

<b>CLASS:</b>	<b>VIII</b>	<b>SUBJECT:</b>	<b>COMPUTER SCIENCE</b>
<b>BOOK:</b>	<b>ENRICH YOUR COMPUTER STUDIES FOR CLASS 8</b> <b>By V. K. Pandey and D. K. Dey</b> <b>AVICHAL PUBLISHING COMPANY</b>		

<b>FIRST TERM</b>			
<b>Month</b>	<b>T o p i c</b>	<b>Chapters</b>	<b>Periods</b>
APRIL (15)	Operating System (OS) and Graphical User Interface (GUI) – Role and Functions	1	6 (Th-3, Pr-3)
MAY (10)	Operating Systems(contd.) Spreadsheets – Functions and Charts	1 2	4 (Th-2, Pr-2)
JUNE (10)	Spreadsheet – Functions and Charts(contd.)	2	4 (Th-2, Pr-2)
JULY (24)	Algorithms and Flowcharts Program Coding – Part I and II only	3 4	10 (Th-5, Pr-5)
AUGUST (22)	Program Coding – Part I and II only Revision of First Term Chapters	4	10 (Th-5, Pr-5)
SEPTEMBER (21)	Revision of First Term Chapters		2 (Th-1, Pr-1)
Project (June 2026)	<p>Operating Systems and Spreadsheets Write down the various features of any 5 different Operating Systems launched from the year 2010(keep on adding if any updates are seen in the version)</p> <p>“COVID did not change children permanently—it paused their development. “This disorder is misinterpreted as Autism in our present society at times. With the help of a table highlight the difference between both. Pick any 4 people around you with a similar symptom,record their behaviour and with the help of a flowchart draw a conclusion whether it is a developmental pause or Autism. Attach the digital copy of the record along with the personal details of the Candidate. A sample record is attached: Case 1: A 6-year-old child stopped speaking after lockdown, used mobile 6 hrs/day. After 3 months of school + play → speech improved. Conclusion: Not autism, but post-COVID delay [details and records should <i>not</i> be imaginary]</p>		
Revision Days			4
No. of classes			34

UNIT TEST - 1 <sup>st</sup> Term		
Month	Topic	Chapters
(June) 15.05.2026	Operating System (OS) and Graphical User Interface (GUI)	1

EXAMINATION - 1 <sup>st</sup> Term		
Month	Topic	Chapters
(Sept)	Entire First Term Syllabus The Question Paper will consist of two Sections. Sec-A will comprise of questions of type True/False, Fill in the blanks, Match the following, Give one word answers, and Section – B will consists of Subjective type questions, Drawing of flowcharts, writing of algorithms & Coding.	1,2,3,4,5

ACTIVITIES		
Design an algorithm and draw a flowchart to display the list of 4 digit palindromic numbers between a range(x & y, both inclusive)	Collect the data any 10 cricket players( 5 Batsman and 5- Bowlers) from Internet and using the concepts of Functions in MSExcel compute the Average Runs Scored, Highest Individual Score, etc. Also construct a suitable chart depicting the players performance( individual and together)	Collect the price of petrol, diesel, kerosene, pam oil from the year 2015 – 2021 and construct the graph showing the trend in the price of the oil.

SECOND TERM			
Month	Topic	Chapters	Periods
OCTOBER (16)	Program Coding – Part III Networks	4 6	6 (Th-3, Pr-3)
NOVEMBER (19)	Information Security in Era of AI	7	8 (Th-4, Pr-4)
DECEMBER (15)	Program Coding (Revision of Part I, II and III)	4	6 (Th-3, Pr-3)
JANUARY (20)	App Development [ Revision of the following chapters from 1 <sup>st</sup> Term: Operating Systems, Algorithms and Flowcharts]	5 1 3	8 (Th-4, Pr-4)
FEBRUARY (20)	Revision of 2 <sup>nd</sup> Term Syllabus		8 (Th-4, Pr-4)
Project (Jan 2027)	Prepare a complete profile file: Note:All projects must include a Contents page, Mentioned topics, Bibliography and Acknowledgement Write a simple program in Java A. To display a menu of shapes (1. Cuboid 2. Sphere 3. Cylinder), input a choice and display their volume. B. To input the distance travelled by you in		

	<p>“Tamarind Taxi” and calculate the fare [Rs. 100 for first 3 km and Rs. 13 extra per km beyond 3 km.]</p> <p>C. To input the shopping amount and display the cashback received. [ A cashback of 50% of shopping amount is given if you shop beyond Rs. 1947]</p> <p>Case study on the topic how and from where your Data is stolen. Include points highlighting where is it traded. Mention any 4 such exact sources (as per your research) which steals data.</p>		
Revision Days			4
No. of classes			31

**UNIT TEST – 2<sup>nd</sup> Term**

Month	T o p i c	Chapters
(Dec)	Program Coding – Part I, II, III	4
(12.11.2026)	Networks	6
		7

**EXAMINATION – 2<sup>nd</sup> Term**

Month	T o p i c	Chapters
Feb-Mar	<p>Entire First and Second Term Syllabus</p> <p>The Question Paper will consist of two Sections. Sec-A will comprise of questions of type True/False, Fill in the blanks, Match the following, Give one word answers, and Section – B will consists of Subjective type questions, Drawing of flowcharts, writing of algorithms, writing simple programs in Java.</p>	1,2, 3,4,5,6,7

**ACTIVITIES**

Simple Java Program	Designing a computer network setup based on a Case Study ( Real Life) To decide the kind of topology to be followed, placement of the server, draw the network given in the case study.
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