 

WEEKLY SYLLABI BREAKDOWN

**Academic Session: 2019-20**

**SSC – II**

**Fazaia Teachers’ Training Institute PAF Complex, E-9, Islamabad**

#### March, 2019

**C O N T E N T S**

|  |  |  |  |
| --- | --- | --- | --- |
| **Class** | **Serial No.** | **Subject** |  |
| **X** | 1 | English |  |
| 2 | Urdu |  |
| 3 | Mathematics |  |
| 4 | Physics |  |
| 5 | Chemistry |  |
| 6 | Biology |  |
| 7 | Pakistan Studies |  |
| 8 | Islamiat |  |
| 9 | Computer Science |  |

### WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20

#### ENGLISH: CLASS-X

**CARAVAN BOOK HOUSE LAHORE Book - X**

|  |  |  |
| --- | --- | --- |
| **Academic 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*]**Grammar:** Parts of Speech (Rules, Exercises) | Introduction of students with his/her class mates, Teachers and school environment |
| **2** | (Pages 1-8) Unit 1: **Hazrat Muhammad (SAWW) an Embodiment of Justice:,** Glossary, Vocabulary, Reading Comprehension**Grammar:** Practice of Present Tense | Importance of Labour DayThree Minutes’ Talk by 2- 3 children in each class in every week revealing their talents and building their confidence |
| **3** | (Pages 8-14) Unit 1 (Contd): Grammar exercises, Oral communication Skills and Writing skills**Grammar**: Kinds of sentences | Celebration of Mother’s Day |
| **4** | (Pages 15-20) **Unit 2: Chinese New Year:** Glossary, Vocabulary, Reading Comprehension**Grammar:** Use of must/mustn’t, Practice of past tense | Importance of RamadanPractice of Fazaian Honour Code 1 |
| **5** | (Pages 21-26) **Unit 2 (Contd):** Grammar, Oral Communication Skills, Writing Skills, Further Reading Activity **Grammar:** Simile, Alliteration, Personal Pronoun, Phrasalverb | Practice of Fazaian Honour Code 2 |
| **6** | (Pages 27- 31) **Unit 3 : Try Again :** Vocabulary, Reading Comprehension**Grammar :** Adverbs, Gerund and infinitives, Practice of Futures Tense | **SUMMER SCHOOL-SSC** |
| **7** | (Pages 31-36) **Unit 3 (Contd) :** Grammar, Oral Communication Skills, Writing Skills**Grammar:** Phrasal verb, Narration**(**assertive sentence**)** |
| **8** | (Pages 37-45) **Unit 4: First Aid:** Glossary, Vocabulary, Reading Comprehension**Grammar:** Use of metaphor and personification, transitive/intransitive verb, narration (positive sentences) |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **9** | (Pages 46-49)**Unit 4 (Contd)**:Grammar, Oral Communication Skills, Writing Skills**Grammar:** Narration **(**Interrogative Sentences**)** | **SUMMER SCHOOL-SSC** |
| **10** | (Pages 50-54) **Review 1****Grammar:** Modal verbs, Conditional Sentences (type-I), Narration. Exclamatory Sentences, Phrasal Verbs | Practice of Fazaian Honour Code 3 |
| **11** | (Pages 55- 61) **Unit 5: The Rain:** Vocabulary, Reading Comprehension**Grammar:** Essay Writing | Importance of Eid-Ul- AzhaPractice of Fazaian Honour Code 4 |
| **12** | (Pages 61-66) **Unit 5 (Contd):** Grammar, Oral Communication Skills, Writing Skills, Further Reading Activity **Grammar:** Exercises of Passage Comprehension | Celebration of Independence Day Practice of FazaianHonour Code 5 |
| **13** | (Pages 67-72) **Unit 6:Television Vs Newspapers:** Glossary, Vocabulary, Reading Comprehension**Grammar :**Passage Comprehension, Phrasal Verbs | Practice of Fazaian Honour Code 6 |
| **14** | (Pages 73-78) **Unit 6 (Contd):** Grammar, Oral Communication Skillls, writing Skills **Grammar :** Application writing | Practice of Fazaian Honour Code 7 |
| **15** | *(*Pages 79-84) **Unit 7**: **Little By Little One Walks Far! :**Glossary, Vocabulary, Reading Comprehension**Grammar:** Relative pronoun, Parts of speech | Celebration of Defense DayPractice of Fazaian Honour Code 8 |
| **16** | **(**Pages 85-90) **Unit 7 (Contd):** Grammar, Oral Communication skills, Writing Skills**Grammar :** Adjective clauses, Practice of formal letter writing, practice of Narration | Importance of Ashora-e- MoharramPractice of Fazaian Honour Code 9 |
| **17** | (Pages 91-95) **Unit 8:Peace:** Vocabulary, Reading Comprehension**Grammar:** Comprehension of stanza and passage, Practice of tenses | Practice of Fazaian Honour Code 10 |
| **18** | (Pages 95- 100) **Unit 8 (Contd):** Grammar, Oral Communication Skills, Writing Skills(Pages 101-105) **Review 2****Grammar :**Practice of tenses, Practice of narration, Essay writing, letter writing |  |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **19** | (Pages 106-111) **Unit 9:Selecting the Right Career:**Glossary, Vocabulary, Reading Comprehension**Grammar :**Adverb clause, Subordinating Conjunctions | Celebration of World Teacher’s Day |
| **20** | (Pages 112-117) **Unit 9 (Contd):** Grammar, Oral Communication skills, Writing Skills**Grammar :** Revision of Important grammar topics |  |
| **21** | (Pages 118-122) **Unit 10:A World without Books?:**Glossary, Vocabulary, Reading Comprehension**Grammar :**Reinforcement Exercises on Essay writing and formal letter writing |  |
| **22** | (Pages 123- 128) **Unit 10 (Contd):** Grammar, Oral Communication Skills, Writing Skills**Grammar:** Reinforcement Exercises on Essay writing and formal letter writing |  |
| **23** | **Revision** |  |
| **24-25** | **SEND UP EXAMINATION SSC** | Celebration of Iqbal’s Day |
| **26** | (Pages 129-134) **Unit 11: Great Expectations:** Glossary, Vocabulary, Reading Comprehension**Grammar:** Exercises of Passage comprehension, Phrasal Verbs, Application Writing | Importance of Rabi-ul- Awal & Seert-un-Nabi |
| **27** | (Pages 134-138) **Unit 11 (Contd):** Grammar, Oral Communication Skills, Writing Skills |  |
| **28** | (Pages 139-145) **Unit12: Population Growth and World Food Supplies:** Glossary, Vocabulary, Reading Comprehension |  |
| **29** | (Pages 145-148) **Unit 12 (Contd):** Grammar, Oral Communication Skills, Writing Skills**Grammar:** Exercises of Passage comprehension, Phrasal Verbs, Application Writing |  |
| **30** | (Pages 149-154) **Unit 13: Faithfulness:** Glossary, Vocabulary, Reading Comprehension**Grammar:** Revision of Important topics | National Resolve Day to Promote education |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **31** | (Pages 154-159) Unit 13 (Contd): Grammar,Oral Communication Skills, Writing Skills**Grammar:** Revision of Important topics | Celebration of Quaid’s Day |
| **32** | **Revision**(Pages 160- 163) **Review 3** |  |
| **33-34** | **PRE-BOARD EXAM SSC** |  |
| **35** | 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 -(Last Five Years) |  |
| **36** | 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 -(Last Five Years) |  |
| **37** | Revision and Tests: units # 7,8 and related grammar topics (Solution of questions of units # 7,8,and related grammar topics from FBISE Papers -(Last Five Years) | Kashmir day |
| **38** | Revision and Tests: units # 9,10 and related grammar topics ( Solution of questions of units # 9,10 and related grammar topics from FBISE Papers -(Last Five Years) |  |
| **39** | 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 -(Last Five Years) |  |
| **40** | Solution of FBISE Papers -(Last Five Years) |  |
| **41** | **PREP LEAVES** |
| **FBISE SSC EXAMINATION COMMENCES** |

**Note:** Teachers are strongly recommended to collect **“Guidelines for Teachers”** from the offices of the Principals/VPs/HMs for an effective utilization of the syllabi breakdown Examination papers will be set according to the said guidelines

**WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20**

**مضمون اردو**

کلاس دہم

|  |  |  |
| --- | --- | --- |
| **Personality Grooming****Activities** | **Unit/Chapter & Topic** | **Academic****Week** |
| Introduction of teacher, students and school environment | **Ice-Breaking at the Session Commencement** [*Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling*]سبق نمبر :۱حمد -مشقاشعار میں متعدد عناصر کی پہچان | **1** |
| Importance of Labour DayThree Minutes’ Talk by 2- 3 children in each class in every week revealing their talents and building their confidence | سبق نمبر :۲نعت-مشقگرائمر:جملے کی تقطیع اجزا میں کرنا | **2** |
| Celebration of Mother’s Day | سبق نمبر :۳مرزا محمد سعید-مشقنظم :۱میدان کربلا میں گرمی کی شدت-مشق | **3** |
| Importance of RamadanPractice of Fazaian Honour Code 1 | سبق نمبر :۴نظریہ پاکستان-مشقگرائمر :ہئیت کے لحاظ سے غزل اور نظم کا فرق | **4** |
| Practice of Fazaian Honour Code 2 | نظم :۲فاطمہ بنت ِعبداالله-مشقگرائمر :عبارت میں تشبیہ ، استعارہ، مجاز مرسل کی شاءندہی کرنا | **5** |
|  | **SUMMER VACATION**The Subject of Urdu is not to be taught during Summer School | **6-9** |
| Practice of Fazaian Honour Code 3 | سبق نمبر :۵پرستان کی شہزادی-مشقگرائمر:جملے کی تقطیع اجزا میں کرنا (دہرائی | **10** |
| Importance of Eid-ul- AzhaPractice of Fazaian Honour Code 4 | سبق نمبر:۶اُردواد میںعیدالفطر-مشقگرائمر : اشعار میں متعدد عناصر کی پہچان ،مضمون :تخلیقی لکھائی | **11** |

|  |  |  |
| --- | --- | --- |
| **Personality Grooming****Activities** | **Unit/Chapter & Topic** | **Academic****Week** |
| Celebration of Independence dayPractice of Fazaian Honour Code 5 | نظم :۳کسان-مشق، مضمون :تخلیقی لکھائیگرائمر: جملہ اسمیہ اور جملہ فعلیہ کی ترکیب نحوی | **12** |
| Practice of Fazaian Honour Code 6 | سبق نمبر 7: مجھے میرے دوستوں سے بچاؤ-مشق | **13** |
| Practice of Fazaian Honour Code 7 | نظم :۴جیوے جیوے پاکستان-مشقکہانی:جسکاکام ا ُسی کوساجھے | **14** |
| Defense day celebrationPractice of Fazaian Honour Code 8 | غزل نمبر :۱مصیبت بھی راحت فزا ہوگئی ہے-مشقعبا ر ت سے ذومعنی الفاظ کوا لگ الگ کر نا | **15** |
| Importance of Ashora-e- MuharramPractice of Fazaian Honour Code 9 | سبق نمبر :۸مُلَمَع-مشقمضمون :تخلیقی لکھائی | **16** |
| Practice of Fazaian Honour Code 10 | غزل نمبر :۲آدمی آدمی سے لتا ہے-مشقگرائمر: جملہ معترضہ کے حوالے سے غلط فقرات کی درستگی | **17** |
|  | غزل نمبر :۳سر میں سودا بھی نہیں ، دل میں تمنا بھی نہیں-مشقمضمون :تخلیقی لکھائی | **18** |
| Celebration of World Teacher’s Day | سبق نمبر :۹چغل خور-مشقکہانی: جیسا کرو گے ویسا بھرو گے | **19** |
|  | مضمون :تخلیقی لکھائیکہانی : تخلیقی لکھائی | **20** |
|  | سبق نمبر :۱۰نام دیومالی-مشقمضمون :تخلیقی لکھائی | **21** |
|  | گرائمر :مختلف اصناف کے لحاظ سے فن پاروں کو سمجھنا مضمون :تخلیقی لکھائی | **22** |

|  |  |  |
| --- | --- | --- |
| **Personality Grooming Activities** | **Unit / Chapter & Topic** | **Academic Week** |
|  | **دہرائی** | **23** |
| Celebration of Iqbal’s Day | **SEND-UP EXAMINATION SSC** | **24- 25** |
| Importance of Rabi-ul- Awal and Seerat-un-Nabi | نظم :۵اونٹ کی شادی-مشقکہانی :نا انصافی کا انجام | **26** |
|  | سبق نمبر :۱۱علی بخش-مشقمبتدا اور خبر کے حوالےسے جملے کی تقطیع کرنا | **27** |
|  | سبق نمبر :۱۲استنبول-مشقمضمون :تخلیقی لکھائی | **28** |
|  | سبق نمبر :۱۳خطو ِطغالب-مشق،نظم :۶مال گودام رو -مشقکہانی :سچ میں برکت | **29** |
| National Resolve Day to Promote Education | سبق نمبر:۱۴خطو ِطرشیداحمدصدیقی-مشقگرائمر:اپنےخیالات کومختلف اندا ِزبیاںسےتحریرکرنامضمون :تخلیقی لکھائی | **30** |
| Quaid’s Day Celebration | غزل نمبر :۴یہ فخر تو( صل ہے ، بُرے ہیں کہ بھلے ہیں-مشق،مضمون :تخلیقی لکھائیگرائمر :مختلف اصناف کے لحاظ سے فن پاروں کو سمجھنا | **31** |
|  | **(Revision of all core concepts)** | **32** |
|  | **PRE BOARD EXAM SSC** | **33- 34** |
|  | سبق نمبر ،۳-۱غزل نمبر ،۱نظم نمبر ۱اور گرائمر :مختلف اصناف کے لحاظ سے فن پاروں کو سمجھنا کی دہرائی اور ٹیسٹ | **35** |

|  |  |  |
| --- | --- | --- |
| **Personality Grooming Activities** | **Unit / Chapter & Topic** | **Academic Week** |
| Kashmir Day | سبق نمبر ،۶-۴غزل نمبر ،۲نظم نمبر۳-۲اورگرائمر:اپنےخیالاتکومختلفاندا ِزبیاںسےتحریر کرنا کی دہرائی اور ٹیسٹ | **36** |
|  | سبق نمبر ،۹-۷غزل نمبر ،۳نظم نمبر۵-۴اور گرائمر :مبتدا اور خبر کے حوالےسے جملے کی تقطیع کرنا کی دہرائی اور ٹیسٹ | **37** |
|  | سبق نمبر ،۱۲-۱۰غزل نمبر ،۴نظم نمبر۶اور گرائمر: جملہ معترضہ کے حوالے سے غلط فقرات کی درستگی کی دہرائی اور ٹیسٹ | **38** |
| Talk on Honesty, Truthfulness and Compassion | سبق نمبر ،۱۴-۱۳جملہ اسمیہ اور جملہ فعلیہ کی ترکیب نحوی ،عبارت میں تشبیہ ، استعارہ ، مجاز مرسل کی شاءندہی کرنا ، جملے کی تقطیع اجزا میں کرنا ،ذومعنی الفاظ کا استعمال و شاءندہی ،اور اشعار میں متعدد عناصر کی پہچان کی دہرائی اور ٹیسٹ | **39** |
|  | اہم موضوعات کی دہرائی | **40** |
| Farewell Party | **PREP LEAVES** | **41** |
|  | **ANNUAL EXAM (PLAIN AREAS)** |  |

##### **Note:** Teachers are strongly recommended to collect **“Guidelines for Teachers”** from the offices of the Principals/VPs/HMs for an effective utilization of the syllabi breakdown Examination papers will be set according to the said guidelines

**WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20**

**MATHEMATICS: CLASS-X**

**Punjab Text Book Board (ILMI KITAB KHANA) Book - X**

|  |  |  |
| --- | --- | --- |
| **Academic 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 (1-7) **Unit 1: Quadratic Equations,** Solution Of Quadratic Equations, Solution By Factorization, Solution By Completing Square, Exercise 1.1, Quadratic Formula, Use Of Quadratic Formula, Exercise 1.2 | Introduction of teacher, students and environment |
| **2** | Pages (8-16) **Unit 1 (Contd):** Equations Reducible To Quadratic Form. Exercise 1.3, Radical Equations, Exercise 1.4, Misc Exercise 1 | Importance of Labour DayThree Minutes’ Talk by 2-3 children in each class in every week revealing their talents and building their confidence |
| **3** | Pages (17-25) **Unit 2: Theory Of Quadratic Equations,** Nature Of The Roots Of A Quadratic Equation, Exercise 2.1, Cube Root Of Unity And Their Properties, Exercise 2.2, | Celebration of Mother’s Day |
| **4** | Pages (26–31) **Unit 2 (Contd):** Roots And Co-Efficients Of A Quadratic Equation, Exercise 2.3, Symmetric Functions Of The Roots Of A Quadratic Equation, Exercise 2.4 | Importance of RamadanPractice of Fazaian Honour Code 1 |
| **5** | Pages (32–39) **Unit 2 (Contd):** Formation Of A Quadratic Equation, Exercise 2.5, Synthetic Division, Exercise 2.6 | Practice of Fazaian Honour Code 2 |
| **6** | Pages (39–48) **Unit 2 (Contd):** Simultaneous Equations, Exercise 2.7, Problems Leading To Quadratic Equations, Exercise 2.8, Miscellaneous Exercise 2 | **SUMMER SCHOOL-SSC** |
| **7** | Pages (49–56) **Unit 3: Variations**, Ration Proportions And Variations, Exercise 3.1, Direct And Inverse Variation, Exercise 3.2 |
| **8** | Pages (56–65) **Unit 3 (Contd):** Finding Proportion, Exercise 3.3 , Theorems On Proportions, Exercise 3.4, Joint Variation, Exercise 3.5 |
| **9** | Pages (65–73) **Unit 3 (Contd):** K-Method, Exercise 3.6, Problems on Variation, Exercise 3.7, Miscellaneous Exercise 3 |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **10** | Pages (145–153) **Unit 7: Introduction to Trigonometry,** Measurement of an Angle, Exercise 7.1, Sector of a Circle Exercise 7.2 | Practice of Fazaian Honour Code 3 |
| **11** | Pages (153–165) **Unit 7 (Contd):** Trigonometric Ratios, Exercise 7.3, Trigonometric Identities, Exercise 7.4 | Importance of Eid-Ul-AzhaPractice of Fazaian Honour Code 4 |
| **12** | Pages (166–170) **Unit 7 (Contd):** Angle of Elevation and Depression, Exercise 7.5, Misc Exercise 7Pages (171-173) **Unit 8: Projection of a Side of a Triangle**, Theorem 1, Exercise 8.1 | Celebration of Independence DayPractice of Fazaian Honour Code 5 |
| **13** | Pages (174-178) **Unit 8 (Contd):** Theorem 2, Theorem 3,Exercise 8.2, Miscellaneous Exercise 8 | Practice of Fazaian Honour Code 6 |
| **14** | Pages (74–78) **Unit 4: Partial Fractions**, Fraction, Resolution of a Fraction into Partial Fractions, Exercise 4.1, Exercise 4.2 | Practice of Fazaian Honour Code 7 |
| **15** | Pages (79–84) **Unit 4 (Contd):** Resolution of a Fraction into Partial Fractions, Exercise 4.3, Exercise 4.4, Miscellaneous Exercise 4 | Celebration of Defense DayPractice of Fazaian Honour Code 8 |
| **16** | Pages (85–91) **Unit 5: Sets and Functions**, Sets, Exercise 5.1, Properties of Union and Intersection, Exercise 5.2 | Importance of Ashora-e- MoharramPractice of Fazaian Honour Code 9 |
| **17** | Pages (91–99) **Unit 5 (Contd):** Fundamental Properties of sets, Venn Diagram, Exercise 5.3, Ordered Pair and Cartesian Product, Exercise 5.4 | Practice of Fazaian Honour Code 10 |
| **18** | Pages (99–106) **Unit 5 (Contd):** Binary Relation, Function or Mapping, Exercise 5.5, Misc Exercise 5 |  |
| **19** | Pages (179–184) **Unit 9 : Chords of a Circle**, Basic Concepts of the Circle, Theorem 1, Theorem 2, Theorem 3, Exercise 9.1 | Celebration of World Teacher’s Day |
| **20** | Pages (184–188) **Unit 9 (Contd):** Theorem 4, Theorem 5,Exercise 9.2, Miscellaneous Exercise 9 |  |
| **21** | Pages (189–195) **Unit 10: Tangent to a Circle,** Theorem 1, Theorem 2, Theorem 3 Exercise 10.1, Theorem 4(A) |  |
| **22** | Pages (196–201) **Unit 10 (Contd):** Exercise 10.2, Theorem 4(B), Exercise 10.3, Misc Exercise 10 |  |
| **23** | **Revision** |  |
| **24-25** | **SEND UP EXAMINATION SSC** | Celebration of Iqbal’s Day |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **26** | Pages (202–210) **Unit 11 : Chords and Arcs,** Theorem 1, Theorem 2, Theorem 3, Theorem 4, Exercise 11.1,Miscellaneous Exercise 11 | Importance of Rabi-ul-Awal & Seert-un-Nabi |
| **27** | Pages (211–220) **Unit 12: Angle in a Segment of a Circle**, Theorem 1, Theorem 2, Theorem 3, Theorem 4, Exercise12.1, Miscellaneous Exercise 12 |  |
| **28** | Pages (221-228) **Unit 13: Practical Geometry-Circles**, Construction of a Circle, Exercise 13.1, Circles Attached to Polygons, Exercise 13.2 |  |
| **29** | Pages (229–240) **Unit 13 (Contd):** Tangent to the Circle, Exercise 13.3, Miscellaneous Exercise 13 |  |
| **30** | Pages (107–125) **Unit 6: Basic Statistics,** Frequency Distribution, Cumulative Frequency Distribution, Exercise 6.1, Measures of Central Tendency | National Resolve Day to promote education |
| **31** | Pages (126–144) **Unit 6 (Contd):** Measures of Central Tendency , Exercise 6.2, Measures of Dispersion, Exercise 6.3, Miscellaneous Exercise 6 | Celebration of Quaid’s Day |
| **32** | **Revision** |  |
| **33** | **PRE-BOARD EXAM SSC** |  |
| **34** |
| **35** | **Revision / Tests**(Solution of questions of chapters 1, 2 & 3 from FBISE past papers) |  |
| **36** | **Revision / Tests**(Solution of questions of chapters 7 & 8 from FBISE past papers) | Kashmir day |
| **37** | **Revision / Tests**(Solution of questions of chapters 4 & 5 from FBISE past papers) |  |
| **38** | **Revision / Tests**(Solution of questions of chapters 9 &10 from FBISE past papers) |  |
| **39** | **Revision / Tests**(Solution of questions of chapters 11 & 12 from FBISE past papers) |  |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **40** | **Revision / Tests**(Solution of questions of chapters 13 & 6 from FBISE past papers) |  |
| **41** | **PREP LEAVES** |
| **FBISE SSC EXAMINATION COMMENCES** |

**Note:** Teachers are strongly recommended to collect **“Guidelines for Teachers”** from the offices of the Principals/VPs/HMs for an effective utilization of the syllabi breakdown Examination papers will be set according to the said guidelines

**WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20**

**PHYSICS: CLASS-X**

**Punjab Text Book Board Book - X**

|  |  |  |
| --- | --- | --- |
| **Academic 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) **Unit 10 (Contd):** Wave motion, Types of mechanical waves, waves as carriers of energy, Relation V = fλ, Ripple Tank, Exercise*Practical / Lab Work* | Importance of Labour DayThree Minutes’ Talk by 2-3 children in each class in every week revealing their talents and building their confidence |
| **3** | (Pages 19-28) **Unit 11: SOUND,** Sound waves, Characteristics of Sound, Reflection of Sound, Speed of Sound*Practical / Lab Work* | Celebration of Mother’s Day |
| **4** | (Pages 28-35) **Unit 11 (Contd):** Noise Pollution, Importance of Acoustics, Audible Frequency Range, Ultrasound and its uses, Exercise*Practical / Lab Work* | Importance of RamadanPractice of Fazaian Honour Code 1 |
| **5** | (Pages 36-42**) Unit 12: GEOMETRICAL OPTICS,** Reflection of light, Spherical mirrors, Image location by spherical mirrors*Practical / Lab Work* | Practice of Fazaian Honour Code 2 |
| **6** | (Pages 42-47) **Unit 12 (Contd):** Refraction of light, Total Internal Reflection, Applications of total internal reflection,*Practical / Lab Work* | **SUMMER SCHOOL-SSC** |
| **7** | (Pages 47-53) **Unit 12 (Contd):** Lenses, Power of lenses, Image formation by lenses, Image location by lens equation*Practical / Lab Work* |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **8** | (Pages 54-58) **Unit 12 (Contd):** Application of lenses, Simple microscope, Compound Microscope, Telescope*Practical / Lab Work* | **SUMMER SCHOOL-SSC** |
| **09** | (Pages 59-67) **Unit 12 (Contd):** The Human Eye, Defects of Vision, Exercise*Practical / Lab Work* |
| **10** | (Pages 68-74) **Unit 13: ELECTROSTATICS,** Production of Electric Charges, Electrostatic Induction, Electroscope, Coulomb’s Law*Practical / Lab Work* | Practice of Fazaian Honour Code 3 |
| **11** | (Pages 74-82) **Unit 13 (Contd):** Electric Field and Electric Field Intensity, Electrostatic Potential, Capacitors and Capacitance, Combinations of Capacitors*Practical / Lab Work* | Importance of Eid-Ul-AzhaPractice of Fazaian Honour Code 4 |
| **12** | (Pages 82-89) **Unit 13 (Contd):** Different Types of Capacitors, Applications of Electrostatics, Some Hazards of Static Electricity, Exercise.*Practical / Lab Work* | Celebration of Independence DayPractice of Fazaian Honour Code 5 |
| **13** | (Pages 90-95) **Unit 14: CURRENT ELECTRICITY,** Electric Current, Conventional Current, Potential Difference*Practical / Lab Work* | Practice of Fazaian Honour Code 6 |
| **14** | (Pages 95-99) **Unit 14 (Contd):** Electromotive Force (e.m.f), Ohm’s Law.*Practical / Lab Work* | Practice of Fazaian Honour Code 7 |
| **15** | Pages (99-104) **Unit 14 (Contd):** Factors Affecting Resistance, Conductors, Insulators, Combination of Resistors*Practical / Lab Work* | Celebration of Defense DayPractice of Fazaian Honour Code 8 |
| **16** | (Pages 104 -109) **Unit 14 (Contd):** Electrical Energy and Joule’s Law, Electric Power, D.C. and A.C.*Practical / Lab Work* | Importance of Ashora-e- MoharramPractice of Fazaian Honour Code 9 |
| **17** | (Pages 109 -117) **Unit 14 (Contd)** Hazards and Safe use of Electricity, Exercise*Practical / Lab Work* | Practice of Fazaian Honour Code 10 |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **18** | (Pages 118–123) **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* |  |
| **19** | (Pages 124–131) **Unit 15 (Contd):** D.C. Motors, Electromagnetic Induction, Direction of induced e.m.f. Lenz’s Law, A.C. Generator, Mutual Induction | Celebration of World Teacher’s Day |
| **20** | (Pages 131–138) **Unit 15 (Contd):** Transformer, High Voltage Transmission, Exercise*Practical / Lab Work* |  |
| **21** | (Pages 139–145) **Unit 16: BASIC ELECTRONICS,**Thermionic Emission, Investigating the Properties of Electrons, Cathode-Ray Oscilloscope (C.R.O), Analogue and Digital Electronics*Practical / Lab Work* |  |
| **22** | (Pages 145–154) **Unit 16 (Contd):** Basic operations of digital electronics-Logic Gates, NAND Gate, NOR Gate, Uses of logic gates, Exercise*Practical / Lab Work* |  |
| **23** | **Revision** |  |
| **24** | **SEND UP EXAMINATION SSC** | Celebration of Iqbal’s Day |
| **25** |
| **26** | (Pages 155–161) **Unit 17: INFORMATION AND****COMMUNICATION TECHNOLOGY**, Information and Communication Technology, Components of Computer Based information System (CBIS), Flow of Information, Transmission of electrical signal through wires, Transmission of Radio-waves through space*Practical / Lab Work* | Importance of Rabi-ul-Awal & Seert-un-Nabi |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **27** | (Pages 161–167) **Unit 17 (Contd):** Transmission of light signals through optical fibres, Information Storages Devices*Practical / Lab Work* |  |
| **28** | (Pages 167–173) **Unit 17 (Contd):** Applications of Computer, Internet , Risks of ICT and ExercisePractical / Lab Work |  |
| **29** | (Pages 174–180) **Unit 18: ATOMIC AND NUCLEAR****PHYSICS**, Atom and Atomic Nucleus, Natural Radioactivity, Background Radiations, Nuclear Transmutations*Practical / Lab Work* |  |
| **30** | (Pages 180–184) **Unit 18 (Contd):** Half–life and its measurement, Radio Isotopes and their uses*Practical / Lab Work* | National Resolve Day to promote education |
| **31** | (Pages 185–192) **Unit 18 (Contd):** Fission and Fusion reaction, Radiation Hazards and Safety measures, Exercise*Practical / Lab Work* | Celebration of Quaid’s Day |
| **32** | **Revision** |  |
| **33** | **PRE-BOARD EXAM SSC** |  |
| **34** |
| **35** | Revision and Tests: Ch # 10,11(Solution of questions from FBISE Past Papers) |  |
| **36** | Revision and Tests: Ch # 12,13(Solution of questions from FBISE Past Papers) | Kashmir day |
| **37** | Revision and Tests: Ch # 14,15(Solution of questions from FBISE Past Papers) |  |
| **38** | Revision and Tests: Ch # 16,17(Solution of questions from FBISE Past Papers) |  |
| **39** | Revision and Tests: Ch # 18(Solution of questions from FBISE Past Papers) |  |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **40** | Revision of all Core Concepts(Solution of questions from FBISE Past Papers) |  |
| **41** | **PREP LEAVES** |
| **FBISE SSC EXAMINATION COMMENCES** |

**Note:** Teachers are strongly recommended to collect **“Guidelines for Teachers”** from the offices of the Principals/VPs/HMs for an effective utilization of the syllabi breakdown Examination papers will be set according to the said guidelines

**WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20**

**CHEMISTRY: CLASS-X**

**National Book Foundation, Islamabad Book - X**

|  |  |  |
| --- | --- | --- |
| **Academic 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 3- 10) **Ch 09: CHEMICAL EQUILIBRIUM,**Introduction, Reversible reactions and dynamic equilibrium, Law of mass action, Conditions of Equilibrium**Practical / Lab Work** | Introduction of teacher, students and environment |
| **2** | (Pages 11 – 20) **Ch 09:** (contd): Conditions of Equilibrium, Importance of Equilibrium, Exercise**Practical / Lab Work** | Importance of Labour DayThree Minutes’ Talk by 2- 3 children in each class in every week revealing their talents and building their confidence |
| **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** | Celebration of Mother’s Day |
| **4** | (Pages 30 – 36) **Ch 10:** (contd): Lewis Concept, Self- ionization of water, Importance of Kw, pH Scales**Practical / Lab Work** | Importance of RamadanPractice of Fazaian Honour Code 1 |
| **5** | (Pages 37-54) **Ch 10:** (contd): Use of Litmus paper, Salts, Methods of making Salts, Uses of Salts, Exercises**Practical / Lab Work** | Practice of Fazaian Honour Code 2 |
| **6** | (Pages 55-62) **Ch 11: ORGANIC CHEMISTRY,** Introduction, Organic Compounds, Chemical diversity and magnitude of Organic Compounds, General Characteristics of Organic Compounds **Practical / Lab Work** | **SUMMER SCHOOL-SSC** |
| **7** | (Pages 63–68) **Ch 11:** (contd): Saturated and unsaturated hydrocarbon, Sources and uses of organic compounds, Alkane and Alkyl radicals**Practical / Lab Work** |
| **8** | (Pages 69-75) **Ch 11:**(contd): Classification of Organic Compounds, Functional groups, Functional Groups containing Carbon, Hydrogen, Halogens and Oxygen, Aldehydes and Keytones**Practical / Lab Work** |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **9** | (Pages 76–82) **Ch 11:**(contd): Functional groups containing double and triple bonds, Unsaturated compounds discharge, Concepts in brief **Practical / Lab Work** | **SUMMER SCHOOL-SSC** |
| **10** | (Pages 83–88) **Ch 11:**(contd): Key points and exercise**Practical / Lab Work** | Practice of Fazaian Honour Code 3 |
| **11** | (Pages 89-96) **Ch 12: HYDROCARBONS:** Introduction, Alkanes, Properties of Alkanes, Halogenation**Practical / Lab Work** | Importance of Eid-Ul- AzhaPractice of Fazaian Honour Code 4 |
| **12** | (Pages 97-103) **Ch 12:** (contd): Combustion, Uses of methane, Alkenes, Methods of preparation of Alkenes, Properties of Alkenes, Alkynes**Practical / Lab Work** | Celebration of Independence DayPractice of Fazaian Honour Code 5 |
| **13** | (Pages 104-110) **Ch 12:** (contd): Methods of preparation of Alkynes, Properties of Alkynes**Practical / Lab Work** | Practice of Fazaian Honour Code 6 |
| **14** | (Pages 111-114) **Ch 12:** (contd): Exercise**Practical / Lab Work** | Practice of Fazaian Honour Code 7 |
| **15** | (Pages 115-123) **Ch 13: BIOCHEMISTRY,** Introduction, Carbohydrates and classification, Sources and uses of Carbohydrates, Polysaccharides, Proteins**Practical / Lab Work** | Celebration of Defense DayPractice of Fazaian Honour Code 8 |
| **16** | (Pages 124 – 129) **Ch 13:** (contd): Amino Acids and Building Blocks, Source and use of Proteins, Lipids, Fatty Acids, Sources and uses of Lipids**Practical / Lab Work** | Importance of Ashora-e- MoharramPractice of Fazaian Honour Code 9 |
| **17** | (Pages 130 – 135) **Ch 13:** (contd): Nucleic Acids, Deoxyribonucleic Acid (DNA), Vitamins, Type of Vitamins, Source and uses of vitamins**Practical / Lab Work** | Practice of Fazaian Honour Code 10 |
| **18** | (Pages 136–144) **Ch 13:** (contd): Type of Vitamins, Source and uses of vitamins, Brief concepts, Exercise |  |
| **19** | (Pages 145 – 148) **Ch 14: ENVIRONMENTAL CHEMISTRY-****I:ATMOSPHERE,** Introduction, Composition of atmosphere. |  |
| **20** | (Pages 149 – 151) **Ch 14: ENVIRONMENTAL CHEMISTRY-****I:ATMOSPHERE,** Layers of Atmosphere, The Troposphere, Stratosphere, Mesosphere, Thermosphere. |  |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **21** | (Pages 152 – 157) **Ch 14** (contd)**:** Air Pollutants, Sulphur Oxides, Carbon Monoxides, Nitrogen Oxide, Methane, Chlorofluorocarbons, Lead Compounds, Sources of air pollution,Global Warming **Practical / Lab Work** |  |
| **22** | (Pages 158 – 166) **Ch 14:** (contd): Acid rain and its effects, Ozone depletion and its effect, Brief concepts Exercise. (Revision) **Practical / Lab Work** |  |
| **23** | **Revision** |  |
| **24-25** | **SEND UP EXAMINATION SSC** | Celebration of Iqbal’s Day |
| **26** | (Pages 167 – 172) **Ch 15**: **ENVIRONMENTAL CHEMISTRY-****II: WATER**, Introduction, Properties of Water, Importance of water, Properties of water, Composition of water**Practical / Lab Work** | Importance of Rabi-ul- Awal & Seert-un-Nabi |
| **27** | (Pages 173 – 180) **Ch 15:**(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 **Practical / Lab Work** |  |
| **28** | (Pages 181 – 190) **Ch 15:**(contd): Society technology and science, Waterborne diseases, Distillation, Brief concepts, Exercise**Practical / Lab Work** |  |
| **29** | (Pages 191–204) **Ch 16: CHEMICAL INDUSTRIES:**Introduction, Basic metallurgical operations, Refining of purification of metals , Solvey process, Advantages of Solvey process, Urea, Petroleum industry **Practical / Lab Work** |  |
| **30** | (Pages 205 – 211) **Ch 16:** (contd): Petroleum industry, Fractional Distillation of petroleum, | National Resolve Day to promote education |
| **31** | (Pages 212 – 214) **Ch 16:** (contd): Exercise (Revision)**Practical / Lab Work** | Celebration of Quaid’s Day |
| **32** | **Revision** |  |
| **33-34** | **PRE-BOARD EXAM SSC** |  |
| **35** | Revision and Tests: Ch # 9,10,11 (Solution of questions from FBISE Papers Last five years) |  |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **36** | Revision and Tests: Ch # 12,13,14 (Solution of questions from FBISE Papers Last five years) | Kashmir day |
| **37** | Revision and Tests: Ch # 15,16, (Solution of questions from FBISE Papers ………Last five years) |  |
| **38** | Revision and Tests: Ch # 9,10,11,12,13 (Solution of questions from FBISE Papers ………Last five years) |  |
| **39** | Revision and Tests: Ch # 14,15,16, (Solution of questions from FBISE Papers ……. Last five years) |  |
| **40** | Revision and Tests: Ch # 9,10,11,12,13,14,15,16, (Solution of questions from FBISE Papers….. Last five years) |  |
| **41** | **PREP LEAVES** |
| **FBISE SSC EXAMINATION COMMENCES** |

**Note:** Teachers are strongly recommended to collect **“Guidelines for Teachers”** from the offices of the Principals/VPs/HMs for an effective utilization of the syllabi breakdown Examination papers will be set according to the said guidelines

**WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20**

**BIOLOGY: CLASS-X**

**PLD Publishers, Lahore Book - X**

|  |  |  |
| --- | --- | --- |
| **Academic 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 1-11) **Chapter 10: Gaseous Exchange,** Gaseous exchange in plants, Gaseous exchange in Human, The lungs, The mechanism of breathing**Practical / Lab Work** | Introduction of teacher, students and environment |
| **2** | (Pages 11-17) **Chapter 10 (contd):** Respiratory disorders, Bad effects of smoking, Exercise**Practical / Lab Work** | Importance of Labour DayThree Minutes’ Talk by 2- 3 children in each class in every week revealing their talents and building their confidence |
| **3** | (Pages 18-29) **Chapter 11: Homeostasis,** Homeostasis in plants, Homeostasis in Humans, Urinary system of humans, Functioning of kidney, Disorders of kidney, Kidney failure & transplant**Practical / Lab Work** | Celebration of Mother’s Day |
| **4** | (Pages 29-31) **Chapter 11 (contd):** Exercise**Practical / Lab Work** | Importance of RamadanPractice of Fazaian Honour Code 1 |
| **5** | (Pages 32-39) **Chapter 12 Coordination & Control,** Types of coordination, Human Nervous System Divisions of the Nervous system, Nerve cell, central nervous system, Brain, Spinal cord**Practical / Lab Work** | Practice of Fazaian Honour Code 2 |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **6** | (Pages 39-45) **Chapter 12 (contd):** Peripheral nervoussystem, Somatic nervous system, Reflex action, Receptors in Humans, Eye |  |
|  | **Practical / Lab Work** |  |
| **7** | (Pages 45-52) **Chapter 12 (contd):** Ear, Endocrine system Feedback mechanism, Disorders of Nervous System**Practical / Lab Work** | **SUMMER SCHOOL-SSC** |
| **8** | (Pages 53-56) **Chapter 12 (contd):** Exercise**Practical / Lab Work** |  |
| **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** | Practice of Fazaian Honour Code 3 |
| **11** | (Pages 69-72) **Chapter 14:Reproduction,** Introduction, Methods of asexual reproduction(Fragmentation)**Practical / Lab Work** | Importance of Eid-Ul- AzhaPractice of Fazaian Honour Code 4 |
| **12** | (Pages 72-78) **Chapter 14 (contd):** Methods of asexual reproduction (Parthenogenesis), Vegetative propagation (Natural methods), Vegetative propagation(Artificial methods), Advantages and Disadvantages of Vegetativepropagation of Plants | Celebration of Independence DayPractice of Fazaian Honour Code 5 |
|  | **Practical / Lab Work** |  |
| **13** | (Pages 78-80) **Chapter 14 (contd):** Sexual reproduction in flowering plants,**Practical / Lab Work** | Practice of Fazaian Honour Code 6 |
|  | (Pages 80-86) **Chapter 14 (contd):** Pollination, Development | Practice of Fazaian |
| **14** | & Structure of Seed, Germination of seed, Sexualreproduction in animals, Gametogenesis, fertilization | Honour Code 7 |
|  | **Practical / Lab Work** |  |
| **15** | (Pages 87-93) **Chapter 14 (contd):** Reproduction in rabbit, Male reproductive system, Female reproductive system, Growth in human population, AIDS, Exercise**Practical / Lab Work** | Celebration of DayPractice of Honour Code 8 | DefenseFazaian |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **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** | Importance of Ashora-e- MoharramPractice of Fazaian Honour Code 9 |
| **17** | (Pages 98-101) **Chapter 15 (contd):** Mendel’s Law of inheritance, Law of Independent Assortment **Practical / Lab Work** | Practice of Fazaian Honour Code 10 |
| **18** | (Pages 101 – 107) **Chapter 15 (contd):** Co-Dominance and Incomplete Dominance , Variations& Evolution, Mechanism of Evolution,**Practical / Lab Work** |  |
| **19** | (Pages 108 – 111) **Chapter 15 (contd):** Artificial Selection Exercise**Practical / Lab Work** | Celebration of World Teacher’s Day |
| **20** | (Pages 112-120) **Chapter 16 :Man and His Environment,** Levels of Ecological Organization, Components of Ecosystem, Flow of Material and Energy in Ecosystems, Biogeochemical Cycles, Carbon Cycle, |  |
| **21** | (Pages 120-128) **Chapter 16 (contd):** Nitrogen Cycle, Interactions in Ecosystems, Symbiosis Mutualisms, Ecosystem balance and Human Impact, |  |
| **22** | (Pages 129 – 136)) **Chapter 16 (contd):** Pollution : Consequences & Control of, Water Pollution Effects & Control, Conservation of Nature, Plans for Conversation of Nature, Exercise **Practical / Lab Work** |  |
| **23** | **Revision** |  |
| **24-25** | **SEND UP EXAMINATION SSC** | Celebration of Iqbal’s Day |
| **26** | **(**Pages 137-143) **Chapter 17: Biotechnology,** Introduction, Genetic Engineering, Scope & Importance of Biotechnology, Fermentation in Biotechnology, Fermenter, | Importance of Rabi-ul- Awal & Seert-un-Nabi |
| **27** | (Pages 144-147) **Chapter 17: Biotechnology,** Genetic Engineering, Achievements of Genetic Engineering, Single Cell Protein, **Practical / Lab Work** |  |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **28** | (Pages 148-149) **Chapter 17 (contd):** Exercise |  |
| **29** | (Pages 150-154) **Chapter 18 Pharmacology:** Pharmacology Introduction, Medicinal Drugs, Addictive Drugs, Drug Addiction & Associated Problems**Practical / Lab Work** |  |
| **30** | (Pages 155-156) **Chapter 18 (contd):** Antibiotics And Vaccines, Exercise**Practical / Lab Work** | National Resolve Day to Promote Education |
| **31** | (Pages 157-158) **Chapter 18 (contd):** Exercise**Practical / Lab Work** | Celebration of Quaid’s Day |
| **32** | **Revision** |  |
| **33-34** | **PRE-BOARD EXAM SSC** |  |
| **35** | Revision and test Ch # 10,11 (Solution of questions of chapter 10,11 from FBISE papers Last five years) |  |
| **36** | Revision and test Ch # 12,13 (Solution of questions of chapter 12,13 from FBISE papers Last five years) | Kashmir Day |
| **37** | Revision and test Ch # 14,15 (Solution of questions of chapter 14,15 from FBISE papers Last five years) |  |
| **38** | Revision and test Ch # 16,17 (Solution of questions of chapter 16,17 from FBISE papers Last five years) |  |
| **39** | Revision and test Ch # 18, (Solution of questions of chapter from FBISE papers Last five years) |  |
| **40** | Solution of FBISE Papers Last five years |  |
| **41** | **PREP LEAVES** |
| **FBISE SSC EXAMINATION COMMENCES** |

