 205 – 214) <b>Ch 16:</b> (contd): Petroleum industry, Fractional Distillation of petroleum, Exercise (Revision) <b>Practical / Lab Work</b>  | Quaid's Day Celebration 3 min talk Revision of Honour Codes |
| 31               | Revision  |   |
| 32               |   |   |
| 33               | PRE BOARD EXAM SSC-II   |   |
| 34               | Revision & Class Test Ch # 9, 10, (Solution of questions of Chapter Nos 9,10, from FBISE papers 2012, 2013, 2014, 2015, 2016,2017,2018)   | Talk on Hard work and Motivation                            |
| 35               | Revision & Class Test Ch # 11,12 (Solution of questions of Chapter No 11, 12 from FBISE papers 2012, 2013, 2014,2015, 2016,2017,2018)   |   |
| 36               | Revision & Class Test Ch # 13 (Solution of questions of Chapter No 13 from FBISE papers 2012, 2013, 2014,2015, 2016,2017,2018)  | Kashmir Day   |

| 37                              | Revision & Class Test Ch # 14 (Solution of questions of Chapter No 14 from FBISE papers 2012, 2013, 2014,2015, 2016,2017,2018)       |                |
|---------------------------------|--|----------------|
| 38                              | Revision & Class Test Ch # 15 (Solution of questions of Chapter No 15 from FBISE papers 2012, 2013, 2014,2015, 2016,2017,2018)       |                |
| 39                              | Revision & Class Test Ch # 16 (Solution of questions of Chapter No 12,13,14 from FBISE papers 2012, 2013, 2014,2015, 2016,2017,2018) |                |
| 40                              | Solution of FBISE Papers 2012, 2013, 2014, 2015, 2016,2017,2018  | Farewell party |
| 41                              | PREP LEAVE   |                |
| FBISE SSC EXAMINATION COMMENCES |  |                |

**BIOLOGY: CLASS-X** 

#### **PLD Publishers, Lahore**

| Academic<br>Week | Unit/Chapter & Topic  | Personality Grooming Activities                               |
|------------------|---|---|
| 1                | Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]                                    | Introduction to teacher Introduction/ interaction of students |
| '                | (Pages 1-11) <b>Chapter 10: Gaseous Exchange</b> , Gaseous exchange in plants, Gaseous exchange in Human, The lungs, The mechanism of breathing                                     | 3 min talk  |
|                  | Practical / Lab Work  | Practice of Fazaian Honour Code 1                             |
| 2                | (Pages 11-17) <b>Chapter 10 (contd):</b> Respiratory disorders, Bad effects of smoking, Exercise  | Importance of Labour day 3 min talk                           |
|                  | Practical / Lab Work  | Practice of Fazaian Honour Code 2                             |
| 3                | (Pages 18-29) <b>Chapter 11: Homeostasis</b> , Homeostasis in plants, Homeostasis in Humans, Urinary system of humans, Functioning of kidney, Disorders of kidney, Kidney failure & | Talk on National Security  3 min talk                         |
|                  | transplant Practical / Lab Work   | Practice of Fazaian Honour Code 3                             |
| 4                | (Pages 29-31) Chapter 11 (contd): Exercise Practical / Lab Work   | Importance of Ramdan  |
| 4                | (Pages 32-36) <b>Chapter 12: Coordination &amp; Control,</b> Types of coordination, Human Nervous System  | 3 min talk  |
|                  | Practical / Lab Work  | Practice of Fazaian<br>Honour Code 4                          |
| 5                | (Pages 36-39) Chapter 12 (contd): Divisions of the Nervous system, Nerve cell, central nervous system, Brain, Spinal cord  Practical / Lab Work                                     | 3 min talk  Practice of Fazaian  Honour Code 5                |
| 6                | (Pages 39-45) Chapter 12 (contd): Peripheral nervous system, Somatic nervous system, Reflex action, Receptors in Humans, Eye  Practical / Lab Work                                  | SUMMER<br>SCHOOL-SSC  |

