NOTIFICATION

In pursuance of Ministry of Federal Education and Professional Training Notification No.F.4(5)/2015-NCC/RE dated 13 October 2020 reviewed reduced syllabus for the subjects already notified vide letter No.3-21/FBISE/RES/CC/178 dated 16-09-2020 and syllabus for remaining subjects of Humanities Group for SSC Annual Examination 2021 is also being uploaded on the FBISE’s website www.fbise.edu.pk. However, there will be no change in the format and style of question papers.

(ZULFIQAR ALI RIZVI )
Director Research
Ph: 051-9269504

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Reduced Syllabus
SSC-I and SSC-II
Examination 2021 under FBISE

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Ministry of Federal Education and Professional Training
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منتخب نصاب أردو لازمي
شامل نصاب عنوانات برائے جماعت نہم

1. بحرت نبوی ﷺ
2. کابلی
3. ارام و سکون
4. امتحان
5. قدرايات
6. مد (نظم)
7. نعت (نظم)

پیوستہ رہ شجر سے امید بہار رکھ
8. غزل، میر تحقی میر
9. غزل، اسد اللہ خان گھاپ
10. قواعدو انشاء (خطوط نويسی، مکاہ، نويسی، روداد نويسی)
11. بمطالع كتاب أردو قواعدو انشاء نہم و دھم پنجاب تیکست بك بورژ لاور。

نوت : (1) مصنفين اور شعراء کے تعارف میں سے کونی سوال نہیں بنایا گیا۔
(2) شامل نصاب تمام اسپاق (حص، نثر، نظم، غزل و قواعد و انشاء) اور ان کے
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| 2     | Patriotism                    | - Reading Comprehension (Exercise-A)  
- Grammar Modal Verbs (Exercise –A & B)  
- Punctuation Exercise -C  
Homework: Vocabulary & Glossary (Exercise –A), Writing Skills (Exercise-E) |
| 3     | Media and its Impact          | Grammar – Adjectives – Nouns- Adverbs – Pronouns Exercises – A, B, C, E, G  
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Homework: Glossary |
| 5     | Daffodils                      | - Reading Comprehension (Exercise-A)  
- Theme/Central idea of the Poem  
- Figures of Speech (simile, metaphor, personification & imagery) Exercise-A, B, C  
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Homework: Paraphrasing of poem |
| 6     | The Quaid’s Vision and Pakistan | - Vocabulary & Glossary (Exercise A, B, C, D)  
- Reading Comprehension (Exercise-A)  
| 7     | Sultan Ahmed Mosque           | - Vocabulary (Exercise A, B, C & D)  
- Reading Comprehension (Exercise-A)  
- Grammar: Position of Adverbs, Degrees of Comparison (Exercise A, B & C)  
- Use of “Since & For” (Exercise D) page-80 |
| 8     | Stopping by Woods on a Snowy Evening (poem) | Grammar – Adjective phrases – Adverb phrases Exercises – A, B |
| 9     | Drug Addiction               | Grammar – Relatives pronouns – Adjective clauses Exercises – A, C, D |
| 11 | Noise in the Environment | Grammar – Transition devices – Adverb clauses  
Independent and dependent clause – Subordinating conjunctions  
Exercises – B, C, D, F, G |
| 12 | Three Days to See | • Vocabulary (Exercise A, B &C)  
• Reading Comprehension (Exercise-A)  
• Grammar (Conditional Type-II, Kind of sentences)  
Exercise A, B, C  
• Identification Simple, Compound & Complex sentences (Exercise-D & E)  
• Homework: Writing Skills Exercise-A |

**GRAMMAR & COMPOSITION**

i. All parts of speech (types & subtypes)  
ii. Types of phrases, clauses & sentences (Identification only)  
iii. Conditional Sentences  
iv. Verbals (Gerund, Participle & Infinitive)  
vi. Tenses, Translation Exercises, Present Tenses (page 74 to 87), Past Tenses (pages-95 to 108) Future Tenses (Pages117-131), & Correction Exercises pages # 164-168 (from English Grammar and Composition, PTB, Lahore, 1st Edition March, 2020)  
   a. Write a letter to your brother about the importance of science subjects  
   b. Write a letter to your father asking him about the health of your mother.  
   c. Write a letter to your friend condoling the death of his mother.  
   d. Write a letter to your sister congratulating her on her success in the exam.  
viii. Punctuation exercises from English Text Book (class 9th), PTB, Lahore (Unit # 2, page-19 Exercise-(c)& Unit # 4 Page # 43 Exercise-(g).  
x. Dialogue Writing (a. between teacher and student, b. between two students regarding salat, c. between a tailor and a customer)(English Grammar and Composition 9-10, PTB, Lahore, 1st Edition March, 2020)  

**NOTE:**  
1. Unit No. 3, 8,9, 10 & 11 are excluded except the grammar questions mentioned above.  
2. All Review Exercises (I, II & III) in the English Text Book are entirely excluded.  
3. The overall pattern and weightage of annual paper will remain the same, however, both objective and subjective paper will be from the reduced / selected contents.  
4. All grammar based content is supposed to be taken from the prescribed/recommended grammar book (English Grammar and Composition, PTB, Lahore, 1st Edition March, 2020)
# REVIEWED SYLLABUS
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**NOTE:**

- All Class work will be given for revision as H.W.
- The MCQ’s Portion of the annual paper will be taken from MCQ’s exercise at the end of the chapters: so MCQ’s will be done in class by class teacher.
**REVIEWED SYLLABUS**  
**GENERAL MATHEMATICS SSC-I**

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</thead>
<tbody>
<tr>
<td>Exercise 2.1</td>
<td>Q1; Q3; Q5; Q6; Q7; Q9</td>
</tr>
<tr>
<td>Review Ex 2</td>
<td>Q1; Q2</td>
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<table>
<thead>
<tr>
<th>Unit 3</th>
<th>Business Mathematics</th>
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</thead>
<tbody>
<tr>
<td>Exercise 3.1</td>
<td>Q1(i, iv); Q2; Q3(i, ii); Q5; Q6</td>
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<tr>
<td>Exercise 3.2</td>
<td>Q1(ii); Q2(ii); Q3; Q4; Q8</td>
</tr>
<tr>
<td>Exercise 3.3</td>
<td>Q1; Q2; Q5</td>
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<tr>
<td>Review Ex 3</td>
<td>Q1; Q2</td>
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<tr>
<th>Unit 4</th>
<th>Financial Mathematics</th>
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<tbody>
<tr>
<td>Exercise 4.2</td>
<td>Q2; Q3; Q6; Q7</td>
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<tr>
<td>Exercise 4.3</td>
<td>Q1; Q2; Q4; Q5</td>
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<tr>
<th>Unit 5</th>
<th>Consumer Mathematics</th>
</tr>
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<tbody>
<tr>
<td>Exercise 5.1</td>
<td>Q1; Q4; Q5; Q7</td>
</tr>
<tr>
<td>Exercise 5.2</td>
<td>Q1(i, iii, v); Q2(i, ii); Q3(i, ii, v)</td>
</tr>
<tr>
<td>Exercise 5.3</td>
<td>Q2; Q3; Q4; Q5</td>
</tr>
<tr>
<td>Review Ex 5</td>
<td>Q1; Q2</td>
</tr>
<tr>
<td>Unit 6</td>
<td>Exponents and Logarithms</td>
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</tr>
<tr>
<td>Exercise 6.1</td>
<td>Q1(ii, v, vi); Q2(i, ii, iii); Q3(i, iii, vi); Q4(i, iii, vii); Q5(ii, v, ix, xi, xii)</td>
</tr>
<tr>
<td>Exercise 6.2</td>
<td>Q1(i, iv); Q2; Q4; Q6; Q8; Q12; Q15; Q16; Q18; Q20; Q23; Q24; Q27(ii, iv, v); Q28(i, v); Q29(i, iii, vii, viii)</td>
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<tr>
<td>Exercise 6.3</td>
<td>Q1; Q2; Q5; Q6; Q9; Q11; Q13; Q14</td>
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<tr>
<td>Exercise 6.4</td>
<td>Q4</td>
</tr>
<tr>
<td>Exercise 6.5</td>
<td>Q1; Q2(i, iii, v); Q3(ii); Q4(i, iii); Q5(i, iii, iv); Q6; Q8(i, iii, iv); Q9</td>
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<tr>
<td>Review Ex 6</td>
<td>Q1; Q2</td>
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<th>Unit 7</th>
<th>Arithmetic and Geometric Sequences</th>
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<tr>
<td>Exercise 7.1</td>
<td>Q1(i, vii, ix); Q2(i, iv, v); Q3(i, iii, v)</td>
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<tr>
<td>Exercise 7.2</td>
<td>Q1(iv, v); Q2(i, iii, iv); Q3; Q4; Q7; Q9</td>
</tr>
<tr>
<td>Exercise 7.3</td>
<td>Q1(i, ii); Q2; Q4; Q7</td>
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<tr>
<td>Exercise 7.4</td>
<td>Q1; Q5(i); Q6; Q9; Q10; Q12</td>
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<td>Exercise 7.5</td>
<td>Q1(i); Q4; Q5; Q7; Q9</td>
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<td>Review Ex 7</td>
<td>Q1; Q2</td>
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<table>
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<tr>
<th>Unit 8</th>
<th>Sets and Functions</th>
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<tbody>
<tr>
<td>Exercise 8.1</td>
<td>Q1(i, iii); Q3; Q4; Q6</td>
</tr>
<tr>
<td>Exercise 8.2</td>
<td>Q1; Q2; Q4; Q5; Q6; Q8</td>
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<tr>
<td>Review Ex 8</td>
<td>Q1; Q2</td>
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<tr>
<th>Unit 9</th>
<th>Linear Graphs</th>
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<tbody>
<tr>
<td>Exercise 9.1</td>
<td>Q1; Q3(i, ii)</td>
</tr>
<tr>
<td>Exercise 9.2</td>
<td>Q1; Q6; Q7; Q9; Q11(i)</td>
</tr>
<tr>
<td>Exercise 9.3</td>
<td>Q1; Q2</td>
</tr>
<tr>
<td>Review Ex 9</td>
<td>Q1; Q2; Q3</td>
</tr>
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<table>
<thead>
<tr>
<th>Unit 10</th>
<th>Basic Statistics</th>
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<tbody>
<tr>
<td>Exercise 10.1</td>
<td>Q1; Q2</td>
</tr>
<tr>
<td>Exercise 10.2</td>
<td>Q1(i, iii)</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------</td>
</tr>
<tr>
<td>Exercise 10.3</td>
<td>Q1(i, iii)</td>
</tr>
<tr>
<td>Exercise 10.4</td>
<td>Q1(i, iii)</td>
</tr>
<tr>
<td>Review Ex 10</td>
<td>Q1; Q2</td>
</tr>
</tbody>
</table>