**Note:** Teachers are strongly recommended to collect **“Guidelines for Teachers”** from the offices of the Principals/VPs/HMs for an effective utilization of the syllabi breakdown Examination papers will be set according to the said guidelines

**WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20**

**PAKISTAN STUDIES: CLASS –X**

**Gohar Publishers Book - X**

|  |  |  |
| --- | --- | --- |
| **Academic 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 3-11) **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 , | Introduction of teacher, students and environment |
| **2** | (Pages 12-18) **Unit 5 (contd):** 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), | Importance of Labour DayThree Minutes’ Talk by 2- 3 children in each class in every week revealing their talents and building their confidence |
| **3** | (Pages 18-24) **Unit 5 (contd):** Nawaz Sharif Regimes (first and second), Pakistan emergence as a nuclear power Local self-government plan2000, | Celebration of Mother’s DaySpeech contest: Pakistan as a first Islamic Nuclear state” |
| **4** | (Pages 25-27) **Unit 5 (contd):** Election 2002 and restoration of Democracy, Enlightened Moderation, Industrialization and Privatization, Economic Reforms introduced by Pervez Musharraf and Shaukat Aziz | Importance of Ramadan Group Activity: Practice Election procedure in the classroomPractice of Fazaian Honour Code 1 |
| **5** | (Pages 28-29) **Unit 5 (contd): Exercise.** | Practice of Fazaian Honour Code 2 |
| **6-09** | **SUMMER VACATION**The Subject of Pak.Studies is not to be taught during Summer School |  |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **10** | **Revision of previous Core concepts**(Pages 30-35) **Unit 6 Pakistan in World Affairs:** Objectives of Pakistan Foreign Policy, Pakistan’s Relations with neighbouring countries, , | Practice of Fazaian Honour Code 3 |
| **11** | (Pages 35-41) **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 | Importance of Eid-Ul- AzhaPractice of Fazaian Honour Code 4 Arrange a round tablegroup discussion on thetopics : SAARC |
| **12** | (Pages 41-49) **Unit 6 (contd):** Pakistan’s relations with the major world powers (USA, China, UK, EU, Russia and Japan), United Nation (Organs of UN), | Celebration of Independence dayPractice of Fazaian Honour Code 5Arrange an exhibition with slogan “**Positive Pakistan**” on Pakistan’s contribution to maintain peace and harmony in the world. |
| **13** | (Pages 49-53) **Unit 6 (contd):** Pakistan’s contribution towards peace. **Exercise.** | Practice of Fazaian Honour Code 6 |
| **14** | (Pages 54-58) **Unit 7 Economic Developments:** Economic Development in Pakistan through Decades, | Practice of Fazaian Honour Code 7 |
| **15** | (Pages 59-64) **Unit 7: (contd)** Important Sectors of Economy Mining :Major Mineral Resources, Agriculture,Agricultural Potential along with problems and measures, | Defence day celebration Practice of Fazaian Honour Code 8 |
| **16** | (Pages 64-74) **Unit:7 (contd)** Agriculture: Water Resources and Irrigation System, Indus Water Treaty, Production and Distribution of Major Crops of Pakistan, Livestock, Fishing | Importance of Ashora-e- MoharramPractice of Fazaian Honour Code 9 |
| **17** | (Pages 74-79) **Unit 7 (contd)** Pattern of Modernisation in Agriculture, Main Problems Associated with Agriculture, Solution of Agricultural Problems, Industries of Pakistan | Practice of Fazaian Honour Code 10 |
| **18** | (Pages 79-82) **Unit 7 (contd)** Different Resources of Energy: Importance of energy resources, Electricity, Natural Gas, Petroleum, Coal, | Make a model related to energy resources |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **19** | (Pages 82-87) **Unit:7 (contd)** International Trade of Pakistan,Major Imports and Exports of Pakistan, Composition of Pakistani Trade, | World Teacher’s Day |
| **20** | (Pages 87-89) **Unit 7 (contd):** Directions of Pakistani Trade Balance Trade, Poverty Causes, Consequences and remedies of Poverty, |  |
| **21** | (Pages 89-90) **Unit 7 (contd):** Importance of Sea-ports of Pakistan, Importance of Dry-ports of Pakistan , |  |
| **22** | (Pages 90-92) **Unit 7 (contd):** Exercise | Follow the activity given on Pg-92 |
| **23** | **Revision** |  |
| **24-25** | **SEND UP EXAMINATION SSC** | Celebration of Iqbal’s Day |
| **26** | **Revision of previous Core concepts** | Importance of Rabi-ul- Awal & Seert-un-Nabi |
| **27** | (Pages 93-96) **Unit 8 Population, Society and Culture :** Growth and Distribution of Population in Pakistan, Factors Affected on Growth of Population |  |
| **28** | (Pages 96-101) **Unit:8 (contd)** Division of Population on Rural and Urban Basis, Division of population on Gender Basis, Education Condition in Pakistan, Educational Structure of Pakistan ,Educational Problems of Pakistan, | Compile a demographical censes report, based on Educational sector |
| **29** | (Pages 101-106) **Unit:8 (contd)** Health Condition in Pakistan, Health Problems and Solutions ,Major Features of Pakistani Society and Culture, |  |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **30** | (Pages 106-117) **Unit:8 (contd)**, Commonality in Regional Cultures Leading to National Integration and Cohesion, Major Social Problems of Pakistan, National and Regional Languages | National Resolve Day to Promote Education[**Classroom Activity: Put-**](http://www.tolerance.org/activity/put-ups)[**Ups**](http://www.tolerance.org/activity/put-ups)[**http://www.tolerance.org/a**](http://www.tolerance.org/a) **ctivity/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) |
| **31** | (Pages 117-120) **Unit:8 (contd):** Role of Minorities in Pakistan, Exercise | Quaid’s Day CelebrationCollect quotations from Quaid‘s speeches, related to minorities’ rights and role for making Pakistan prosperous |
| **32** | **Revision of previous Core concepts** |  |
| **33- 34** | **PRE BOARD EXAM SSC** |  |
| **35** | 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 |  |
| **36** | Revision and Tests: **Unit 6**: Objectives of Pakistan Foreign Policy, Pakistan’s Relations with neighboring countries, Kashmir Dispute, Pakistan’s relations with O.I.C countries, Pakistan’s relations with Central Asian Countries. Pakistan’s relations with SAARC Countries , | Kashmir DayShow a short documentary on OIC, SAARC and Kashmir Dispute |
| **37** | 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. | Talk on Hard work and Motivation |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **38** | Revision and Tests: **Unit 7**: Economic Developments: Economic Development in Pakistan through Decades, Major Sectors of Economy**,** Mining :Major Mineral Resources, Agriculture ,Agricultural Potential along with problems and measures, 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, |  |
| **39** | Revision and Tests **Unit 8**: Society and Culture : 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 | Talk on Honesty, Truthfulness and Compassion |
| **40** | Revision and Tests **Unit 8**: Major Features of Pakistani Society and Culture, Commonality in Regional Cultures Leading to National Integration and Cohesion, Major Social Problems of Pakistan, National and Regional Languages , Role of Minorities in Pakistan |  |
| **41** | **PREP LEAVES** |  |
| **ANNUAL BOARD EXAM (PLAIN AREAS)** |

