

Punjab Education, Curriculum, Training & Assessment Authority

Smart Syllabus / Accelerated Learning Program (ALP) for Computer Science & Entrepreneurship-9

For the convenience of Grade-9 students, the following content from the Computer Science & Entrepreneurship textbook has been removed to reduce and streamline the syllabus. It is mandatory for BISE Paper Setters not to include any questions, whether objective, subjective, or other types, from the excluded content when preparing examination papers.

The detail is as under:

Unit #	Unit Name	Deleted Content and Questions
1	Introduction To Systems 	Types of System Objectives (Pg. No. 3-4), Static vs Dynamic Systems (Pg. No. 5), Activity (Pg. No. 6), Types of Systems (Pg. No. 7-10), Design Science of Computer Science (Pg. No. 12), Computer as System (Pg. No. 13-15), Computing Systems (Pg. No. 18-20) Exercise: MCQs (Q. 4, 6, 7, 10) (Pg. 22-23), Short Questions (Q. 3, 4, 10) (Pg. 23), Long Questions (Q. 2-5, 8) (Pg. 23)
2	Number System	Binary Encoding of Integers(Z) and Real Numbers(R), Whole Numbers (W) and Integers (Z) (Page No. 31), Understanding Floating Point Representation (Page No. 33-36), Storing Images audio and video in computers (Page No. 43-44). Exercise: MCQs (Q. 7-10) (Page 47), Short Question (Q. 8-10) (Page No. 47)
3	Digital Systems and Logic Design	Application of Digital Logic (Page No. 62-66), Class Activity (Page No. 66) Exercise: MCQs (Q. 4), Short Question (Q. 5), Long Question (Q. 3-6, 8, 9)
4	System Troubleshooting	Trouble shooting strategies (Page No. 74), Addressing Security Threats (Page No. 79), Using Resources for Troubleshooting (Page No. 81-82). Exercise: MCQs (Q. 6, 9, 10), Long Questions (Q. 5, 6, 8, 9).
5	Software System	Introduction to system software and application software. (Page No. 89-96). Exercise: MCQs (Q. 1, 3, 5-7, 9, 10), Short Question (Q. 2-4, 6-8), Long Questions (Q. 2-6).
6	Introduction to Computer Networks	Key concepts in Network Security (Page No. 114-116) Exercise: MCQs (Q. 6), Short Questions (Q. 4, 6, 8-10), Long Questions (Q. 3, 5, 8)

7	Computational Thinking	Class Activity Algorithm Challenge Page 128, Did You Know? (Page No. 141)
8	Web Development with HTML, CSS and JavaScript	History of HTML (Page No. 155), Styling Background (Page No. 163-164), Positioning (Page No. 165-166), Adding animations and transitions to CSS (Page No. 167-168), Data Types (Page No. 170), Handling Events and User Input (Page No. 172-175), Debugging Techniques (Page No. 175-176) Exercise: Long Question No. 7, 8
9	Data Science and Data Gathering 	Examples of Data (Page No. 180), Types of Qualitative data (Page No. 181-182), Types of Quantitative data (Page No. 182-184), Class Activity (Page No. 185), Gathering data from Online Sources (Page No. 188-189), Data Storage Techniques (Page No. 190-191), Importance and Benefits of Data Visualization (only Paragraph) (Page No. 192), Visualizing Different Data Types (Page No. 192), Statistical Analysis (Page No. 195-196), Methods for Analyzing Qualitative Data (Page No. 196), Class Activity (Page No. 197), Collaborative Authoring (Page No. 198-199), Data Science Work Flow (Page No. 200), Class Activity (Page No. 201), Big Data and its Application (Page No. 201-206) Exercise: MCQs (Q. 3-5, 7, 12-14), Short Questions (Q. 2, 3, 6-8, 11), Long Questions (Q. 3, 5, 7, 8, 10)
10	Emerging Technologies	Historical Context of Artificial Intelligence (Page No. 212-213), Explainable Whitebox Algorithm (Page No. 216), Implications and Future of Emerging Technologies (Page No. 220-221). Exercise: MCQs (Q. 8-10), Short Questions (Q. 2, 7-10), Long Questions (Q. 2, 5-9)
11	Ethical, Social, and Legal Concerns in Computer Usage	Class Activity (Page No. 227), Safe and Secure Operations of Digital Platforms (Page No. 228), Importance of Privacy Settings and Data Security Measures (Page No. 230), Legal Ethical Framework (Page No. 230-232), Ethical and Legal Responsibilities Regarding Intellectual Property (Page No. 233), Responsible Internet Use (Page No. 233-235), Class Activity Page No. 236, Impact of Computing on Society (Page No. 236-238). Exercise: MCQs (Q. 10, 11, 13-15), Short Questions (Q. 2-5, 14, 15, 18-21), Long Questions (Q. 3, 4, 6, 8)
12	Entrepreneurship in Digital Age	E-Commerce Platform (Page No. 249-252), Ideation and Problem Solving (Page No. 253), Class Activity and Did You know? (Page No. 257), Class Activity and Did You Know? (Page No. 258). Exercise: MCQs (Q. 4, 5), Short Question (Q. 5), Long Questions (Q. 3, 5)