**NOTE:**
- MCQ’s portions of annual paper will be taken from objective exercises at the end of the chapter and objective questions will be done in class by the teacher.
اسلاميات (لازمي) جماعة نبم

الجزء الأول: من هدى القرآن:
سورة الانفال: آيات 1-48 (بمحاواره ترجمه كلمات و تراكيب بشمول تمارين مكمل)

الجزء الثاني: من هدى الحديث:
1. ترجمه ديوان 1-10
2. تشريح و عمل زندگی سے تتعلق دیث نمبر 1-5

الجزء الثالث: موضوعات مطاعم:
1. القرآن مجيد (تعارف، فايت اور فضائل)
2. الله تعالى أور اس کے رسول ضریعت و نسبت میں نبیان کی محبث اور اطاعت
3. زکوة (فرضیت اور مصرف)
4. نوت: ذکورہ بالا تیون موضوعات کے تمام مشقی سوالات شامل ہیں.
PAKISTAN STUDIES SSC-I

CHAPTER 1 IDEOLOGICAL BASIS OF PAKISTAN
TOPICS: Basis of the Ideology of Pakistan, Two Nation Theory: Origins, Evolution and explication, The ideology of Pakistan and Quaid-i-Azam
Long questions: 5-6-8

CHAPTER 2 MAKING OF PAKISTAN
Topics: Pakistan Resolution 1940, Background of Pakistan resolution, Quaid-e-Azam presidential address, text of the resolution, reaction to the resolution, Jinnah-Gandhi talks 1944, Cabinet mission plan 1946, talks with different political leaders, proposal of cabinet mission, reaction of political parties to cabinet mission. Interim government 1946-47, 3rd June 1947 plan, Quaid-e-Azam, Role in making of Pakistan, services rendered by Quaid-e-Azam.
Long question 5-6-8-10

CHAPTER 3 LAND AND ENVIRONMENT
Topics: Location of Pakistan, regions of Pakistan with reference to temperature, climatic regions of Pakistan, plain region, major environmental hazards and their remedies, environmental pollution and its types, threats to water, soil, vegetation and wildlife.
Long questions: 5-8-11-12-14-15-16

CHAPTER 4 HISTORY OF PAKISTAN (Part 1)
Topics: Early problems of Pakistan, Quaid-i-Azam, role as first governor general of Pakistan, Pakistan objective resolution 1949, Muslim family laws ordinance 1961, Indo-Pak war 1965, events of war, naval war, ceasefire, effects of war, unity and solidarity among Pakistani people. Economic development: the second five years plan (1960-65), the third five years plan (1965-70), Separation of East Pakistan and emergence of Bangladesh, causes of separation of East Pakistan.
Long question: 5-6-8-10-11

NOTE:
- All MCQs of all chapters, given in exercises are included in the syllabus.
- Short Questions will be given from the topics available in reduced Syllabus.
NOTE:

- All mini exercises, quick quiz and side information are excluded.
- Only topic-based related MCQs, Short and Long Questions and numerical are included.

### Unit 1 Physical Quantities and Measurements
1.2 Physical quantities
1.3 International system of units
1.4 Prefixes
1.5 Scientific Notation
1.6 Measuring Instruments (Vernier callipers, Screw gauge, Stop Watch only)
(Tables: 1.2, 1.3, 1.4 included)

### Unit 2 Kinematics
All theory topics 2.1-2.7 and examples 2.1-2.7, 2.10 are included.

### Unit 3 Dynamics
3.1: Force, Inertia and Momentum
3.2: Newton’s Laws of Motion (1st 2nd 3rd, mass and weight, Force and Momentum, Law of Conservation of momentum only)
3.3: Friction (Rolling Friction, Advantages / disadvantages of Friction, methods to reduce friction only)
3.4: Uniform circular motion (Centripetal force and centrifugal force only)

### Unit 4 Turning Effects of Forces
All Theory Topics 4.1-4.8 are included.

### Unit 5 Gravitation
5.1: The force of gravitation
5.2: Mass of Earth
5.3: Variation of g with Altitude

### Unit 6 WORK AND ENERGY
Theory Topics (6.1-6.4), 6.8- efficiency, 6.9- power

### Unit 7 Properties of Matter
Theory Topics:
7.2 Density,
7.3, Pressure,
7.5, Pressure in Liquid {Pascal’s Law, Application of Pascal’s Law (Hydraulic Press Only})
7.6 Archimede’s Principle,
7.7 Principle of Floatation
7.8 Elasticity, 7.9 Hook’s Law

### Unit 8 Thermal Properties
8.3, Specific heat capacity, importance of large specific Heat capacity of water, heat capacity
8.8: Thermal expansion (linear and volume expansion) consequences and applications of thermal expansion only)
(Table: 8.1, 8.3, 8.4 included)
REVIEWED SYLLABUS
CHEMISTRY SSC-I

NOTE: Side Boxes like (Society, Technology and Science, Do you known, Science, Tit Bits are excluded from the syllabus, it is obvious that the topic which are excluded questions relevant in the exercises are omitted.

Chapter: 1  Fundamentals of Chemistry
Basic definitions, Matter, substance, Mixture (types), Elements, compound, Atomic number, Mass number, Relative mass unit, Empirical formula and Molecular formula, Types of molecular formula, Molecular mass calculation, Concept of mole, Avogadro’s number, Chemical calculation, mole-mass calculation (1.5), Mole-particles calculation Example (1.6, 1.7).

Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.

Chapter: 2  Structure of Atom
Rutherford atomic model (experiment, Defects), Bohr’s atomic theory, electronic configuration

Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.

Chapter: 3  Periodic Table and Periodicity of properties
Periods and groups of elements, sandpblocks in periodictable, Periodicity of properties, Shielding effect and trends, atomic size and trends, Ionization energy and trends, Electron affinity and trends, electronegativity and trends.

Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.

Chapter: 4  Structure of molecule
Chemical Bond, Types of bond, ionic bond, covalent bond, intermolecular forces.

Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.

Chapter: 5  Physical state of Matter
Boyle’s Law, Charles Law, Liquid state, evaporation, vapor pressure, boiling point, effect of external pressure on boiling point, sublimation, types of solids (Amorphous and crystalline).

Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.

Chapter: 6  Solution
Saturated, Unsaturated, Super Saturated Solution, Concentration Units (Percentage, Molarity, Solubility, Effect of Temperature on Solubility, Comparison of Solution, Suspensions and Colloids (Only table is included).

Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.
Chapter: 7 Electrochemistry
Oxidation, Reduction, oxidation reduction in term of loss or gain of electrons, oxidation state and rules for assigning oxidation state and oxidation number, oxidizing and reducing agent, Electrochemical cell, nature of electrochemical process, concept of electrolyte, electrolytic cell, use of electrolytic cell, galvanic cell (Daniel cell), Reaction inDaniel cell, Zinc electroplating, chromium electroplating, corrosion and its prevention, rusting of iron, corrosion of Aluminum, cathodeprotection.

Note: Related self-assessments, review exercise and think tank questions of abovementioned topics are included. Side boxes and Society, science and technology are not included.

Chapter: 8 Chemical Reactivity
Metal, electropositive character, comparison of reactivity of Alkali and alkaline Earth metals, inertness of Noble metals, importance of silver, Gold, Platinum, Non-metals, Electro negativity character, comparison of reactivity of halogen.

Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.
## BIOLOGY SSC-I

### NOTE:
1. Only topic based relevant MCQs, Short and Long Questions are included.
2. All information in side boxes is excluded.

<table>
<thead>
<tr>
<th>Ch. #</th>
<th>Chapter Name</th>
<th>Topics Included</th>
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<tbody>
<tr>
<td>1</td>
<td>Introduction to Biology</td>
<td>Introduction to Biology (2-3) Branches of Biology The Levels Of Organization (7-13)</td>
</tr>
<tr>
<td>3</td>
<td>Biodiversity</td>
<td>Biodiversity (31) Importance of Biodiversity (32) Classification- Aims and Principles (33-35) Aims of classification Basis of classification Taxonomic hierarchy Two kingdom classification system (36-38) Three kingdom classification system Five kingdom classification system The five kingdoms Binomial Nomenclature (39-40) Deforestation and Overhunting (43-44) Endangered Species In Pakistan (45-46)</td>
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<tr>
<td>5</td>
<td>Cell Cycle</td>
<td>Cell Cycle (87-88) Mitosis and Its Phases (89-91) Meiosis and Its Phases (95-100) Comparison Between Mitosis and Meiosis (101)</td>
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<td>7</td>
<td>Bioenergetics</td>
<td>Oxidation and Reduction Reactions (118) ATP- The Cell’s Energy Currency (119-120)</td>
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<tr>
<td>Page</td>
<td>Section</td>
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<tr>
<td>17</td>
<td>Photosynthesis (120)</td>
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<td></td>
<td>Mechanism of Photosynthesis (121-122)</td>
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<td>Respiration (130)</td>
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<tr>
<td></td>
<td>Aerobic and Anaerobic Respiration (130-131) (Importance of Fermentation excluded)</td>
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<td>Mechanism of Respiration (132)</td>
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<td>8</td>
<td>Nutrition</td>
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<td>Components of Human Food (143)</td>
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<td>Minerals (Table 8.2 excluded) (144)</td>
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<td>Role of Calcium and Iron (145)</td>
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<td></td>
<td>Effects of Water and Dietary Fiber (150)</td>
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<td></td>
<td>Digestion In Humans (157-165) (Disorders Excluded)</td>
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<tr>
<td>9</td>
<td>Transport</td>
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<tr>
<td></td>
<td>Transpiration (173) (Opening and Closing of Stomata Excluded, Factors Affecting the Rate of Transpiration Excluded)</td>
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<tr>
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<td>Significance of Transpiration (176)</td>
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<tr>
<td></td>
<td>Transport in Human (184)</td>
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<td>Blood (185-187) (Table 9.2 Excluded)</td>
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<td>Human Heart (192-193)</td>
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<td>Pulmonary and systemic Circulation (193)</td>
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<td>Heartbeat (194-195)</td>
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<td>Heart Rate and Pulse Rate (195-196)</td>
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<tr>
<td></td>
<td>Blood Vessels (197-198) (Table 9.1 Included)</td>
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</tbody>
</table>
COMPUTER SCIENCE SSC-I

List of Topics for Theory
- Unit 01 Fundamentals of Computer Science (complete chapter)
- Unit 02 Fundamentals of Operating System (reduced)
  - 2.1 Introduction (Included)
  - 2.2 Operating System (Included)
- Unit 03 Skipped: whole chapter in theory, topic will be covered in practicals
- Unit 04 Data Communication (complete chapter)
- Unit 05 Computer Network (complete chapter)
- Unit 06 Computer Security and Ethics (complete chapter)