**Note:** Teachers are strongly recommended to collect **“Guidelines for Teachers”** from the offices of the Principals/VPs/HMs for an effective utilization of the syllabi breakdown Examination papers will be set according to the said guidelines

**WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20**

مضمون : اسلامیات

کلاس دہم

|  |  |  |
| --- | --- | --- |
| **Personality Grooming Activities** | **Unit/Chapter & Topic** | **Academic Week** |
| Introduction of teacher, students and environment | **Ice-Breaking at the Session Commencement** [*Introduction with classes, Overview of Textbooks/ Syllabi/ Time Table and General Academic Scheduling*]تعارف۔ سورۃ الاحزاب کا پسِ منظر (صفحہ نمبر27تا)28درس الا رابع(الف)۔ سورۃ الاحزاب۔ آیت نمبر ۱تا ۸مفہوم اور تشریح و تفسیر ۔ لفظی و بامحاورہ ترجمہ ،التمارین | **1** |
| Importance of Labour Day | صفحہ نمبر29تا)30درس الارابع( )۔ سورۃ الاحزاب۔ آیت نمبر ۹تا ۲۰مفہوم اور تشریح و تفسیر ۔ لفظی و بامحاورہ ترجمہ |  |
| Three Minutes’ Talk by 2-3 children in each class in every week revealing their talents and building their confidence |  | **2** |
| Celebration of Mother’s Day | صفحہ 31۔ درس اول (ب)۔ سورۃ الاحزاب۔ ، التمارین  | **3** |
| Importance of RamadanFazaian Honour Code 1 | صفحہ نمبر32تا)33درس الا رابع(ج)۔ سورۃ الاحزاب۔ آیت نمبر ۲۱تا ۲۷مفہوم اور تشریح و تفسیر ۔ لفظی و بامحاورہ ترجمہ، التمارین | **4** |
| Practice of Fazaian Fazaian Honour Code 2 | صفحہ نمبر34تا)35درس الآخامس(الف)۔ سورۃ الاحزاب۔ آیت نمبر ۲۸تا ۳۴مفہوم اور تشریح و تفسیر ۔ لفظی و بامحاورہ ترجمہ، التمارین | **5** |
|  |  |  |
|  | **SUMMER VACATION****The Subject of Islamiat is not to be taught during Summer School** | **6-9** |
| Practice of Fazaian Code 3 | (صفحہ نمبر36تا )37درس ا لا َخامس() سورۃ الاحزا ب، آیات ۳۵تا ۴۰مفہوم و تشریح و تفسیر ، لفظی و بامحاورہ ترجمہ، التمارین( صفحہ 38-39 | **10** |

|  |  |  |
| --- | --- | --- |
| **Personality Grooming****Activities** | **Unit/Chapter & Topic** | **Academic****Week** |
| Importance of Eid ul Azha Practice of FazaianCode 4 | صفحہ نمبر38تا )39درس الا َخامس(ج) سورۃ الاحزا آیات ۴۱تا ،۵۲مفہوم، ترجمہ و تشریح ، لفظی و بامحاورہ ترجمہ | **11** |
| Celebration of Independence dayPractice of Fazaian Code 5 | صفحہ نمبر )39درس الا َخامس(ج )التمارین | **12** |
| 3 min talkPractice of Fazaian Code 6 | (صفحہ نمبر40تا )41درس السادس(الف) سورۃ الاحزا ب،آیات ۵۳تا ۵۸مفہوم و تشریح، لفظی و بامحاورہ ترجمہ | **13** |
| Practice of Fazaian Code 7 | صفحہ 41: درسالسادس(الف) التمارین | **14** |
| Defence day celebrationPractice of Fazaian Code 8 | (صفحہ نمبر )42درس السادس( ) سورۃ الاحزا ،آیات ۵۹تا ،۶۸لفظی و بامحاورہ ترجمہ و تشریح | **15** |
| Importance of Ashora e MuharramPractice of Fazaian Code 9 | صفحہ نمبر )43درس السادس( ) التمارین | **16** |
| Practice of Fazaian Code 10 | صفحہ نمبر )44درس السادس(ج )سورۃ الاحزاب، آیات ۶۹تا ،۷۳لفظی و بامحاورہ ترجمہ و تشریح، التمارین | **17** |
| Motivational talk on religious tolerance | صفحہ نمبر52تا )53الجز الثانی، مین ھدی الحدیث ،حدیث نمبر ۱۱تا ۱۳لفظی و بامحاورہ ترجمہ ، مفہوم ،تشریح ، وضاحت | **18** |
| Celebration of World Teacher’s Day | صفحہ نمبر )53الجز الثانی، مین ھدی الحدیث ،حدیث نمبر۱۴تا ۱۵لفظی و بامحاورہ ترجمہ ، مفہوم ،تشریح ، وضاحت | **19** |
|  | (صفحہ نمبر67تا )69الجز الثالث، موضوعاتی مطالعہ ،طہارت اور جسمانی صفائی ،تعارف  ،وضو ،غسل ، ،مشق | **20** |
|  | صفحہ نمبر70تا )71الجز الثالث، موضوعاتی مطالعہ ،بر و کر ،مارری افراادی اور اجتماعی زندگی ،مشق | **21** |
|  | صفحہ نمبر72تا )74الجز الثالث، موضوعاتی مطالعہ ،عائلی زندگی کی اہمیت ،مشق | **22** |

|  |  |  |
| --- | --- | --- |
| **Personality Grooming****Activities** | **Unit/Chapter & Topic** | **Academic****Week** |
|  | **دہرائی** | **23** |
| Celebration of Iqbal’s Day | **SEND-UP EXAMINATION SSC** | **24- 25** |
| Importance of Rabi-ul-Awal & Seert-un-Nabi | صفحہ نمبر53تا )54الجز الثانی ،مین ھدی الحدیث ،حدیث نمبر ۱۶تا ۲۰لفظی و بامحاورہ ترجمہ ،مفہوم ،تشریح ، وضاحت | **26** |
|  | صفحہ نمبر45تا )46درسالسابع(الف) سورۃ الممتحنہ ،آیات ۱تا ۶مفہوم، تشریح و تفسیر ، لفظی و بامحاورہ ترجمہ، التمارین | **27** |
|  | صفحہ نمبر47تا )48درس السابع( ) سورۃ الممتحنہ ،آیات ۷تا ۱۳مفہوم، تشریح و تفسیر ، لفظی و بامحاورہ ترجمہ | **28** |
|  | صفحہ نمبر )48درس ا لسابع( ) التمارین | **29** |
| National Resolve Day to Promote Education | الجز الثالث، موضوعاتی مطالعہ ،ہجرت و جہاد ،مشق ،صفحہ 75-78 | **30** |
| Quaid’s Day Celebration | صفحہ نمبر79تا )80الجز الثالث، موضوعاتی مطالعہ ،حقوق العباد( انسانی رشتوں اور تعلقات سے متعلق حضور اکرم صلى الله عليه وسلم کی سیرت اور ارشادات ،)مشق | **31** |
| Sharing New Year Resolutions | **(Revision of all core concepts)**دہرائی:الجزالاول۔سورۃالاحزا آیات۱تا ۳ | **32** |
|  | **PRE BOARD EXAM SSC** | **33- 34** |
| Revision of Honour Codes | صفحہ۵۸ تا۳۶ دہرائی:الجزالاول۔سورۃ الاحزاب | **35** |
| Kashmir Day | دہرائی: درس السابع ۔ سورۃ الممتحنہ آیات صفحہ 1 تا 13 | **36** |
| Talk on Hard work and Motivation | دہرائی, ٹیسٹ: ا( دیث ، حدیث نمبر11 تا 20 | **37** |