| Academic<br>Week | Unit/Chapter & Topic   | Personality Grooming Activities                                   |
|------------------|--|---|
| 7                | (Pages 45-52) Chapter 12 (contd): Ear, Endocrine system Feedback mechanism, Disorders of Nervous System Practical / Lab Work   |   |
| 8                | (Pages 53-56) Chapter 12 (contd): Exercise Practical / Lab Work  | SUMMER<br>SCHOOL-SSC  |
| 9                | (Pages 57-62) Chapter 13 :Support & Movement, Human skeleton, Components of human skeleton  Practical / Lab Work   |   |
| 10               | (Pages 62-68) Chapter 13 (contd): Types of joints, Muscle and movement, Disorders of skeletal system, Exercise Practical / Lab Work  |   |
| 11               | (Pages 69-72) Chapter 14:Reproduction, Introduction, Methods of asexual reproduction(Fragmentation)  Practical / Lab Work  | Practice of Fazaian Code 7  |
| 12               | (Pages 72-78) <b>Chapter 14 (contd):</b> Methods of asexual reproduction (Parthenogenesis), Vegetative propagation (Natural methods), Vegetative propagation(Artificial methods), Advantages and Disadvantages of Vegetative propagation of Plants <b>Practical / Lab Work</b> | Celebrations of Independence Day  Practice of Fazaian Code 8      |
| 13               | (Pages 78-80) <b>Chapter 14 (contd):</b> Sexual reproduction in flowering plants, <b>Practical / Lab Work</b>  | 1 Importance of Eid ul Azha 3 min talk Practice of Fazaian Code 9 |
| 14               | (Pages 80-86) Chapter 14 (contd): Pollination, Development & Structure of Seed, Germination of seed, Sexual reproduction in animals, Gametogenesis, fertilization Practical / Lab Work   | 3 min talk  Practice of Fazaian  Code 10                          |
| 15               | (Pages 87-93) <b>Chapter 14 (contd):</b> Reproduction in rabbit, Male reproductive system, Female reproductive system, Growth in human population, AIDS, Exercise <b>Practical / Lab Work</b>  | Celebrations of Defence Day                                       |
| 16               | (Pages 94-98) Chapter 15: Inheritance, Introduction to Genetics, Chromosomes & Genes, Watson-Crick Model of DNA, How does DNA work, Genotypes and its types Practical / Lab Work   |   |

| Academic<br>Week | Unit/Chapter & Topic   | Personality Grooming Activities                                |
|------------------|--|--|
| 17               | (Pages 98-101) <b>Chapter 15 (contd):</b> Mendel's Law of inheritance, Law of Independent Assortment <b>Practical / Lab Work</b>   | Importance of Ashora e<br>Moharram                             |
| 18               | (Pages 101 – 103) <b>Chapter 15 (contd):</b> Co-Dominance and Incomplete Dominance <b>Practical / Lab Work</b>   |  |
| 19               | (Pages 103 – 109) Chapter 15 (contd): Variations& Evolution, Mechanism of Evolution, Artificial Selection Practical / Lab Work   | World's Teachers Day   |
| 20               | (Pages 109 – 111) Chapter 15 (contd): Exercise Practical / Lab Work  |  |
| 21               | REVISION   | 3 min talk Revision of Honour Codes                            |
| 22               | SEND UP EXAM SSC   |  |
| 23               |  |  |
| 24               | (Pages 112-123) Chapter 16: Man and His Environment,<br>Levels of Ecological Organization, Components of<br>Ecosystem, Flow of Material and Energy in Ecosystems,<br>Biogeochemical Cycles, Carbon Cycle, Nitrogen Cycle,<br>Interactions in Ecosystems, Symbiosis<br>Practical / Lab Work | Celebration of Iqbal's Day 3 min talk Revision of Honour Codes |
| 25               | (Pages 124 – 129) Chapter 16 (contd): Mutualisms, Ecosystem balance and Human Impact, Practical / Lab Work   | 3 min talk Revision of Honour Codes                            |
| 26               | (Pages 129-136) Chapter 16 (contd): Consequences & Control of Pollution, Water Pollution Effects & Control, Conservation of Nature, Plans for Conversation of Nature, Exercise  Practical / Lab Work   | Rabi- ul-awal 3 min talk Revision of Honour Codes              |
| 27               | (Pages 137-144) <b>Chapter 17: Biotechnology,</b> Introduction, Genetic Engineering, Scope & Importance of Biotechnology, Fermentation in Biotechnology, Fermenter, Advantages of using Fermenters <b>Practical / Lab Work</b>   | 3 min talk Revision of Honour Codes                            |

| Academic<br>Week | Unit/Chapter & Topic   | Personality Grooming Activities     |
|------------------|--|-------------------------------------|
| 28               | (Pages 144-149) <b>Chapter 17 (contd):</b> Genetic Engineering, Achievements of Genetic Engineering, Single Cell Protein, Exercise   | 3 min talk Revision of Honour Codes |
| 29               | (Pages 150-154) <b>Chapter 18 Pharmacology</b> : Pharmacology Introduction, Medicinal Drugs, Addictive Drugs, Drug Addiction & Associated Problems <b>Practical / Lab Work</b> | National Resolve Day                |
| 30               | (Pages 155-156) <b>Chapter 18 (contd):</b> Antibiotics And Vaccines, Exercise <b>Practical / Lab Work</b>  | Quaid's Day                         |
| 31               | (Pages 157-158) Chapter 18 (contd): Exercise Practical / Lab Work  | 3 min talk Revision of Honour Codes |
| 32               | PRE BOARD EXAM SSC   |                                     |
| 33               |  |                                     |
| 34               | Revision and test Ch # 10,11 (Solution of questions of chapter 10,11 from FBISE papers 2014, 2015,2016,2017,2018)  |                                     |
| 35               | Revision and test Ch # 12,13 (Solution of questions of chapter 12,13 from FBISE papers 2014, 2015,2016,2017,2018)  |                                     |
| 36               | Revision and test Ch # 14,15 (Solution of questions of chapter 14,15 from FBISE papers 2014, 2015,2016,2017,2018)  |                                     |
| 37               | Revision and test Ch # 16,17 (Solution of questions of chapter 16,17 from FBISE papers 2014, 2015,2016,2017,2018)  | 3 min talk Revision of Honour Codes |
| 38               | Revision and test Ch # 18,19 (Solution of questions of chapter 18,19 from FBISE papers 2014, 2015,2016,2017,2018)  |                                     |
| 39               | Solution of FBISE Papers 2014, 2015,2016,2017,2018   | 3 min talk Revision of Honour Codes |