List of Practical(Qth)

Microsoft word
- Inserting and editing Text, Selecting Text, Copying and moving Text, Deleting Text, changing Font type, Size and Changing Font Styles and Effects.
- Inserting Symbols and Equations.
- Paragraph Formatting.
- Page Formatting, inserting Section Break, Header and Footer, Inserting Page Number and Changing Page Margins.
- Inserting and Positioning Pictures.
- Inserting WordArt.
- Inserting and Formatting Table
- Using Hyperlink

Microsoft Excel
- Copying and Moving cell contents, Use of Fill-Handle to fill cells
- Cell Formatting, Working with cell addressing, Relative Cell Addressing, Absolute Cell Addressing
- Working with Functions
- Working with Formulas
- Creating Charts
- Manipulating and Formatting data
- Conditional Formatting of data
- Sorting of Data

Inpage
- Copying, Moving and Deleting Text
- Changing Language
- Formatting Document

NOTE: In SSC-I windows practical not included in model paper so may be excluded.
Chapter 1  Introduction and role of Science
- Brief contribution of Muslim scientists
- Contribution of Pakistani scientists
  1-Dr Abdus Salam  2-Dr Abdul Qadeer Khan
- Branches of Science
- Role of science and Technology

Chapter 2  Our Life and Chemistry
- Three basic elements(Respiration,Photosynthesis)
- Properties of water as solvent
- Composition of Air, Role and Uses of air gases
- Importance and function of elements in daily life(Iodine,Chlorine,Iron)

Chapter 5  Microorganism and Diseases
- Diseases and their causes
- Bacterial diseases
- Viral diseases
- Cancer, Malaria
- Spreading of Germs
- Protection of germs and diseases
- Smoking, Abad Habit

Chapter 7  Energy
- Energy, Types of energy
- Inter conversion of energy
- Renewable energy resources

Chapter 9  Basic Electronics
- Semiconductor
- Semi conductor diode
- Radio waves
- Radio
- Computer
- Micro processor

Justification: With the removal of Exercise Question Numbers the rest of the syllabus is OK. Any Question related to given topics can be included in exams.
1. INTRODUCTION TO RELIGIONS
   • The psychological and personal value of religion
   • The social and ethical value of religion

3. ETHICS AND VALUES
   • Primacy of God
   • Systems and places of worship and their collective impact on peoples’ behavior with reference to main religions (Hinduism, Buddhism, Zoroastrianism, Christianity, Islam, Sikhism . . .)

4. ETIQUETTES
   • Places of worship

5. PERSONALITIES
   • Imam Ghazali
   • Florence Nightingale
المختصر سلبيس اسلاميات اختياريبراني جماعة نهم

باب أول: القرآن

فصلت القرآن، أيات توعيد و صفات باري تعالي، أيات رسائل ماب تآيات ايمانيات

القرآن

بسم الله الرحمن الرحيم

هو الأبدانات الحقيقية هو العلوم المنجمة هو الرؤيا الحقيقية

هو الأبدانات الحقيقية هو المفهوم المتفوق هو التفوق الحكيم

هو الأبدانات الحقيقية هو الفصيلة عملاق الخلن في إخفاء النص الفعلي

(الحصر:

وأذا يزعم أئمة القواعد من النبي و استقبل س١ . . . إنك أنت العزيز الحكيم تك (البرز

هو الذي أرسل رسولًا بالهدى و دين الحق س٨ . . . منهم مفهمة و أخراً علينا تك (الفتح: 28)

ما كان مخاطبًا س١ . . . بكل شيء علينا تك (الإحراز: 40)

بلايا النبي س٢ . . . سراجاً مهيأ تك (الإحراز: 45)

باب دوم:

الحديث (أنه ديد)

بسم الله الرحمن الرحيم

رآس الحكمة مفهمة الله

أول ما يخاطب به التهذيبة المثلوة

المصو٧ في أن أيّزه به

أيّزه الثواب و لو يطغى فترة

المنجى بالقرآن مع السمرة الكارم السبعة

أيّا المتفوق ثلاث و أن يسما و صلما و زعم البطل إذا الوطين خان و إذا حات كل، و إذا وعد الخلف

إن أكن المؤمنين ايام اللهنئهم خلقًا

أيّا الفتح من المحي

باب سوم:

تعلميات إسلام

1. تود١. ناطعة رسول ١. خد

باب جنرال: هند

أفضل الرسال، رسائل كا مفهوم، منصب اور اس كي عظمت، او وعزم إبباء

عليهم إسلام, كي تلبغي مسامع, اتحضور كي تكمل فريض، رسائل, مكي دور

عربي زبان كي قوات

امن، فعال اور رف كي بجهن, و اذ, ذلت, اور جمع, مذكر و مؤتث
1. Condition of the world with particular reference to Arabs before the Advent of Islam
   a. Conditions of Pre-Islamic Arabia viz. Religious, Social, Economics and Political

2. Life of Rasulullah (SAW)
   a. Life of Rasulullah (SAW) upto the declaration of Nubuwwat.
   b. His Daawat
   c. Hijrat-i-Habsha
   d. Shiaab-i-Abi Talib
   e. Miraj
   f. Journey to Taif
   g. Hijrat-e-Madina, Muwakhat
   h. MeethaqiMadina (Pact)
   i. Brief History of the main Ghazwat,
   j. Importance of Treaty of Hudabiya
   k. Conquest of Makkattul-Mukarrama
   l. Hajjat-ul-Widda and KhutbatulWidaa

3. Teaching of the Rasulullah (SAW)
   Teaching of the Holy Prophet (peace be upon him) as:
   a. Social Reformer, Head of the State
   b. Supreme Commander, Chief Justice

4. Khulafa-i-Rashideen
   A brief biographical description of the Khulafa-i-Rashideen
   a. Hazrat Abu Bakr Siddiq
   b. Hazrat Umar Farooq
   c. Hazrat Usman Ghani
   d. HazratAli-al-Murtaza and Hazrat Hassan

5. Achievements of Khulafa-i-Rashideen
   a. Contribution towards the cause of Islam.
III. Subject Matter of Economics
1. Wants
2. Goods and services.
5. The nature of Economic Problem (to be explained without going into the rigor of formal definitions).

IV. Basic Concepts
1. Income (Personal Income and Disposable Personal Income)
2. NI, GNP, GDP and NNP.
3. Consumption
4. Saving
5. Investment.

V. Demand
1. Definition
2. Law of demand.
3. Factors affecting demand.

VI. Supply
1. Definition.
2. Stock vs Supply
3. Law of supply.
4. Factors affecting supply.

VII. Price Determination
2. Equilibrium between demand and supply.

VIII. Production and Distribution
2. Agents/ Factors of Production (Land, Labour, Capital and Organization) and their rewards.
3. Characteristics of Land, Characteristics of Labour, Functions of Capital and Types of Organization (definitions)
REDUCED SYLLABUS
EDUCATION–IX

I. Concepts of Education
   1. Definitions and meaning of Education.
   2. General concept/view point of Education
   3. Islamic Concept/View points of Education

II. Scope and Functions of Education
   1. Function of Education for development of individual and society.

III. Human Development and Growth
   1. Meaning and definition of development
   2. Childhood
   3. Adolescence
      i) Physical and
      ii) Mental Development

IV. Learning
   1. Learning (meaning and definition)
   2. Individual differences in learning

V. Home, School and Society
   1. Meaning and definition of home, school and society
   2. Relationship between school, community and society
   3. Ways to promote home, school and community relationship
I. Introduction to Civics

II. Individuals in Interaction
Civic relationships in the following groups:
* Family   * Community   * Society   * Nation   * Ummah

III. State
1. Definition
2. Constitutional elements of state/Islamic State
3. Functions of the Islamic State
4. Role of Mass Media in a Welfare State with reference to I.T.

IV. Government
1. Definition   2. Significance   3. Executive
7. Dictatorship
9. Government’s role and functions in Islamic perspective

V. Citizen and Citizenship
1. Definition of citizen & citizenship
2. General characteristics of good citizenship
3. Nature and Significance of citizenship in Islamic perspective

VI. Rights and Responsibilities
1. Definition of Rights
2. Rights and Responsibilities with special reference to 1973 Constitution
3. Fundamental human rights
4. Rights and responsibilities in an Islamic State
5. Human Rights violation
I. Clothing and personal grooming principles of art applied to selection of fabrics and clothes:
   2. Study of design elements/Principles in dress
   3. Selection of appropriate dress and accessories

II. Selection of clothes:
   1. Factors affecting selection of clothing such as family budget, activities, seasons of the year, age, sex and occasion in terms of social customs of the country
   3. Planning clothes for wardrobe of the family members

III. Sewing equipment, its proper use and care

IV. Learning about drafting and measurement
1. **Meaning and Scope of Physical Education:**
a. Definition of Physical Education, its relationship with Health Education and General Education
b. Aims and objectives of Physical Education

2. **Theory of Movements:**
   Movements of the body:
   i. Fundamental: Stretching, Bending, Twisting, etc.
   ii. Derived: Walking, Running, Jumping, Climbing, Throwing, etc.

3. **Educational gymnastics:**
   a. Its importance and modern trends
   b. Activities in educational gymnastics:
      ii. Turning and twisting,
      iv. Balancing and weight bearing,
      vi. Forward and backward rolls.