|  |  |  |
| --- | --- | --- |
| **Personality Grooming****Activities** | **Unit/Chapter & Topic** | **Academic****Week** |
|  | دہرائی, ٹیسٹ :موضوعاتی مطالعہ، طہارت و جسمانی صفائی، تعارف ، وضو، غسل، بر و کر اور مارری افراادی و اجتماعی زندگی | **38** |
| Talk on Honesty, Truthfulness and Compassion | دہرائی, ٹیسٹ :موضوعاتی مطالعہ ، عائلی زندگی کی اہمیت ، ہجرت و جہاد | **39** |
|  | دہرائی , ٹیسٹ:موضوعاتی مطالعہ، حقوق العباد، حضور اکرم صلى الله عليه وسلم کی سیرت اور ارشادات | **40** |
|  | **PREP LEAVES** | **41** |
| **ANNUAL EXAM (PLAIN AREAS)** |  |

##### **Note:** Teachers are strongly recommended to collect **“Guidelines for Teachers”** from the offices of the Principals/VPs/HMs for an effective utilization of the syllabi breakdown Examination papers will be set according to the said guidelines

**WEEKLY SYLLABI BREAKDOWN: ACADEMIC SESSION 2019-20**

**COMPUTER SCIENCE: CLASS-X**

**NATIONAL BOOK FOUNDATION Book - X**

|  |  |  |
| --- | --- | --- |
| **Academic 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 8-11) **Chapter 01: Programming Techniques,** Defining the Problem, Analyzing the Problem, Planning the Solution, Candid the Solution and Select the Best Solution. | Introduction to teacher/ interaction of students |
| **2** | (Pages 11-18) **Chapter 01 (contd):** The Algorithm, Role of Algorithm in Problem Solving, Measuring Efficiency of an Algorithm and Algorithms for Solving Problems | Importance of Labour day |
| **3** | (Pages 18-27) **Chapter 01(contd):** Flowchart**,** Importance of Flowchart, Steps for Drawing Flowcharts, Flowchart Symbols, Flowcharts to Solve Problems | Celebration of mother’s day |
| **4** | (Pages 28-29) **Chapter 01 (contd):** Key Points, Exercise, Short Questions and Extensive Questions | Importance of RamadanPractice of Fazaian Honour Code 1 |
| **5** | (Pages 30-35) **Chapter 02 Programming in C,** Introduction, Programming Languages, Characteristics of High level Languages, Popular High Level Languages, and Compiler & Interpreter.**Lab Activity**: Installation of C – Compiler | Practice of Fazaian Honour Code 2 |
| **6** | (Pages 36-42) **Chapter 02 (contd):** 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 | **SUMMER SCHOOL-SSC** |
| **7** | (Pages 43-48) **Chapter 02 (contd):** Constants and Variables, Rules for Specifying variable names, Data Types used in C Programs. Typecasting in C Language and theConstant qualifier. |
|  | **Lab Activity:** - Familiarization with IDE of C – Compiler. |  |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **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 | **SUMMER SCHOOL-SSC** |
| **9** | **REVISION** |
| **10** | (Pages 52-55) **Chapter 03 :Input and Output Handling,** Introduction, Input and Output Functions, Output Functions, Displaying Single Characters, Displaying Strings and Displaying Text, Variables, Constants and Expressions. | Practice of Fazaian Honour Code 3 |
| **11** | (Pages 55-64) **Chapter 03 (contd):** Input Functions, Statement Terminator and Format Specifiers. | Importance of Eid ul AzhaPractice of Fazaian Honour Code 4 |
| **12** | (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, | Celebrations of Independence Day Practice of FazaianHonour Code 5 |
|  | **Lab activities:** Solving arithmetic problems to calculate average, percentage, and grades etc. |  |
|  | Calculating area, volumes, parameters of some geometric shapes |  |
| **13** | (Pages 76-79) **Chapter 03 (contd):** Key Points, Exercise, Short Questions and Extensive Questions**.** | Practice of Fazaian Honour Code 6 |
| **14** | (Pages 80-85) **Chapter 04 Conditional Control Structure:** 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. | Practice of Fazaian Honour Code 7 |
| **15** | (Pages 85-92) **Chapter 04 (contd):** Structure Of IF-ELSE-IF Statement, Use of IF-ELSE-IF Statement and Switch Statement.**Lab Activity**: Comparing numbers | Celebrations of Defence DayPractice of Fazaian Honour Code 8 |
| **16** | (Pages 92-96) **Chapter 04 (contd):** Advantages and Limitation of Switch Statement, Using Conditional Operator in | Importance of Ashora e Moharram |
|  | Program and Nested Selection Structure | Practice of Fazaian |
|  | **Lab Activity:** Solving quadratic Equation | Honour Code 9 |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **17** | (Pages 96-99) **Chapter 04 (contd):** Key points and Exercise, Short Questions, Extensive Questions and Lab Activities.**Lab Activity:** Finding factorial of given numbers | Practice of Fazaian Honour Code 10 |
| **18** | **REVISION** |  |
| **19** | (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 | World’s Teachers Day |
| **20** | (Pages 109 – 114) **Chapter 05 (contd):** The WHILE Statement, The DO WHILE Statement and difference between WHILE () and DO-WHILE () Loops.**Lab Activity:** Generating / Summing of simple series (even/odd) |  |
| **21** | (Pages 115 – 120) **Chapter 05 (contd):** The Break and Continue Statement and Nested Loops. | 3 min talk |
| **22** | (Pages 121 – 123) **Chapter 05 (contd):** Key Points, Exercise, Short Questions, Extensive Questions and Lab Activities. |  |
| **23** | **REVISION** |  |
| **24-25** | **SEND UP EXAM SSC** | Celebration of Iqbal’s Day |
| **26** | (Pages 124-129) **Chapter 06 : Computer Logic and Gates,** Introduction, Data Representation in Computer, Logic Gates, Digital Logic and Logic Gates, Basic Logic Gates, Truth table and Logic Gates and their Truth Tables. | Importance of Rabi- ul- awal |
| **27** | (Pages 129– 135) **Chapter 06 (contd):** 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. |  |
| **28** | (Pages 136-137) **Chapter 6 (contd):** Key Points, Exercise, Short Questions and Extensive Questions. |  |

|  |  |  |
| --- | --- | --- |
| **Academic Week** | **Unit/Chapter & Topic** | **Personality Grooming Activities** |
| **29** | (Pages 138-149) **Chapter 7: Worldwide Web and HTML,**Introduction, Terms related with Worldwide web, Types of Websites |  |
| **30** | (Pages 149-160) **Chapter 07 (contd):** 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. | National Resolve Day |
| **31** | (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. | Celebration of Quaid’s Day |
| **32** | (Pages 171-187) **Chapter 07 (contd):** 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. Key Points, Exercise, Short Questions, Extensive Questions and Lab Activities **Lab Activity:** Create a webpage / website involvingHyperlinks and Tables |  |
| **33-34** | **PRE BOARD EXAM SSC** |
| **35** | Revision and test Ch # 01 and 02 |  |
| **36** | Revision and test Ch # 03 | Kashmir Day |
| **37** | Revision and test Ch # 04 | Talk on Hard work and Motivation |
| **38** | Revision and test Ch # 05 |  |
| **39** | Revision and test Ch # 06 & 7 |  |
| **40** | Revision and test Ch # 1-7 |  |
| **41** | **PREP LEAVES** |
| **FBISE SSC EXAMINATION COMMENCES** |

**Note:** Teachers are strongly recommended to collect **“Guidelines for Teachers”** from the offices of the Principals/VPs/HMs for an effective utilization of the syllabi breakdown Examination papers will be set according to the said guidelines