| Academic<br>Week                | Unit/Chapter & Topic                               | Personality Grooming Activities |
|---------------------------------|--|---------------------------------|
| 40                              | Solution of FBISE Papers 2014, 2015,2016,2017,2018 | Farewell party                  |
| 41                              | PREP LEAVE   |                                 |
| FBISE SSC EXAMINATION COMMENCES |  |                                 |

# WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2018-19 PAKISTAN STUDIES: CLASS –X

#### **National Book Foundation**

| Academic<br>Week | Unit/Chapter & Topic   | Personality Grooming Activities   |
|------------------|--|---|
| 1                | Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]  Unit 5 History of Pakistan-II: Z.A. Bhutto Era1 (1971- 77): Main aspects of the Economic Reforms, 1973 Constitution, Impact of Nationalization on Industry, Commerce and Trade. Key Aspects of constitution of 1973, | 3 min talk  Practice of Fazaian  Honour Code 1  |
| 2                | Unit 5 (contd): Restoration of Civilian Rules,1988-99: Zia UI Haq Era (1977-88) major aspects of Islamization, Muhammad khan Junejo period: 1985-88, Afghan Jihad and refugee problem, Benazir regimes(first and second),  | Importance of Labour Day 3 min talk  Practice of Fazaian Honour Code 2                                      |
| 3                | Unit 5 (contd): Pervez Musharraf Era: Nawaz Sharif Regimes (first and second), Pakistan emergence as a nuclear power Local self-government,  | 3 min talk  Practice of Fazaian Honour Code 3  Debate contest: Pakistan as a first Islamic Nuclear state"   |
| 4                | Unit 5 (contd): Election 2002 and restoration of Democracy, Enlightened Moderation, Industrialization and Privatization, Economic Reforms introduced by Pervez Musharraf and Shaukat Aziz  | 3 min talk  Practice of Fazaian Honour Code 4  Group Activity: Practice Election procedure in the classroom |
| 5                | Unit 5 (contd): Exercise.  |   |

| Academic<br>Week | Unit/Chapter & Topic  | Personality Grooming Activities   |
|------------------|---|---|
| 06-09            | SUMMER VACATION  The Subject of Pak.Studies not to be taught during Summer School   |   |
| 10               | Revision of previous Core concepts  Unit 6 Pakistan in World Affairs: Objectives of Pakistan Foreign Policy, Pakistan's Relations with neighbouring countries, ,              | Practice of Fazaian Honour Code 5   |
| 11               | Unit 6 (contd): Kashmir Dispute, Pakistan's relations with O.I.C countries, Pakistan's relations with Central Asian Countries. Pakistan's relations with SAARC Countries      | Practice of Fazaian Code 6  Arrange round table group discussion on the related topics  |
| 12               | Unit 6 (contd): Pakistan's relations with the major world powers (USA, China, UK, EU, Russia and Japan), United Nation (Organs of UN), Pakistan's contribution towards peace. | Practice of Fazaian Code 7 Celebration of Independence day Arrange an exhibition with slogan "Positive Pakistan" on Pakistan's contribution to maintain peace and harmony in the world. |
| 13               | Unit 6 (contd): Exercise.   | 3 min talk  Practice of Fazaian  Code 8   |
| 14               | Unit 7 Economic Developments: (1)-Economic Development in Pakistan through Decades, Major Sectors of Economy  | 3 min talk  Practice of Fazaian  Code 9   |
| 15               | Unit 7: (contd) (2)-, Mining :Major Mineral Resources, Agriculture ,Agricultural Potential along with problems and measures,  | Defence day celebration Practice of Fazaian Code 10   |
| 16               | Unit:7 (contd) Agriculture: Water Resources and Irrigation System, Indus Water Treaty, Production and Distribution of Major Crops of Pakistan, Livestock, Fishing             | Quaid's death<br>anniversary  |
| 17               | Unit 7 (contd) Pattern of Modernisation in Agriculture, Main<br>Problems Associated with Agriculture, Solution of Agricultural<br>Problems, Industries of Pakistan            | International Peace Day   |