4. **Posture:**
   Posture, its importance and defects
   (Defects: Round back, hallow back, un-even shoulders, flat foot)

7. **Games:**
   Rules and basic techniques of the following:
   i. Badminton
   ii. Volleyball

8. **Athletics:**
   Rules and basic techniques of the following Athletic events:
   i. 100, 200 meters races
   ii. Putting the shot

9. **Health Education:**
   i. Health Education and its importance
   ii. Public health problems

11. **Mechanism of body movements:**
    i. Joints
    ii. Muscles
1. **INTRODUCTION TO HOME ECONOMICS**
   1.1 Definition of Home Economics
   1.2 Aims and objectives of Home Economics
   1.3 Significance of Home Economics
   1.4 Relationship with other subjects
   1.5 Roles and responsibilities of Home Economist in family and community

2. **INTRODUCTION TO FOOD AND NUTRITION**
   2.1 Definition of food and nutrition
   2.2 Effects of malnutrition
   2.3 Functions of food
   2.4 Study of basic nutrients
   2.5 Diet and health

3. **UNDERSTANDING OF FOOD AND DIET**
   3.1 Definition of balanced diet
   3.2 Basic food groups
   3.3 Nutritional needs of individuals

5. **INTRODUCTION TO CHILD CARE AND DEVELOPMENT**
   5.1 Meaning and definition of human development
   5.2 Significance of studying human development
   5.3 Principles of growth and development

8. **ROLE OF FAMILY AND COMMUNITY IN HUMAN DEVELOPMENT**
   8.1 Parent child relationship
   8.2 Sibling relationship
   8.3 Peer relationship
   8.4 Role of Caretaker
1. **Nutrition and Health:**
   1. What is nutrition? Essentials of good nutrition
   2. Signs of good nutrition
   3. Study of daily food intake using the three basic food groups.
      a. Foods for protection
      b. Foods for energy
      c. Foods for growth
      Importance of cultivating desirable food habits

2. **Food nutrients and body requirements; Food and its nutrient composition, carbohydrates,fats, proteins, vitamins, minerals and water**
   Sources of food nutrients, General functions of food nutrient and the effect of deficiencies
REDUCED SYLLABUS
ENGLISH LITERATURE – I

Prescribed Books:
i. Poetry: More poems for Young people (Part-I) Oxford University Press, Lahore
   (Poem No. 2 and 3 are excluded)
ii. Prose: Great Expectations (Abridged Series, Longmans)
   Questions related to the following prose:
   1. Pip  2. Mrs. Joe  3. Mr. Joe
   4. The Two Prisoners  5. Miss Havisham
   6. Estella
   and story (plot of the play) only shall be given.
iii. Plays: Two one act plays edited by D.Y. Morgan
   (Oxford University Press) (Count’s Revenge) only one play
   Questions related to “THE COUNT OF MONTE CRISTO. (formerly called
   Edmond Dantes) and story (plot of the play) only shall be given.
فصل من نور الله عدوله

1. الدروس الأولى: الابنءة والأخلاق الحسنة
2. الدروس الثانية: المنهج الرسولي
3. الدروس الثالثة: محادثة
4. الدروس الرابعة: من هذا النبأ
5. الدروس الخامسة: رواية الكلم
6. الدروس السادسة: السفر إلى الولد والرد عليه
7. الدروس السابعة: أنصح المختار
8. الدروس الثامنة: شعر السنة والكتب
9. الدروس التاسعة: مباحث الرسول
10. الدروس العاشرة: محادثة
11. الدروس الحادية عشر: رسول الله بأمره بالأخلاق الحسنة
12. الدروس الثاني عشر: شعر المذاهب النبوية
13. الدروس الثالث عشر: وطننا
14. الدروس الستون: جمهورية باكستان الإسلامية
15. الدروس السادسة عشر: انتخاب الإسلام
16. الدروس السابعة عشر:
الصديق الأكبر رضي الله عنه
المراسلة (2)
17. الدروس التاسعة عشر:
رسالة الصديق إلى صديق وارتد علَّيها
وِثَّنَتَنَا (3)
20. الدروس العشرون:
قراءة باكستان وخبراتها
**REDUCED SYLLABUS**

**Art and Model Drawing SSC-I**

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<th>Chapters</th>
<th>Points to be discussed Generally</th>
<th>Contents to be focused on:</th>
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| **Architecture** | • Comprehension and application of four steps of Art Appreciation: description, Analysis, Interpretation and Evaluation.  
• Difference in Architecture relating from ancient time to contemporary times.  
• General introduction to respective civilizations/ periods.  
• Focus should be on the general plan and techniques employed in ornamentation. | ✓ Great Bath  
(Is important to study the religious beliefs, use of standardized brick, materials (the choice of materials) salient features, and its historical significance.)  
• Julian Monastery  
(Why the Monasteries were made an its presence in & around the monastery.)  
• Lahore fort in Mughal era  
• Badshahi mosque  
• Quaid-e-Azam Mausoleum  
• Minar-e-Pakistan  
(discuss in detail time line, Area, plan, influences, symbolism, material and technique, with special focus on the decorative aspect of the above mentioned) |
| **Painting** | • General introduction to respective periods and regions with geographical conditions, economic conditions, social set up, religious beliefs.  
• Introduction to miniature paintings, beginning, climax and decline.  
• Focus on the technique of painting. | ✓ Buddha with blue Lotus flower  
✓ Mughal miniature painting  
✓ Master painters of Pakistan*  
• Shakir Ali  
• Allah Baksh  
• Anna Molka Ahmed  
(discuss in detail time line, area, influences, symbolism, material and technique, with special focus on the style of the above mentioned  
*Biography and at least 3 characteristic work) |
| **Calligraphy** | • Introduction to historical background of traditional technique  
• Differentiate between the work of traditional master calligrapher and the artworks where calligraphy is the subject of painting. | ✓ Traditional, Geometrical and Cursive Calligraphy  
✓ Master Calligraphers of Pakistan*:  
(Master calligrapher)  
• Sadequain  
• KhushidGoharQalam  
• ( Calligraphic painters)  
(discuss the time line, area, influences symbolism, material and technique with special reference to the individual style of the above mentioned and *Biography and characteristics of work) |
| **Crafts: Textile** | • Trace the development of Art/craft in the sub-continent.  
• Interpret, identify and relate | • Printing  
Block printing- Ajrak  
• Embroidery: |
features that are common in the mentioned historical and contemporary regional crafts.

Embroidery in regional styles - Ralli and mirror work
(discuss in detail time line, area, influences, symbolism, material and technique and decorative aspects of the above mentioned)

In addition to above mentioned categories students must explore their surroundings and historical/contemporary/regional examples.

ART & MODEL DRAWING I

STUDIO WORK:
Details of Portfolio (End of Year’s work)  Max Marks: 50

2D FINE ARTS
Drawing/ Painting
- Still life 4
- Landscape 3
- Nature study 2

The works should reflect the observational skills in drawing and painting. Students should be encouraged to have maximum practice in sketching and drawing and explore maximum options available in mediums.

Medium: lead and colour pencil, crayons, pastels, water colours, poster colours, and mixed media.

2D APPLIED ARTS
- Calligraphy 3
  a. Study the anatomy of letter; Urdu and English.
  b. Reduction and enlargement(Medium as per choice)
- Posters 4
  (The posters should reflect the drawing, painting and calligraphy skills along with creative idea)
  Medium: poster colours and mixed media
- Repeat Pattern 12
  (Students must workout different types of repeats) using mainly Poster colours

RATIONALE FOR THE REDUCTION OF SYLLABUS

PART-I
- Nothing was reduced from Architecture Section
- In Painting Section painters were halved by the reduction of 3 painters. Surviving painters will give a clear idea about the painting scene in Pakistan.
- The same was done in Calligraphy Section.
- One craft was reduced in the last section
- Nothing is reduced from the practicales.
- Briefing from teachers can enable students to complete their work at home.
REDUCED SYLLABUS
GEOGRAPHY
For Class IX (marks 75)

1. Understanding Geography
   i. Geography
   ii. Scope and main branches of Geography.
   iii. Geography and other Social and Natural Sciences.

2. The Earth Basic Concerns
   i. Earth in the Universe
   ii. Shape and size of the earth
   iii. Earth movement

3. The Land
   i. Structure of the Earth
   ii. Physical features
   iii. Agents of change

4. Oceans and Seas
   i. The World Oceans, Seas and human life

5. The Atmosphere
   i. Introduction
   ii. Understanding Atmosphere
   iv. Winds
   v. Clouds
   vi. Rainfall
REDUCED SYLLABUS
GEOGRAPHY OF PAKISTAN – I
(In lieu of Urdu Compulsory Paper – I)

1. The Creation of Pakistan
   Neighbors, Administrative Divisions and Emergence of Pakistan

2. Land form
   Mountains, Plateaus, Plains, Deserts, and Rivers, Physiographic divisions

4. Natural Vegetation
   Types and distributions, importance, deforestation and afforestation

7. Population
   Size, Growth, Urbanization, Distribution of rural population, Occupation, Employment and population problems

8. Cities and villages
   Geographical characteristics of Pakistan villages and cities, function and importance of Peshawar and Quetta
1. a. Definitions of Commercial Geography  
b. Relationship of Commerce and Geography  

2. **Base of Commercial Activities**  
a. Definitions of demand, supply, Market, Business and trade  
c. Factors promoting market, business and trade. (Location, Culture and Transportation)  

3. **Resources of Pakistan**  
a. Resources  
b. Types of resources (Primary & Secondary)  
c. Commercial activates  

4. **Commercial Resources of Pakistan Agriculture**  
a. Agriculture  
b. Agricultural products and their distribution inland (major cities only)  
c. Major areas of Production  
d. Commercial Agriculture  
i. Livestock  
ii. Fishery  
Agro- Commercial activities, Technology, storage, Communication (Be discussed briefly)  

5. **Commercial Resources of Pakistan (Minerals & Powers)**  
b. Important minerals and power resources  
c. Production, distribution and uses  
d. Energy (Oil, Gas, Electricity and Solar energy)  
e. Brief introduction of Nuclear Energy
منتخب نصاب‌آردو لازمی
شمل نصاب عنوانات برانی جماعت دم

1. مہ (نظم)
2. نعت (نظم)
3. نظیر پاکستان
4. مجهز میر سی دوستوں سے بجاو
5. ملمع
6. چعل حور
7. نام دیوی می
8. علی بخش
9. میدان کریلا مین گرمی کی شدت
10. فاطمہ بنت عبد‌اللہ
11. سری موبنی(عذب) غزل
12. چگر مراد ابادی (عذب)
13. قواعد انشاء (مضمون دگری، کہانی نویسی)

