



## Pakistan School , Kingdom of Bahrain

### Portion for Send Up Examination December 2020

#### GRADE 9

<b>English</b>	<b>Unit 1: The Saviour of Mankind , Unit 2 : Patriotism , Unit 3: Media &amp; Its Impact Unit 4: Hazrat Asma (RA) , Unit 5: Daffodils , Unit 6: Quaid's Vision &amp; Pakistan , Unit 7 : Sultan Ahmed Mosque , Unit 8: Stopping by Woods on a Snowy Evening Unit 10: Drug Addiction</b> <b>Grammar: Active Voice &amp; Passive Voice , Tenses, Informal Letters(a,b)</b> <b>Paragraph Writing (a,b), Dialogue Writing , Translation</b> <b>All unit related exercises according to the reduced syllabus.</b>
<b>GOP</b>	<b>Chap 1 : The Creation of Pakistan</b> <b>Chap 2: Landforms</b> <b>Chap 4: Natural Vegetation</b> <b>Chap 7: Population</b> <b>All topics according to the reduced syllabus.</b>
<b>Pakistan Studies</b>	<b>Chap 1: Ideological Basis of Pakistan</b> <b>Chap 2: Making of Pakistan</b> <b>Chap 3: Land and Environment</b> <b>All topics according to the reduced syllabus.</b>
<b>Islamiat Compulsory</b>	<b>Unit A: Surah Al Anfaal ( Verse 1 to 37 (Translation+ Words meaning+ Q/A)</b> <b>Unit B: Ahadith: 1 to 5 ( Translation + Explanation + Impact on Practical life.)</b> <b>Unit C: Lesson:1 The Holy Quran Lesson:2 Love for Allah and His Prophet (PBUH) (Long + Short Q/A)</b>
<b>Economics</b>	<b>Chap 3: Subject Matter of Economics</b> <b>Chap 4: Basic Concept of Economics</b> <b>Chap 5: Demand</b> <b>Chap 6: Supply</b> <b>Chap 7: Price Determination</b> <b>All topics according to the reduced syllabus.</b>

<b>Computer Science</b>	<b>Ch 1 Fundamentals of computer</b> <b>Ch 2 fundamentals of operating systems</b> <b>Ch 4 Data Communication</b> <b>Ch 5 Computer Network</b> <b>Ch 6 Computer security and Ethics</b>
<b>G-Science</b>	<b>Chapter # 5. Microorganisms and Diseases.</b> <b>Chapter #7. Energy</b> <b>Chapter #9. Basic Electronics.</b> <b>Reduced Syllabus from Fbise and Exercises.</b> <b>Portion for the Sendup Exam SSC 1.Session 2020-2021</b>
<b>Biology</b>	<b>Ch. 1----- Introduction to Biology ( Divisions and branches of Biology pg. 2,3 )</b> <b>Ch. 2----- Solving a Biological Problem( 2.1.1 Biological problem , pg. 21,22,23)</b> <b>Ch. 3 ----- Biodiversity</b> <b>Ch. 4 ----- Cells and Tissues</b> <b>Ch. 5 ----- Cell cycle</b> <b>Ch. 6 ----- Enzymes</b> <b>Ch. 7 ----- Bioenergetics</b> <b>All topics, MCQs and exercise questions of the given chapters according to REDUCED SYLLABUS are included.</b>
<b>Chemistry</b>	<b>Ch. 2 ----- Structure of Atoms</b> <b>Ch. 3 ----- Periodic table and periodicity of properties</b> <b>Ch. 4 ----- Structure of molecules</b> <b>Ch. 5 ----- Physical states of Matter</b> <b>Ch. 6 ----- Solutions</b> <b>Ch. 7 ----- Electrochemistry</b> <b>Note: Topics according to REDUCED SYLLABUS, related self-assessment, review Exercise and Think tank Questions are included.</b>
<b>Mathematics 9th (Arts group)</b>	<b>Chapter1 to Chapter 7</b> <b>NOTE : Whole portion is according to the revised reduced syllabus as per instruction from FBISE</b>

<b>Mathematics 9th (Science group)</b>	<b>Chapters 1,2,3,4,5,10,11 NOTE : Whole portion is according to the revised reduced syllabus as per instruction from FBISE</b>
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## Physics

<b>Unit No.</b>	<b>Description</b>	<b>Topic to be Covered</b>
<b>1.</b>	<b>Physical quantities and measurement</b>	<b>1.2 Physical quantities 1.3 International system of units 1.4 Prefixes 1.5 Scientific notation 1.6 Measuring instrument vernier callipers screw guage stop watch only (Table 1.2, 1.3, 1.4 included)</b>
<b>2.</b>	<b>Kinematics</b>	
<b>3.</b>	<b>Dynamics</b>	<b>3.1 Force, Inertia and momentum 3.2 Newton's law 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 Centri fugal force only</b>
<b>4.</b>	<b>Turning effect of forces</b>	<b>4.1 Like and unlike parallel forces 4.2 Addition of forces 4.3 Resolution of forces 4.4 Torque 4.5 Principle of Moments 4.6 Centre of mass + Centre of gravity</b>

		<b>4.7 Couple</b> <b>4.8 Equilibrium</b>
<b>5.</b>	<b>Gravitation</b>	<b>5.1 the force of gravitation</b> <b>5.2 Mass of Earth</b> <b>5.3 Variation of g with altitude</b>
<b>6.</b>	<b>Work and energy</b>	<b>6.1 Work</b> <b>6.2 Energy</b> <b>6.3 Kinetic Energy</b> <b>6.4 Potential Energy</b> <b>6.8 Efficiency</b> <b>6.9 Power</b>

**Note:**

**Note: All mini exercise, quick quiz , and side information are excluded.**

**Only topic based related MCQs, short and Long Questions, and Numerical are included.**