| Academic<br>Week | Unit/Chapter & Topic  | Personality Grooming Activities  |
|------------------|---|--|
| 18               | Unit 7 (contd) Energy Resources: Importance of energy resources, Electricity, Natural Gas, Petroleum, Coal,                         | Motivational talk on religious tolerance  Make a model related to energy resources |
| 19               | Unit:7 (contd) International Trade of Pakistan ,Major Imports and Exports of Pakistan, Composition of Pakistani Trade,              | World Teacher's Day  |
| 20               | Unit 7 (contd): Directions of Pakistani Trade Balance Trade, Poverty Causes, Consequences and remedies of Poverty,                  | 3 min talk Revision of Honour Codes  |
| 21               | Unit 7 (contd): Importance of Sea-ports of Pakistan, Importance of Dry-ports of Pakistan , Unit 7 (contd): Exercise                 | 3 min talk Revision of Honour Codes  |
| 22- 23           | SEND UP EXAM SSC  |  |
| 24               | Revision of previous Core concepts  |  |
| 25               | Unit 8 Population, Society and Culture: Growth and Distribution of Population in Pakistan, Factors Affected on Growth of Population | 3 min talk Revision of Honour Codes  |
| 26               | Unit:8 (contd) Division of Population on Rural and Urban Basis, Division of population on Gender Basis,                             | 3 min talk Revision of Honour Codes  |
| 27               | Unit:8 (contd) Education Condition in Pakistan, Educational Structure of Pakistan ,Educational Problems of Pakistan,                | 3 min talk Revision of Honour Codes  |
| 28               | Unit:8 (contd), Health Condition in Pakistan, Health Problems and Solutions ,Major Features of Pakistani Society and Culture,       | 3 min talk Revision of Honour Codes  |

| Academic<br>Week | Unit/Chapter & Topic  | Personality Grooming<br>Activities   |
|------------------|---|--|
|                  |   | National Resolve Day to promote Education Classroom Activity:  |
| 29               | Unit:8 (contd) Commonality in Regional Cultures Leading to National Integration and Cohesion, Major Social Problems of Pakistan, National and Regional Languages  | Put-Ups  (Students are used to put-downs, but what about put-ups? This activity helps students to see the positive things that their classmates are doing and gives them skills to affirm each other across social boundaries) |
| 30               | Unit:8 (contd): Role of Minorities in Pakistan, Exercise  | Quaid's Day Celebration Collect Quaid's speech notes related to minorities' rights.  |
| 31               | Revision of previous Core concepts  |  |
| 32- 33           | , PRE BOARD EXAM SSC  |  |
| 34               | Revision and Tests: Unit:5 Z.A.Bhutto Era1(1971-77):Main aspects of the Economic Reforms, 1973 Constitution, Rules,1988-99: Zia Ul Haq Era (1977-88) major aspects of Islamization, Muhammad khan Junejo period: 1985-88, Afghan Jihad and refugee problem, Benazir regimes(first and second), Nawaz Sharif Regimes (first and second), Pakistan emergence as a nuclear power Local self-government |  |
| 35               | Revision and Tests: Unit 6: Objectives of Pakistan Foreign Policy, Pakistan's Relations with neighbouring countries, Kashmir Dispute, Pakistan's relations with O.I.C countries, Pakistan's relations with Central Asian Countries. Pakistan's relations with SAARC Countries,  | Talk on Hard work and<br>Motivation  |
| 36               | Revision and Tests: Unit 6: Pakistan's relations with the major world powers (USA, China, UK, EU, Russia and Japan), United Nation (Organs of UN), Pakistan's contribution towards peace.   | Kashmir Day  |

| Academic<br>Week | Unit/Chapter & Topic   | Personality Grooming<br>Activities           |  |
|------------------|--|--|--|
| 37               | Revision and Tests: Unit 7: <b>Economic Developments:</b> Economic Development in Pakistan through Decades, Major Sectors of Economy, Mining: Major Mineral Resources, Agriculture, Agricultural Potential along with problems and measures,   | 3 min talk Revision of Honour Codes          |  |
| 38               | Revision and Tests: Unit 7: Pattern of Modernisation in Agriculture, Main Problems Associated with Agriculture, Solution of Agricultural Problems, Industries of Pakistan International Trade of Pakistan, Major Imports and Exports of Pakistan, Composition of Pakistani Trade, Directions of Pakistani Trade Balance Trade, Poverty Causes, Consequences and remedies of Poverty, | Talk on Honesty, Truthfulness and Compassion |  |
| 39               | Revision and Tests Unit 8: <b>Society and Culture</b> : Growth and Distribution of Population in Pakistan, Factors Affected on Growth of Population ) Education Condition in Pakistan, Educational Structure of Pakistan, Educational Problems of Pakistan, Health Condition in Pakistan, Health Problems and Solutions  | 3 min talk Revision of Honour Codes          |  |
| 40               | Revision and Tests Unit 8: Major Features of Pakistani<br>Society and Culture, Commonality in Regional Cultures<br>Leading to National Integration and Cohesion, Major Social<br>Problems of Pakistan, National and Regional Languages,<br>Role of Minorities in Pakistan  | Farewell party                               |  |
| 41               | PREP LEAVE   |  |  |
|                  | ANNUAL BOARD EXAM (PLAIN AREAS)  |  |  |