نوت: (1) مصنفین اور شعراء کی تعریف میں سی کونی سوال نہیں بنایا گیا گا
شمل نصاب تمام اسپاہ (حص، نثر، نظم، غزل و قواعد و انشاء) اور ان کے
(2) مشقی سوالات سے پیپر بنایا گیا گا.
<table>
<thead>
<tr>
<th>Unit #</th>
<th>Title</th>
<th>Contents /Exercises to be covered</th>
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</table>
| 1     | Hazrat Muhammad (PBUH) an Embodiment of Justice | * Glossary & Vocabulary (Ex-A&B)*  
|       |                                           | * Reading Comprehension (A &C)*  
|       |                                           | * Grammar: Concrete & Abstract Noun (Exercise A,B &C)*  
|       |                                           | **Homework: Writing Skills Exercise (A&B)**                          |
| 2     | Chinese New Year                          | Grammar – Collective Nouns  
|       |                                           | **Exercises – A**                                                    |
| 3     | Try Again (Poem)                          | * Theme of the poem*  
|       |                                           | * Stanza Comprehension*  
|       |                                           | * Reading Comprehension Exercise (A)*  
|       |                                           | * Figures of Speech (Simile & Alliteration)*  
|       |                                           | * Grammar: Personal Pronoun & Degrees of Adjectives (Exercise A,B,C & D)*  
|       |                                           | **Homework: Writing Skills Exercise (A)**                            |
| 4     | First Aid                                 | * Glossary Exercise – A, B & C*  
|       |                                           | * Reading Comprehension Exercise (A & B)*  
|       |                                           | * Grammar (Adverb, Adverb Phrase, Infinitive & gerund) Exercise – A, B, C & D*  
|       |                                           | **Homework: Writing Skills “How to take care of cuts and scraps?”** |
| 5     | The Rain (Poem)                           | * Theme*  
|       |                                           | * Stanza Comprehension*  
|       |                                           | * Figures of Speech (Metaphor & Personification)*  
|       |                                           | * Vocabulary Exercise A, B, C & D*  
|       |                                           | * Reading Comprehension Exercise (A & B)*  
|       |                                           | * Grammar (Transitive & Intransitive Verbs) Exercise (A)*              |
| 6     | Television Vs Newspaper                   | Grammar – First Conditionals  
|       |                                           | **Exercises – C**                                                    |
| 7     | Little by Little One Walks Far            | Indefinite Pronouns  
|       |                                           | **Exercises – A, B**                                                 |
| 8     | Peace (Poem)                              | Grammar – Pronouns  
|       |                                           | **Exercises – A, B, C**                                              |
| 9     | Selecting the Right Career                | * Glossary, Vocabulary (Exercise A, B & C)*  
|       |                                           | * Reading Comprehension (Exercise A)*  
|       |                                           | * Grammar (Noun Clause)*  
|       |                                           | **Homework: Writing Skills (Exercise C)**                            |
| 10    | The World without Books                   | * Reading Comprehension Exercise (A)*  
|       |                                           | * Grammar (Relative Pronoun & Adjective Clause) Exercise (A & B)*  
<p>|       |                                           | <strong>Homework: Glossary &amp; Vocabulary</strong>                                   |</p>
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<td>Great Expectations</td>
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<td>Population Growth and World Foods Supplies</td>
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<td>Faithfulness</td>
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**GRAMMAR & COMPOSITION**

i. All parts of speech (types & subtypes)
ii. Types of phrases, clauses & sentences(Identification only)
iii. Conditional Sentences
iv. Verbals (Gerund, Participles & Infinitive)
v. Narration (Exercises from pages 173 -177, English Grammar and Composition, PTB, Lahore,1<sup>st</sup> Edition March, 2020)
vi. Prepositional /Phrasal Sr#1-60 (Pages 159 –161,English Grammar and Composition, PTB, Lahore,1<sup>st</sup> Edition March, 2020)
viii. Application /Letter
   a. Write an application to the MD of a firm for the post of Manager.
   b. Write an application to the principal of your school regarding access to e-library
   c. Write a letter the editor of a newspaper regarding poor sanitation.
   d. Write a letter the editor of a newspaper regarding increasing rate of street crimes.
ix. Essay writing
   a. My Aim in Life
   b. Overpopulation
   c. Patriotism
   d. Beauties of Village Life
   e. My Ideal Personality
   f. Green and Clean Pakistan

**NOTE:**
1. Unit No.2, 6, 7,8,11 &12 are excluded except the grammar questions mentioned above.
2. All Review Exercises (I, II & III) in the English Text Book are entirely excluded.
3. The overall pattern and weightage of annual paper will remain the same, however, both objective and subjective paper will be from the reduced /selected contents.
4. All grammar based content is supposed to be taken from the prescribed /recommended grammar book “English Grammar and Composition, PTB, Lahore,1<sup>st</sup> Edition March, 2020.”
# REVIEWED SYLLABUS
## MATHEMATICS SSC-II
### Science Group

### Unit 1: Quadratic Equations
- **Ex. 1.1** Q1(iv, vi); Q2(i, iv, v); Q3(i, ii, iv, vi, vii, viii, ix)
- **Ex. 1.2** Q1(iii, iv, vii, viii, ix)
- **Ex. 1.3** Q2; Q4; Q5; Q7; Q9; Q10; Q13; Q14
- **Ex. 1.4** Q3; Q7; Q8; Q10; Q11
- Miscellaneous Ex 1 Q1; Q2; Q3

### Unit 2: Theory of Quadratic Equations
- **Ex. 2.1** Q1(i, iii); Q2(iii, iv); Q3; Q4(ii, iii); Q5; Q6; Q8(ii)
- **Ex. 2.2** Q1; Q2(ii, iv, vii, viii); Q3; Q5
- **Ex. 2.3** Q1(i, ii, iv); Q2(i); Q3(i); Q4(ii); Q5(ii, iii); Q6(i)
- **Ex. 2.4** Q1(ii, iii); Q2(iii, iv)
- **Ex. 2.5** Q1(c, g, h); Q2(a, c, d, e); Q3(a)
- **Ex. 2.6** Q1(ii, iii); Q2(ii); Q3(i); Q4(i, iii); Q5(i)
- **Ex. 2.7** Q1; Q3; Q4; Q5; Q6; Q9
- **Ex. 2.8** Q2; Q4; Q5; Q6; Q7
- Miscellaneous Ex 2 Q1; Q3

### Unit 3: Variations
- **Ex. 3.1** Q1(iii, iv); Q2(i, ii); Q3; Q4; Q6; Q9; Q11(iii, iv)
- **Ex. 3.2** Q1(i, iii); Q3; Q6; Q7; Q8; Q9
- **Ex. 3.3** Q1(iii, iv, vi); Q2(ii, iv, v); Q3(iii, iv); Q4(ii, iii)
- **Ex. 3.4** Q1(i, iv, v, vii); Q2(iii, v, vi, viii, ix)
- **Ex. 3.5** Q2; Q3; Q5; Q6
- **Ex. 3.6** Q1(ii, iii, iv, vi); Q2(i, ii)
- **Ex. 3.7** Q1; Q2; Q6; Q7; Q8
- Miscellaneous Ex 3 Q1; Q3

### Unit 4: Partial Fractions
- **Ex. 4.1** Q2; Q3; Q4; Q7; Q8
- **Ex. 4.2** Q1; Q2; Q4; Q7
- **Ex. 4.3** Q1; Q4; Q6; Q8
- **Ex. 4.4** Q1; Q2; Q3
- Miscellaneous Ex 4 Q1

### Unit 5: Sets and Functions
- **Ex. 5.1** Q2(i, iv); Q3(i, iii, v); Q4(i, ii, iii, iv); Q5(i)
- **Ex. 5.2** Q1(ii, iii); Q2; Q3; Q4(i)
- **Ex. 5.3** Q1(i, v, vi); Q3; Q4(i, iii, iv, v)
- **Ex. 5.4** Q2; Q3(i, iii); Q4; Q5(ii, iii)
- **Ex. 5.5** Q1; Q2; Q4; Q5; Q6(vii, viii)
- Miscellaneous Ex 5 Q1; Q2; Q3

### Unit 6: Basic Statistics
- **Ex. 6.1** Q1; Q2; Q4; Q5
- **Ex. 6.2** Q3; Q6; Q7; Q9; Q10; Q12; Q13

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<td>Chords of a Circle</td>
<td>Miscellaneous Ex 9</td>
<td>Q1; Q2</td>
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<td>10</td>
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<td>Ex. 10.1</td>
<td>Q1</td>
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<td>Ex. 10.2</td>
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<td>Theorems</td>
<td>Theorem 3; Theorem 4(A); Theorem 4(B)</td>
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<td>Miscellaneous Ex 10</td>
<td>Q1</td>
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<td>11</td>
<td>Chords and Arcs</td>
<td>Ex. 11.1</td>
<td>Q1; Q2</td>
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<td>11</td>
<td>Chords and Arcs</td>
<td>Theorems</td>
<td>Theorem 1; Theorem 3; Theorem 4</td>
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<td>11</td>
<td>Chords and Arcs</td>
<td>Miscellaneous Ex 11</td>
<td>Q1</td>
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<td>12</td>
<td>Angle in a Segment of Circle</td>
<td>Theorems</td>
<td>Theorem 1; Theorem 3</td>
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<td>Angle in a Segment of Circle</td>
<td>Miscellaneous Ex 12</td>
<td>Q1</td>
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<td>13</td>
<td>Practical Geometry- Circle</td>
<td>Ex. 13.1</td>
<td>Q3(ii); Q5; Q6</td>
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<tr>
<td>13</td>
<td>Practical Geometry- Circle</td>
<td>Ex. 13.2</td>
<td>Q1; Q2; Q3; Q6; Q7</td>
</tr>
<tr>
<td>13</td>
<td>Practical Geometry- Circle</td>
<td>Ex. 13.3</td>
<td>Q1; Q2; Q3; Q5; Q6; Q9</td>
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<td>Practical Geometry- Circle</td>
<td>Miscellaneous Ex 13</td>
<td>Q1; Q2; Q3</td>
</tr>
</tbody>
</table>

**NOTE:**
- All Class work will be given for revision as H.W.
- The MCQ’s Portion of the annual paper will be taken from MCQ’s exercise at the end of the chapters: so MCQ’s will be done in class by class teacher.
# REVIEWED SYLLABUS
## GENERAL MATHEMATICS SSC-II

### Unit 1
**Algebraic Formulas and Applications**
- **Exercise 1.1** Q2; Q4; Q7; Q8; Q9; Q11; Q14; Q15; Q20; Q21; Q24; Q28; Q31
- **Exercise 1.2** Q1; Q3; Q4; Q8; Q9; Q12; Q13; Q15; Q17; Q20; Q22
- **Exercise 1.3** Q1; Q2(iii, v); Q3(i, iii, vi, viii); Q4; Q6; Q7
- **Review Ex 1** Q-I; Q-II

### Unit 2
**Factorization**
- **Exercise 2.1** Q1; Q2; Q5; Q8; Q9; Q12; Q14; Q16
- **Exercise 2.2** Q1; Q4; Q6; Q7; Q8; Q12
- **Exercise 2.3** Q1; Q2; Q3; Q4; Q6; Q9; Q12; Q13; Q16; Q17
- **Exercise 2.4** Q1; Q2; Q6; Q7; Q12; Q13; Q16; Q17; Q19; Q21
- **Exercise 2.5** Q6; Q9; Q10; Q16; Q17; Q18; Q19; Q20
- **Review Ex 2** Q-I; Q-II

### Unit 3
**Algebraic Manipulations**
- **Exercise 3.1** Q1; Q3; Q6; Q7; Q8; Q12; Q13
- **Exercise 3.2** Q1; Q3; Q5; Q7; Q8
- **Exercise 3.3** Q1; Q4; Q5; Q6; Q8; Q10; Q13
- **Exercise 3.4** Q1; Q3; Q7; Q9; Q12; Q14; Q16
- **Exercise 3.5** Q1; Q2; Q3; Q5; Q8; Q10; Q12
- **Exercise 3.6** Q1; Q3; Q4; Q9; Q11
- **Review Ex 3** Q-I; Q-II