## مضمون: اسلامیات

تماعت: دہم

## پنجاب کریکولم اینڈ ٹیکسٹ بک بورڈ،لاہور

| Personality Grooming Activities  | Unit/Chapter & Topic   | Academic<br>Week |
|--|--|------------------|
| Introduction of teacher,<br>students and school<br>environment<br>Spring Day | Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]         |                  |
|  | تعارف به سورة الاحزاب كالپس منظر<br>(صفحه نمبر27 تا28) درس الا ريابع (الف) به سورة الاحزاب   | 1                |
|  | ( سحه مبر/2 تا ۵ مفهوم اور تشریح و تفسیر به لفظی و با محاوره ترجمه،التمارین<br>آیت نمبر اتا ۸ مفهوم اور تشریح و تفسیر به لفظی و با محاوره ترجمه،التمارین |                  |
| Importance of Labour<br>Day  | (صفحه نمبر 29 تا30) درس الار ابع (ب) ـ سورة الاحزاب ـ  | 2                |
| Fazaian Honour Code 1  | آیت نمبر ۹ تا ۲۰ مفهوم اور تشریح و تفسیر به لفظی و بامحاوره ترجمه،   |                  |
| Talk on National Security/ Mothers' day Fazaian Honour Code 2                | (صفحه نمبر 31) درس الاول (ب) ـ سورة الاحزاب ـ ، التمارين   | 3                |
| 3 min talk   | (صفحه نمبر32 تا33) درس الار ابع (ج) به سورة الاحذاب آیت نمبر   | 4                |
| Practice of Fazaian Honour Code 4  | ۲۱ تا ۲۷ مفهوم اور تشریح و تفسیر به لفظی و بامحاوره ترجمه، التمارین  |                  |
| 3 min talk Practice of Fazaian   | (صفحه نمبر34 تا35) درس الخَامس (الف) _ سورة الاحزاب آيت نمبر   | 5                |
| Honour Code 5  | ۸ تا ۳۴ مفهوم اور تشریح و تفسیر به لفظی و بامحاوره ترجمه، التمارین   |                  |
|  | SUMMER VACATION  The Subject of Islamiat not to be taught during Summer School   | 6-9              |
| Practice of Fazaian<br>Code 6  | (صفحه نمبر 36 تا 37) درس الخامس (ب) سورة الاحزاب، آيات ٣٥ تا ٢٠ مفهوم و  | 10               |
|  | تشر تح و تفسير ، لفظى و بامحاوره ترجمه ، التمارين (صفحه ٣٩٣٣٨) ،   |                  |

| Personality Grooming Activities                                     | Unit/Chapter & Topic  | Academic<br>Week |
|---|---|------------------|
| Practice of Fazaian Code 7  | (صفحه نمبر 38 تا39) درس الخَامس (ج) سورة الاحزاب آيات ا ٢ تا ٢ مفهوم،   | 11               |
|   | ترجمه و تشر یخ، نفظی و بامحاوره ترجمه   |                  |
| Practice of Fazaian Code 8 Celebration of Independence day          | (صفحه نمبر 39) درس المخامس (ج) التمارين   | 12               |
| 3 min talk Practice of Fazaian Code 9                               | (صفحه نمبر 41 تا 44) درس السياديس (الف) سورة الاحزاب،<br>آيات ۵۸ تا ۵۸ مفهوم و تشر تح، لفظی و با محاوره ترجمه         | 13               |
| Importance of Eid ul Azha  3 min talk  Practice of Fazaian  Code 10 | رصفحه نمبر 41) درس المسادس (الف) التمارين   | 14               |
| Defence day celebration   | (صفحه نمبر 42) درس المسادس (ب) سورة الاحزاب،<br>آیات ۵۹ تا ۲۸ الفظی و با محاوره ترجمه و تشر تح                        | 15               |
| Quaid's death anniversary   | رصفي نمبر 43) درس السدادس (ب) التمارين<br>(صفي نمبر 43) درس السدادس   | 16               |
| Importance of Ashora e<br>Muharram                                  | (صفحه نمبر 44) درس المسادس (ج) سورة الاحزاب،<br>آیات ۲۹ تا ۲۷، لفظی و با محاوره ترجمه و تشر کے،التمارین               | 17               |
| Motivational talk on religious tolerance                            | ر صفحه نمبر 52 تا 53) الجز الثاني، مين هدى الحديث، حديث نمبر ١١ تا ١٥<br>لفظى وبإمحاوره ترجمه ، مفهوم ، تشر تك، وضاحت | 18               |
| Celebration of World<br>Teacher's Day                               | (صفحه نمبر 67 تا69) الجز الثالث، موضوعاتی مطالعه، طهارت اور جسمانی صفائی،<br>تعارف، وضو، غسل، مشق                     | 19               |
| 3 min talk Revision of Honour Codes                                 | (صفحه نمبر 70 تا71) الجز الثالث، موضوعاتی مطالعه، صبر وشکر، ہماری انفرادی اور<br>اجتماعی زندگی، مشق                   | 20               |
| 3 min talk Revision of Honour Codes                                 | دهرائی  | 21               |
|   | SEND-UP EXAMINATION SSC   | 22- 23           |
| 3 min talk Revision of Honour Codes                                 | (صفحه نمبر 72 تا74) الجز الثالث، موضوعاتی مطالعه، عائلی زندگی کی اہمیت، مثق   | 24               |

| Personality Grooming Activities   | Unit/Chapter & Topic   | Academic<br>Week |
|---|--|------------------|
| 3 min talk Revision of Honour Codes   | (صفحه نمبر 53 تا54) الجز الثاني، مين هدى الحديث، حديث نمبر ٢٠١٦ للفطى وبإمحاوره ترجمه، مفهوم، تشر ٣٠ وضاحت   | 25               |
| 3 min talk Revision of Honour Codes Importance of Rabi ul Awal and seerat un nabi | (صفحه نمبر 45 تا46) درس المسابع (الف) سورة المهتحذ، آیات ا تا ۲<br>مفهوم، تشر ت کو تفسیر، لفظی و با محاوره ترجمه، التمارین                               | 26               |
| 3 min talk Revision of Honour Codes   | (صفحه نمبر 47 تا48) درس السدابع (ب) سورة الممتحنه، آیات ۲ تا۱۱۳ مفهوم، تشر تکو تفسیر، لفظی و بامحاوره ترجمه  | 27               |
| 3 min talk Revision of Honour Codes   | (صفحه نمبر 48) درس السابع (ب) التمارين   | 28               |
| National Resolve Day to promote Education   | (صفحه نمبر 75 تا78) الجز الثالث، موضوعاتی مطالعه، ہجرت وجہاد، مثق  | 29               |
| Quaid's Day Celebration   | (صفحہ نمبر 79 تا80) الجز الثالث، موضوعاتی مطالعہ، حقوق العباد (انسانی رشتوں اور<br>تعلقات سے متعلق حضور اکرم مَنَّا لِنَّيْلًا کی سیرت اور ارشادات)، مثق | 30               |
| Sharing New Year<br>Resolutions   | (Revision of all core concepts)<br>دہر ائی: الجزالاوّل۔ سورۃ الاحزاب آیات اتاکا  | 31               |
|   | PRE BOARD EXAM SSC   | 32- 33           |
| 3 min talk Revision of Honour Codes   | د ہر ائی: الجزالاوّل۔ سورۃ الاحزاب آیات ۵۸۳۳۲  | 34               |
| Talk on Hard work and Motivation  | د ہر ا کی: درس السابع _ سورۃ الممتحنہ آیات ا تا ۱۳،  | 35               |
| Kashmir Day   | د ہرائی, ٹیسٹ: احادیث ، حدیث نمبر ۱۱ تا ۲۰   | 36               |
| 3 min talk Revision of Honour Codes   | د هرائی, ٹیسٹ: موضوعاتی مطالعه ، طهارت و جسمانی صفائی ، تعارف ،<br>وضو، غسل ، صبر وشکر اور ہماری انفرادی و اجتماعی زندگی                                 | 37               |
| Talk on Honesty,<br>Truthfulness and<br>Compassion                                | د ہر ائی, ٹیسٹ: موضوعاتی مطالعہ ، عائلی زندگی کی اہمیت ، ہجرت و جہاد   | 38               |

| Personality Grooming Activities     | Unit/Chapter & Topic  | Academic<br>Week |
|-------------------------------------|---|------------------|
| 3 min talk Revision of Honour Codes | د ہر ائی, ٹیسٹ: موضوعاتی مطالعہ، حقوق العباد، حضور اکرم مَثَلَّقَیْمًا کی<br>سیرت اور ارشادات | 39               |
| Farewell party                      | د هر ا کی   | 40               |
|                                     | PREP LEAVE  | 41               |
|                                     | ANNUAL EXAM (PLAIN AREAS)   |                  |