### Unit 4
**Linear Equations and Inequalities**
- **Exercise 4.1** Q1(i, iii); Q2; Q3; Q7; Q10; Q11; Q12; Q15; Q20
- **Exercise 4.2** Q1; Q5; Q7; Q9; Q12; Q14; Q16
- **Review Ex 4** Q-I; Q-II

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<tr>
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<tr>
<td>Exercise 5.1</td>
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<td>Exercise 5.2</td>
<td>Q1; Q4; Q5; Q7; Q9; Q11</td>
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<td>Exercise 5.3</td>
<td>Q1; Q3; Q6; Q8</td>
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<td>Exercise 6.1</td>
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<td>Q1(i, iii, iv); Q3(i); Q4; Q5(ii); Q6; Q8; Q10; Q11</td>
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<td>Exercise 6.4</td>
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<td>Q1(i, ii); Q2(i, iii); Q3(i, iv); Q4; Q5</td>
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<tr>
<td>Exercise 7.1</td>
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<td>Exercise 9.2</td>
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<td>Q1; Q2; Q4; Q6; Q8</td>
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<td><strong>Unit 10</strong></td>
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<td>Q-I; Q-II</td>
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إسلاميات (لازمي) جماعة ديم

الجزء الأول: من هدى القرآن:
1. سورة الآزاب آيات 1-34
2. سورة المهدئة آيات 1-6
(بمراجعة ترجمة الكلمات والتركيب بشملة تمارين مكمل)

الجزء الثاني: من هدى الحديث:
1. ترجمة حديث نمبر 11-20
2. تشريحة وعمل زندگی سے تعلق حديث نمبر 11-15

الجزء الثالث: موضوعات متعلقة:
1. طبیعات
2. عائلی زندگی
3. طبرات
4. بجرت و جهاد

نوت: ذکرہ بالا تین موضوعات کے تمام مشقی سوالات شامل ہیں.
PAKISTAN STUDIES SSC-II

CHAPTER 6 HISTORY OF PAKISTAN II
TOPICS: Key aspects of the constitution of 1973, major aspects of the Islamization process during 1977-88, Pakistan as a nuclear power, the system of devolution of power initiated by Pervez Musharraf with particular emphasis on local self-government, local government plan 2000.
Long questions: 2-3-4-7

CHAPTER 7 FOREIGN RELATIONS OF PAKISTAN
Topics: objectives of Pakistan’s foreign policy, Pak-India relation, Pak-China relation, Pak-Afghan relation, genesis and development of Kashmir issue, Pakistan development of Kashmir issue, Pakistan relation with central Asian countries, Pakistan contribution towards peace-keeping in world.
Long question 1-2-3-5-7-8-12

CHAPTER 8 ECONOMIC DEVELOPMENT
Topics: Agriculture, main problems associated with agriculture, industries of Pakistan, different sources of energy, important sector of economy, Agriculture potential of Pakistan along with problems and measures for maximization of yield.
Long questions: 1-2-3-8-9

CHAPTER 9 POPULATION, SOCIETY AND CULTURE OF PAKISTAN
TOPICS: Major Features of Pakistani Society and Culture, Educational Structure of Pakistan, Major Social Problems of Pakistan, Role of minorities in Pakistan, commonality in regional cultures leading to national integration and cohesion.
Long question: 1-2-5-6-7

NOTE:
- All MCQs of all chapters, given in exercises are included in the syllabus.
- Short Questions will be given from the topics available in reduced Syllabus.
PHYSICS SSC-II

NOTE:
- All Conceptual questions given at the end of each chapter in exercises and side information are excluded.
- Only topic based related MCQs, Short and Long Questions and numerical are included.

UNIT 10 SIMPLE HARMONIC MOTION AND WAVES
10.1 Simple Harmonic Motion (Mass Attached with spring, Motion of simple Pendulum only)
10.3 Wave Motion
10.4 Types of mechanical waves

UNIT 11 SOUND
11.1 Sound Waves
11.2 Characteristic of sound (Loudness, pitch, quality, intensity, intensity level)
11.3 Reflection of sound (Echo)
11.4 Speed of sound (Measuring speed of sound by Echo Method is excluded)
11.7 Audible frequency range
11.8 Ultra sound
(Tables: 11.1, 11.2 are included)

UNIT 12 GEOMETRICAL OPTICS
All theory topics from 12.1 - 12.10

UNIT 13 ELECTROSTATICS
13.1 Production of electric charges
13.2 Electrostatic induction
13.4 Coulomb’s Law
13.5 Electric Field and electric intensity
13.6 Electrostatic Potential
13.7 Capacitors and capacitance

UNIT 14 CURRENT ELECTRICITY
All theory topics from 14.1-14.11

UNIT 15 ELECTROMAGNETISM
15.1 Magnetics effects of steady current
15.5 electromagnetic induction
15.6 Direction of induce emf, Lenzs law
15.8 Mutual induction
15.9 Transformer

UNIT 16 BASIC ELECTRONICS
16.1 Thermionic emission
16.2 Investigating the properties of electron
16.4 Analog and Digital electronics
16.5 Basic operation of digital electronics
16.6 - 16.10 All Logic gates

UNIT 18 ATOMIC AND NUCLEAR PHYSICS
18.1-18.9 (all theory topics)
PHYSICS – SSC
LIST OF PRACTICALS

SECTION-A
1. To measure the volume of a solid cylinder by measuring length and diameter of a solid cylinder with Vernier calipers.
2. To measure the thickness of a metal strip or a wire by using a screw gauge.
3. To find the acceleration of a ball rolling down an angle iron by drawing a graph between $2S$ and $T^2$.
4. To study the relationship between load and extension (Helical spring) by drawing a graph.
5. To find the density of a body heavier than water by Archimedes principle.

SECTION-B
1. To study the effect of the length of simple pendulum on its time period and hence find “$g$” by calculation.
2. To verify the laws of refraction by using a glass slab.
3. To find the refractive index of water by using concave mirror.
4. To trace the path of a ray of light through glass prism and measure the angle of deviation.
5. To verify the truth table of OR, AND, NOT, NOR and NAND gates.
REVIEWED SYLLABUS
CHEMISTRY SSC–II

NOTE: Side Boxes like (Society, Technology and Science, Do you known, Science, Tit Bits are excluded from the syllabus, it is obvious that the topic which are excluded questions relevant in the exercises are omitted.

Chapter 9: Chemical Equilibrium
Reversible reaction and dynamic equilibrium, Law of mass action and its derivation, equilibrium constant and its unit, Importance of equilibrium constant.
Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.

Chapter 10: Acid, Bases, and salt
Concept of Acid and bases, Arrhenius, Lowry and Bronsted-Lowery, Lewis concept of acid and bases, pH scale, Salts, Uses of salts.
Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.

Chapter 11: Organic Chemistry
Organic compound, Chemical diversity and magnitude of organic compound, general characteristic of organic compound, condensed and structural formula, saturated and unsaturated hydrocarbon, Naming alkane, sources, and uses of organic compound, alkane and alkyl radical, classification of organic compound, functional group (complete topic).
Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.

Chapter 12: Hydrocarbon
Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.

Chapter 13: Biochemistry
Carbohydrates and its types, sources and uses of carbohydrates, nucleic acid, DNA, RNA, Vitamin and Types of Vitamin.
Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.

Chapter 14: Environmental Chemistry
Layers of atmosphere, Air pollutants, Effect and sources of air pollutant, Global warming, acid rain and its effects, Ozone depletion and its effect.
Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.

Chapter 15: Environmental Chemistry II Water
Topics: Soft and Hardwater, Types of soft and hardwater, Method of removing hardness
Chapter 16  Chemical Industries
Topics: Basic metallurgical operation, Solvay process, Urea, Fractional distillation of petroleum.

Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.

**NOTE:**
- It is obvious that questions of topics not mentioned above are not included in exam.
- Paper will be curriculum based not book based.
REVIEWED LIST OF PRACTICALS
CHEMISTRY-SSC

Physical States of Matter
Determine the Melting Point of Naphthalene. Major Determine the Boiling Point of Ethyl Alcohol. Major
Separate naphthalene from the given mixture of sand and naphthalene by sublimation. Major

Solutions
Prepare 100 cm³ of 0.1M NaOH solution. Major Prepare 250 cm³ of 0.1M HCl solution. Major
Prepare 100 cm³ of 0.1M NaOH solution from the given 1M solution. Major
Prepare 100 cm³ of 0.01M HCl solution from the given 0.1M solution. Major
Prepare 100 cm³ of 0.01M oxalic acid solution from the given 0.1M solution. Major
Prepare pure Copper Sulphate crystals from the given impure sample. Minor
Demonstrate that temperature affects solubility. Minor

Electrochemistry
Demonstrate the conductivity of different given solutions. Minor

Chemical Reactivity
Demonstrate that an element and a compound can react to form a different element and a different compound. Minor
Demonstrate that some chemical reactions absorb energy. Minor

Acids, Bases and Salts
Identify sodium, calcium, strontium, barium, copper, potassium radicals by flame test. Minor
Standardize the given NaOH solution volumetrically. Major Standardize the given HCl solution volumetrically. Major
Determine the exact molarity of the Na₂CO₃ solution volumetrically. Major
Classify substances as acidic, basic or neutral Minor

Organic Chemistry
Identify aldehydes using Fehling’s test and Tollen’s test. Major
Identify carboxylic acids using sodium carbonate test. Major Identify Phenol using Ferric Chloride test. Major

Hydrocarbon
Identify saturated and unsaturated organic compounds by KMnO₄ test. Minor

Water
Demonstrate the softening of water by removal of calcium ions from hard water. Major
# BIOLOGY SSC-II

**NOTE:**
1. Only topic based relevant MCQs, Short and Long Questions are included.
2. All information in side boxes is excluded.