**COMPUTER SCIENCE: CLASS-X** 

#### **NATIONAL BOOK FOUNDATION**

| Academic<br>Week | Unit/Chapter & Topic   | Personality Grooming<br>Activities                                     |
|------------------|--|--|
| 1                | Ice-Breaking at the Session Commencement [Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling]  (Pages 8-11) Chapter 01: Programming Techniques,   | Introduction to teacher Introduction/ interaction of students          |
|                  | Defining the Problem, Analyzing the Problem, Planning the Solution, Candid the Solution and Select the Best Solution.  | Practice of Fazaian<br>Honour Code 1                                   |
| 2                | (Pages 11-18) <b>Chapter 01 (contd):</b> The Algorithm, Role of Algorithm in Problem Solving, Measuring Efficiency of an Algorithm and Algorithms for Solving Problems   | Importance of Labour day 3 min talk  Practice of Fazaian Honour Code 2 |
| 3                | (Pages 18-27) <b>Chapter 01(contd):</b> Flowchart, Importance of Flowchart, Steps for Drawing Flowcharts, Flowchart Symbols, Flowcharts to Solve Problems  | Talk on National Security 3 min talk Practice of Fazaian Honour Code 3 |
| 4                | (Pages 28-29) <b>Chapter 01 (contd):</b> Key Points, Exercise, Short Questions and Extensive Questions   | Importance of Ramadan  Practice of Fazaian  Honour Code 4              |
| 5                | (Pages 30-35) <b>Chapter 02 Programming in C,</b> Introduction, Programming Languages, Characteristics of High level Languages, Popular High Level Languages, and Compiler & Interpreter. <b>Lab Activity</b> : Installation of C – Compiler                 | Practice of Fazaian Honour Code 5                                      |
| 6                | (Pages 36-42) <b>Chapter 02 (contd):</b> Programming Environment, IDE, IDE of C, Programming Basics, C Language Character Set, Reserved Words, Header Files, Structure of a C Program and Comments in C Language   |  |
| 7                | (Pages 43-48) <b>Chapter 02 (contd):</b> Constants and Variables, Rules for Specifying variable names, Data Types used in C Programs. Typecasting in C Language and the Constant qualifier. <b>Lab Activity:</b> - Familiarization with IDE of C – Compiler. | SUMMER<br>SCHOOL-SSC   |
| 8                | (Pages 49-51) Chapter 02 (contd): Key Points, Exercise, Short Questions and Extensive Questions.  Lab Activity: Write some programmes using printf (), Scanf (), Format, Specifier, Escape Sequences, getch  |  |

| 9                | (Pages 52-55) <b>Chapter 03 :Input and Output Handling,</b> Introduction, Input and Output Functions, Output Functions, Displaying Single Characters, Displaying Strings and Displaying Text, Variables, Constants and Expressions.   |   |
|------------------|---|---|
| Academic<br>Week | Unit/Chapter & Topic  | Personality Grooming Activities                             |
| 10               | (Pages 55-64) <b>Chapter 03 (contd):</b> Input Functions, Statement Terminator and Format Specifiers.   | Practice of Fazaian Code 6                                  |
| 11               | (Pages 64-76) Chapter 03 (contd): Escape Sequence, Arithmetic Operators, Assignment Operators, Relational Operators, Logical Operators, Increment and Decrement operators, Difference between Assignment and Equal To Operator, Difference between Unary and Binary Operators, Conditional Operator and Order of Precedence of Operators, Lab activities: Solving arithmetic problems to calculate average, percentage, and grades etc.  Calculating area, volumes, parameters of some geometric shapes | Practice of Fazaian Code 7                                  |
| 12               | (Pages 76-79) <b>Chapter 03 (contd):</b> Key Points, Exercise, Short Questions and Extensive Questions.   | Celebrations of Independence Day Practice of Fazaian Code 8 |
| 13               | (Pages 80-85) <b>Chapter 04 Conditional Control Structure:</b> Introduction, Control Structure, Control Statement, Conditional Statement, Structure of IF Statement, Use of IF Statement, Structure of IF-ELSE Statement and use of IF-ELSE Statement.  | Importance of Eid ul Azha  Practice of Fazaian  Code 9      |
| 14               | (Pages 85-92) <b>Chapter 04 (contd):</b> Structure Of IF-ELSE-IF Statement, Use of IF-ELSE-IF Statement and Switch Statement. <b>Lab Activity:</b> Comparing numbers  | Practice of Fazaian Code 10                                 |
| 15               | (Pages 92-96) <b>Chapter 04 (contd):</b> Advantages and Limitation of Switch Statement, Using Conditional Operator in Program and Nested Selection Structure <b>Lab Activity:</b> Solving quadratic Equation  | Celebrations of Defence Day                                 |
| 16               | (Pages 96-99) <b>Chapter 04 (contd):</b> Key points and Exercise, Short Questions, Extensive Questions and Lab Activities. <b>Lab Activity:</b> Finding factorial of given numbers  |   |
| 17               | (Pages 100-108) Chapter 05: Loop Control Structure, Introduction, Loop Structure, Types of Loop Structures, The FOR Statement,  Lab Activity: Finding Table of a given number   | Importance of Ashora e<br>Moharram                          |
| 18               | (Pages 109 – 114) <b>Chapter 05 (contd):</b> The WHILE Statement, The DO WHILE Statement and difference   |   |

|                  | between WHILE () and DO-WHILE () Loops.   |  |
|------------------|---|--|
|                  | Lab Activity: Generating / Summing of simple series (even/odd)  |  |
| 19               | (Pages 115 – 120) <b>Chapter 05 (contd):</b> The Break and Continue Statement and Nested Loops.   | World's Teachers Day   |
| Academic<br>Week | Unit/Chapter & Topic  | Personality Grooming Activities                                |
| 20               | (Pages 121 – 123) <b>Chapter 05 (contd):</b> Key Points, Exercise, Short Questions, Extensive Questions and Lab Activities.   |  |
| 21               | REVISION  | 3 min talk<br>Revision of Honour<br>Codes                      |
| 22-23            | SEND UP EXAM SSC  |  |
| 24               | (Pages 124-129) <b>Chapter 06 : Computer Logic and Gates,</b> Introduction, Data Representation in Computer, Logic Gates, Digital Logic and Logic Gates, Basic Logic Gates, Truth table and Logic Gates and their Truth Tables.   | Celebration of Iqbal's Day 3 min talk Revision of Honour Codes |
| 25               | (Pages 129– 135) <b>Chapter 06 (contd):</b> Creating NAND, NOR, XOR, and XNOR Gates using Basic Gates, Conversion of Boolean Function to logic circuit, Karnaugh Map, Simplification of Two-Variable Boolean Function Using Karnaugh Map, Simplification of Three-Variable Boolean Function Using Karnaugh Map and Building Logic Circuit from Simplified Boolean Expression. | 3 min talk Revision of Honour Codes                            |
| 26               | (Pages 136-137) <b>Chapter 6 (contd):</b> Key Points, Exercise, Short Questions and Extensive Questions.  | Rabi- ul-awal Revision of Honour Codes                         |
| 27               | (Pages 138-149) <b>Chapter 7: Worldwide Web and HTML,</b><br>Introduction, Terms related with Worldwide web, Types of<br>Websites   | 3 min talk Revision of Honour Codes                            |
| 28               | (Pages 149-160) <b>Chapter 07 (contd):</b> Introduction to HTML, Creating and Displaying HTML Document, Tags used to Mark-Up-HTML Elements, The HTML, Head and Body Tags, Text Formatting, Basics of Text Formatting and Text Formatting tags, Using Text Formatting Tags.  | 3 min talk Revision of Honour Codes                            |
| 29               | (Pages 160-171) Chapter 07 (contd): Creating Lists in HTML, Types of Lists, Creating Lists, Images and Backgrounds, Adding image in a web page, Specifying Image Size in a web Page, Applying Background and Foreground colours and Applying background Image.  Lab Activity: Create a webpage / website involving Lists, Images and backgrounds.                             | National Resolve Day   |

| 30                              | (Pages 171-182) <b>Chapter 07 (contd):</b> Hyperlinks, Anchor tags, Creating a Hyperlink to a web page, creating a Hyperlink within a web page, Creating a Graphical hyperlink, Creating Tables, Creating Frames. <b>Lab Activity:</b> Create a webpage / website involving Hyperlinks and Tables | Quaid's Day                         |  |  |
|---------------------------------|---|-------------------------------------|--|--|
| 31                              | (Pages 183-187) <b>Chapter 07 (contd):</b> Key Points, Exercise, Short Questions, Extensive Questions and Lab Activities.   | 3 min talk Revision of Honour Codes |  |  |
| Academic<br>Week                | Unit/Chapter & Topic  | Personality Grooming Activities     |  |  |
| 32                              | PRE BOARD EXAM SSC  |                                     |  |  |
| 34                              | Revision and test Ch # 01 and 02  | 3 min talk Revision of Honour Codes |  |  |
| 35                              | Revision and test Ch # 03   | 3 min talk Revision of Honour Codes |  |  |
| 36                              | Revision and test Ch # 04   | 3 min talk Revision of Honour Codes |  |  |
| 37                              | Revision and test Ch # 05   | 3 min talk Revision of Honour Codes |  |  |
| 38                              | Revision and test Ch # 06   | 3 min talk Revision of Honour Codes |  |  |
| 39                              | Revision and test Ch # 07   | 3 min talk Revision of Honour Codes |  |  |
| 40                              | Revision and test Ch # 1-7  | Farewell party                      |  |  |
| 41                              | PREP LEAVE  |                                     |  |  |
| FBISE SSC EXAMINATION COMMENCES |   |                                     |  |  |