<table>
<thead>
<tr>
<th>Ch. #</th>
<th>Chapter Name</th>
<th>Topics Included</th>
</tr>
</thead>
</table>
| 10    | Gaseous Exchange | Gaseous Exchange in Plants (page 2-3)  
Gaseous Exchange in Humans (4-6)  
The Lungs (6)  
Mechanism of Breathing (7) |
| 11    | Homeostasis   | Osmotic Adjustment in plants (20-21)  
Urinary System of Human  
Structure of Kidney, Functioning of Kidney, Osmoregulatory Function of the Kidney (22-26)  
Dialysis (27-28) |
| 12    | Coordination and Control | Types of Coordination (Coordination Action Excluded) (33)  
Human Nervous System (34-41)  
Receptors in Humans, Eye (42-43)  
Ear (45-46)  
Endocrine System (47-51) |
| 13    | Support and Movement | Human Skeleton (57)  
Bone and Cartilage (58-60)  
Components of Human Skeleton (60)  
Types of Joints (62-63)  
Muscles and Movement (63-64) |
| 14    | Reproduction | Reproduction (70)  
Methods of Asexual Reproduction (70-75)  
Binary Fission, Fragmentation, Budding, Spore Formation,  
Parthenogenesis, Vegetative Propagation (natural and Artificial Vegetative Propagation Excluded)  
Sexual reproduction in plants (78)  
Sexual Reproduction in Flowering Plants (78-81)  
Pollination and Its Types  
Sexual Reproduction in Animals (84)  
Formation of Gametes (84-85)  
Reproduction in Rabbit (87-88) |
| 15    | Inheritance | Introduction to Genetics (94)  
Chromosome and Genes (94-98)  
Mendel’s Laws of Inheritance (90-101) |
| 16    | Man and His Environment | Components of Ecosystem (114)  
Biogeochemical Cycles (119-121)  
Interactions in Ecosystems (122-125) |
| 17    | Biotechnology | Introduction to Biotechnology (138)  
Fermentation (139-140)  
Genetic Engineering (144-147) |
| 18    | Pharmacology | Medicinal Drugs (150-151)  
Antibiotics and Vaccines (155-156) |
BIOLOGY – SSC
List of Practical

1. Introduction to Biology
   1. Study of different types of bacteria with the help of prepared slides and of
      Amoeba, Paramecium, Volvox from prepared slides/ fresh culture/charts

4. Cells and Tissues
   3. Examination under the microscope an animal cell (e.g. from frog’s blood) and a
      plant cell (e.g. from onion epidermis), using an appropriate temporary staining
      technique, such as iodine or methylene blue

5. Cell Cycle
   7. Observation of various stages of mitosis and meiosis by slides, model and charts

7. Bioenergetics
   10. Demonstration of the process of photosynthesis using an aquatic plant, like Hydrilla

8. Nutrition
   15. Food tests: Benedict’s test for reducing sugar, iodine test for starch, spot test and
      emulsion test for fat, and Biuret test for protein in solution
   16. Microscopic examination of a transverse section of the small intestine to show the
      villi

9. Transport
   19. Investigation of the rate of water loss at the two surfaces of a leaf by a simple
      experiment using cobalt chloride paper
   20. Investigation of transpiration in potted plant under a bell jar
   22. Identification of red and white blood cells under the light microscope on prepared
      slides and in diagrams and photomicrographs
   23. Investigation of the effect of physical activity on pulse rate

10. Gaseous Exchange
    24. Activity to compare the breathing rate at rest and after exercise
    26. Demonstration of the presence of tar in cigarette smoke and also by charts
        showing pictures of lungs of smokers and nonsmokers

11. Homeostasis
    27. Examination of the structure of kidney (sheep kidney/model)

12. Coordination in Man
    28. Study of human eye, ear and brain

14. Reproduction
    30. Observation of binary fission of ameba using slides, photomicrographs or charts
    31. Observation of budding in yeast from prepared slides
    32. Examination of a bulb (onion), corn (Edocasia), rhizome (ginger) or stem tuber
        (potato) and its cultivation to get new plants
COMPUTER SCIENCE SSC-II

List of Topics for Theory
- Unit 01 Programming Techniques (complete chapter)
- Unit 02 Programming in C (complete chapter)
- Unit 03 Input and Output Handling (complete chapter)
- Unit 04 Conditional Control Structure (complete chapter)
- Unit 05 Loop Control Structure (complete chapter)
- Unit 06 Computer Logic and Gates (reduced chapter)
  6.1 Data representation in computer (included)
  6.2 Logic gates (included)
- Unit 07 Skipped whole chapter in theory

List of Practicals

PROGRAMMING LANGUAGE C
- Program to find the Addition, Subtraction, Multiplication and Division of two numbers by using of printf() and scanf() Functions
- C Program to Calculate Area and Circumference of Circle
- C Program to Calculate Area of Right angle Triangle
- C Program to Calculate Area of Rectangle
- C Program to calculate sum of 5 subjects and find percentage
- C Program to compare two integers and three integers
- Use of if()- else
- C Program to find whether the number is even or odd
- C Program to find if a given number is positive or negative
- C Program to Swap Two Numbers using temporary variable (temp)
- C Program to convert temperature from degree Centigrade to Fahrenheit
- C Program to print first 10 Natural numbers using for() loop
- C Program to print first 10 Natural numbers using while() loop
- C Program to print first 10 Natural numbers using do-while() loop
- C Program to check whether the number is Prime or not
- C Program to find table of a number
- C Program to find numbers in reverse order from 1 to 10
- C Program to print even and Odd numbers from 1 to 20
- C Program to find Roots of a Quadratic Equation
- C Program to find the Grade of a student on percentage marks
- C Program to find Grade of a student using switch statement
- C Program to find the Sum of odd series from 1 to 100
- C Program to print the following number pattern Nested loop
- C Program to create a simple calculator using Switch statement
- C Program to find Factorial of a number
- C Program to find GCD of two numbers

Note: In Chapter-2 should be complete included as without introduction cannot be understood without basic concept.
In chapter-6 (6.3 Simplification of Boolean function using Karnaugh Map) excluded being not relevant to other chapters.
Chapter 3  Bio Chemistry and Bio Technology
- Metabolism
- Digestion of food (Carbohydrates, Proteins and fats)
- Enzymes
- Human Blood
- Chromosomes, DNA and Genes
- Antibiotic and Genes

Chapter 4  Man and Health
- Major components of Food (vitamin)
- Balanced diet
- First Aid

Chapter 6  Environment and Natural Resources
- Atmosphere
- Different layers of atmosphere
- Ozone, Green House Effect, Human activity and disturbance of climate
- Pollution (Air, water and Land Pollution)
- Effect of rising population on environment

Chapter 8  Current Electricity
- Electric Current
- Voltage
- Resistance
- Ohm’s Law
- Electric circuit
- Direct current (DC) and Alternating current (AC)

Chapter 10  Science and Technology
- Science and technology in the past
- Advancement in science and technology
- LASER
- Satellites
- X-Ray, Ultrasound, Electro cardiography (ECG), Magnetic Resonance Imaging (MRI)

Chapter 11  Pakistan’s Space and Nuclear Program
- Space Exploration
- Satellites
- Space Shuttle
- Pakistan space program
- Pakistan Nuclear Program (Nuclear Technology, nuclear power Generation)

Justification: With the removal of Exercise Question Numbers the rest of the syllabus is OK. Any Question related to given topics can be included in exams.
1. INTRODUCTION TO RELIGIONS
   • The role of religion in resolving crisis
   • The concepts of sin and crime

2. WORLD RELIGIONS
   • Mahavira
     o His life
     o Basic teachings

3. ETHICS AND VALUES
   • Concepts of piety, mercy, compassion, clemency, honesty and righteousness in main religions of the world
   • Concept of accountability and its influence on human character

5. PERSONALITIES
   • Aristotle and his theory of ethics
   • Kant and his theory of ethics
   • Sri Arubindu
القرآن

بسم الله الرحمن الرحيم

(1) إن الله أرسلنا السموات فنزعت في طور... (النور: 25)
(2) إن السموات فنزعت في طور... (النور: 25)
(3) إن السموات فنزعت في طور... (النور: 25)
(4) إن السموات فنزعت في طور... (النور: 25)
(5) إن السموات فنزعت في طور... (النور: 25)
(6) إن السموات فنزعت في طور... (النور: 25)
(7) إن السموات فنزعت في طور... (النور: 25)
(8) إن السموات فنزعت في طور... (النور: 25)

القرآن

بسم الله الرحمن الرحيم

(1) إن الله أرسلنا السموات فنزعت في طور... (النور: 25)
(2) إن الله أرسلنا السموات فنزعت في طور... (النور: 25)
(3) إن الله أرسلنا السموات فنزعت في طور... (النور: 25)
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(8) إن الله أرسلنا السموات فنزعت في طور... (النور: 25)
1. **Role of the Umayyad in Islamic Civilization**
i. Amir Muawiya.
ii. Yazid (Karbala & Hazrat Imam Hussain)
iii. Abdullah Bin Zubair.
iv. Abdul Malik Bin Marwan.
v. Walid Bin Abdul Malik.
vi. Umar bin Abdul Aziz
vii. Causes of decline.

2. **Importance of the Umayyad Khulafa**
i. Expansion and propagation of Islam. (Contributions of Hujjaj bin Yusuf Muhammad IbniQasim, Qutaiba bin Muslim, Muslama, Musa ibniNusair, Tariq bin Ziyad)
ii. Administration.

3. **Role of Abbasid Khulafa in Islamic Civilization**
i. Alsaffah
ii. Al-Mansoor
iii. Harun-ur-Rashid
iv. Baramika
v. Mamun-ur-Rashid

4. **Importance of the Abbasid Khulafa**
i. Cultural scientific and literary achievements
ii. Causes of decline
1. **Economic Legacy of Pakistan**
   ii. Economic problems of Pakistan at the time of independence.
      – Agricultural backwardness.
      – Industrial backwardness.
      – Population Pressure.
      – Low per capita income and poverty.
      – Budget Deficit and Trade Deficit.

2. **Money**
   i. Barter system and its difficulties.
   ii. Money (definition and functions).
   iii. Kinds of Money-metallic, paper and credit (examples from Pakistan).

3. **Banks**
   i. Definition (Central Bank and Commercial Bank).

4. **Trade**
   i. Domestic and Foreign Trade (Definitions)
   ii. Distinction between domestic and Foreign trade
   iii. Advantages and disadvantages of foreign trade.
   iv. Major imports and exports of Pakistan.

5. **Public Finance**
   i. Public and private Finances (Definition and Difference)
   ii. Budget (definition)

7. **Islamic Economic System**
   Basic concepts of:
   i. Zakat
   ii. Usher
   iii. Economic Importance of Zakat and Ushr

**NOTE:** Syllabi is reduced by 30% to 40% keeping in view the instruction, given by the Government of Pakistan, as conveyed by FBISE, Islamabad. Lengthy, confusing and unnecessary topics are excluded to ease the students as well as teachers and to technically prepare the full-length paper as per pattern of FBISE.
VI. Education in Pakistan
1. Aims of Education in Pakistan.
2. Types of Education:
   - General Education
   - Professional Education
3. Stages of Education:
   - Elementary
   - Secondary
   - Tertiary

VII. Curriculum
1. Meaning and definition of Curriculum
2. Elements of Curriculum:
   - Content
   - Teaching Aids
   - Evaluation

VIII. Organization of School Activities
1. Importance of Co-Curricular activities in school
2. Role of Co-Curricular activities in the development of an individual

IX. Guidance and Counseling
1. Meaning and definition of guidance and counseling
2. Problems of students at School:
   - Educational problems
   - Economic problems
   - Personal problems
3. Role of guidance and counseling in school
سوکس برائے جماعت دم

1. نظریہ پاکستان و تحريك پاکستان (مکمل باب)
2. پاکستان میں انسانی ارتقاء (مکمل باب)
3. پاکستان اور اس کے بمسایہ معیاک (مکمل باب)
REDUCED SYLLABUS
CLOTHING AND TEXTILE
For Class X (marks 65)

1. Study of textile fibres and fabrics of common use e.g.
   i. Cotton     iii. Acetate
   iv. Nylon     vi. Orlon
   vii. Silk     viii. Wool

2. Method for care and storage of clothing:
   i. Principles of laundry, dry cleaning, stain removal
   iii. Methods of storage

3. Learning about drafting and measurements.

CLOTHING AND TEXTILE
List of Practical

Year Work:

For Class IX
1 Drafting and construction of ‘Shalwar’
2 Seam and seam finishes
   i. Plain seam   ii. Flat fell seam
   iii. Welt seam  iv. French seam

   Seam Finishes
   i. Over casting  ii. Pinking
   iii. Pinked and stitched edges iv. Turned and stitched edges

For Class X
3 Drafting individual bodice block, taking accurate measurements and using correct drafting procedure
4 Drafting and construction of ‘Qameez’
5 Laundry and stain removal
REDUCED SYLLABUS
HEALTH AND PHYSICAL EDUCATION-X

Theory
Marks: 65

1. Physical fitness
   Physical fitness and its importance
2. Qualities of sportsmen
6. Games
   Rules and Basic Techniques of Hockey Game, Table Tennis
7. Athletics
   Rules and basic techniques of the following Athletic events:
   i. 4 x 100 metres relay ii. Long jump and throwing the discus
8. Recreation
   i. Place of recreational activities in Physical Education
   ii. Camping, hiking, picnics and excursions
9. Community Health
   i. Sanitation of home, school and community
   ii. Prevention of communicable diseases
   iii. Air and ventilation
10. Nutrition
    i. Constituents of food ii. Balanced diet
    iii. Food contamination iv. Food adulteration
    v. Drinks:
        Tea, Coffee, Sharbat, Squash, Lassi, Juices, etc.
9. INTRODUCTION TO TEXTILES AND CLOTHING
   9.1 Definition and importance of Textiles and Clothing
   9.2 Fibres
   9.3 Classification and characteristics of textile fibres
   9.4 Study of fabrics available in the market - - - pure and blends

10. DRESS MAKING
    10.1 Equipment of tailoring
    10.2 Tailoring principles
    10.3 Guidelines for selection of materials and design

12. INTRODUCTION TO MANAGEMENT
    12.1 Concepts of management
    12.2 Values and goals
    12.3 Management of resources
       - Time
       - Energy
       - Money

13. ENVIRONMENT AND MANAGEMENT
    13.1 Healthy environment
    13.2 Sanitation and waste management
    13.3 Safety in the home

14. ART AND DESIGN
    14.1 Understanding design
    14.2 Understanding elements and principles of design
    14.3 Design and creativity
REduced Syllabus
Food and Nutrition
For Class X (marks 65)

2. Your food:
- Washing, cleaning and preparing of foods
- Basic principles of cooking food, minimizing nutrient losses

3. Food Hygienics and Sanitations:
- Sources of contamination of food
- Food borne diseases

Reduced List of Practicals
Food and Nutrition

ناشتم بنانا، روتوی پکاانا، سپیرون کی بهجی بنایا، انتھے بنانا، سلاد تیار کرنا، سادہ کباب بنانا،
گوشت بنانا، دایین پکانا، سادے چاول، سپیزال ایانا، پلاو بنانا، برائی پکانا، کچری پکانا، شامی
کباب بنانا، آم کی چنتی، ثمار کی چنتی، رائی۔
مینکی کھانے: پیرنی، کسترڈ، سوجی کا لوہ، انتھے کا لوہ، شیر خرما، زردہ، سویون
کا زردہ، کیک اور بسکٹ۔
Prescribed Books:

i. Poetry: More poems for young people (Part-II)
   (Poem No.10 and 12 are excluded)

ii. Prose: Power and Progress by G.G. Thornley
   (Essay No.III, IV, VI and VIII are excluded)

iii. Plays: Two one act plays edited by D.Y. Morgan (“Progress”)
   Question related to character of “PROFESSOR HENRY CORRIE, D.Sc.” shall be given and story (plot) of the play.
الدرس الحادي والعشرون: محادثة
1. عالمي الإسلام
2. السيرة النبوية
3. الغزوات النبوية
4. آسلافنا وقادتنا
5. على مُرتضى رضي الله عنه
6. آسلافنا وقادتنا

المصافح في بلادنا

الدرس السادس والعشرون: قبض من نور الله عزوجل
1. بناء الأسرة المسلمة
2. آسلافنا وقادتنا
3. محمد بن الناسيم المثقب عليه الرحمة
4. آسلافنا وقادتنا

المجلة
5. خطاب تجاري ورد عليه
6. آسلافنا وقادتنا
7. يغفر الله المختارة
8. آسلافنا وقادتنا
9. المجلة
10. آسلافنا وقادتنا

المجمع البنجابي

الدرس الثالث والعشرون: قبض من نور الله عزوجل
11. بناء الأمة الإسلامية
12. آسلافنا وقادتنا
13. محادثة
14. التسهيلات العلمية في باكستان
15. آسلافنا وقادتنا
16. محادثة
17. وسائل الأعلام المعاصرة
18. آسلافنا وقادتنا

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الدرس الثامن و التثنون: محادثة (4)
الطلاب يسألون والاستاذ يجيب

الدرس التاسع و الثلاثون: الشعر المختار (5)
غيون الشعر

الدرس الأربعون: ذنيانًا هذه
## REDUCED SYLLABUS

**Art and Model Drawing SSC-II**

Art History: 35 marks

<table>
<thead>
<tr>
<th>Chapters</th>
<th>Points to be discussed Generally</th>
<th>Contents to be focused on:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCULPTURE/ ARCHITECTUREAL RELIEF:</td>
<td>• Timeline and geographical situation of Indus Valley civilization and Gandhara • Difference in techniques of 3D art in different periods under discussion</td>
<td>• Indus seals • King Priest • Fasting Buddha from Gandhara • Chaukandi graves/ Makli hills • Master Sculptors of Pakistan: Shahid Sajjad and</td>
</tr>
<tr>
<td>POTTERY/ CERAMICS:</td>
<td>• Timeline and geographical situation of the areas under discussion. • Potter’s wheel and variety of clays types</td>
<td>• Examples from Mehrgarh, • Indus Valley • Glazed pottery of Hala and Multan • Master Ceramists of Pakistan: Mian Salahuddin</td>
</tr>
<tr>
<td>METAL CRAFT</td>
<td>• Metallurgy since Indus Valley civilization and its evolution in usage with special reference to design</td>
<td>• Indus Dancing girl</td>
</tr>
<tr>
<td>WOOD WORK</td>
<td>• Wood used as material since ancient times. • Types of woods according to use</td>
<td>• Functional: Furniture and architectural components • Decorative: Carving and inlay techniques and examples</td>
</tr>
</tbody>
</table>

### RT & MODEL DRAWING II

**STUDIO WORK:**
Details of Portfolio (End of Year’s work)  Max Marks: 50

#### 2D FINE ARTS

**Drawing/ Painting**
- Portrait 3
- Life drawing 4

The works should reflect the observational skills in drawing and painting. Students should be encouraged to have maximum practice in sketching and drawing and explore maximum options available in mediums.

**Medium:** lead and colour pencil, pen & ink, crayons, pastels, water colours, poster colours, and mixed media.

#### 2D APPLIED ARTS

- Poster 4
- Book illustration 3
• **COMPUTER ARTS**: At least one project (Optional wherever available) posters, illustration and other computer generated art forms) medium: Paint Brush/ Photo Shop/ Coral Draw

**Note:**
- It is desired that student selects the best work for the portfolio and exhibit in presentable manner.
- The works be duly signed, dated and stamped by the Art teacher.
- The works reflect the knowledge and understanding of elements of Visual Art and principles of design.
- **Plagiarism should be vigilantly checked by the Art teacher.** For practice purposes copied work is allowed, yet no copied work shall be accepted as part of Portfolio.

**RATIONALE FOR THE REDUCTION OF SYLLABUS**
**PART-II**
- One sculptor and ceramist in reduction from sculpture and pottery Ceramics section. The remaining artists will given a summary of contemporary sculpture and ceramics practice in Pakistan.
- Metal craft got a bigger slash, as the remaining example will still give an clear introduction to the metal craft.
- In practicals only sculpture and ceramics practicals are reduced as they require practicals are reduced as they require teachers supervision throughout the process.
- Nothing else is reduced for the portfolio
1. **Introduction to Human Geography**
   i. Nature
   ii. Scope

2. **Population**
   i. Introduction
   ii. Population Growth
   iii. Population Distribution and density

3. **Settlement**
   i. Rural Settlement
   ii. Urban Settlement
   iii. Social problems relating to rural and urban settlements

4. **The Environment**
   i. Introduction
   ii. Environmental Problems, Natural and Man related

5. **Study of Maps**
   i. Definition
   ii. Direction & Scale
   iii. Conventional signs/symbols
   iv. Type of maps
REDUCED SYLLABUS
GEOGRAPHY OF PAKISTAN – II
(In lieu of Urdu Compulsory Paper – II)

1. Resource: Natural and Human
   Definition and importance, Water, Minerals, Energy, Forests etc. level of education, skilled, semi-skilled and unskilled labour force, conservation or resources

2. Agriculture, Irrigation and related problems
   Importance of Irrigation, Modes of irrigation canals

3. Agriculture Crops and Livestock
   Methods of cultivation, traditional recent changing trends. Agricultural land use. Wheat, Rice, Sugarcane and Cotton

4. Industry
   Factors for location of industries factory industries, iron and steel, ship building, cotton textile

5. Means of Transport
   Transport importance, Railways, Roads

6. Trade
   Importance, internal and external trade
1. Commercial Resources of Pakistan (Industry)
i. Industrial products
ii. Types of industries
   – Cottage  – Small scale  – Large scale
iii. Major industries
iv. Major problems of industrial development

2. Means of Transportation and Communication
ii. Means of transportation
iii. Means of communication

3. Major Commercial Activities
i. National and International financial Institutions;
   – National:  - Banks  - Insurance- Government Agencies - IDBP,
     PIDC
   – IMF
ii. Imports Exports (be discussed briefly)
iii. Balance of payments and trade (be discussed briefly)
iv. Foreign Exchange (significance)

4. Important Commercial Cities and Ports
i. Major commercial cities and ports of Pakistan
ii. Four big cities of the World and their main commercial activities: London, New York, Tokyo, Cairo

5. Commercial Geography and National Integration
i. Meaning of national integration
ii. Commercial activity as a mean to integration