

**THE WISDOM GLOBAL SCHOOL****SYLLABUS BIFURCATION****GRADE 11****SUBJECT:- INFORMATICS PRACTICES XI****NAME OF BOOKS: INFORMATICS PRACTICES XI****YEAR 2022-23****NAME OF THE TEACHER:- GOPAL KRISHNA**

| S.NO | BOOK NAME                | MONTH  | CHAPTER NUMBER              | CHAPTER NAME                    | SUB-TOPICS               | NO. OF DAYS REQUIRED | ACTIVITY /PROPS | SMART BOARD(PPT/VIDEO) | CHARTS |
|------|--------------------------|--------|-----------------------------|---------------------------------|--------------------------|----------------------|-----------------|------------------------|--------|
| 1    | INFORMATICS PRACTICES XI | JULY   | 1                           | INTRODUCTION TO COMPUTER SYSTEM | INTRODUCTION             | 2                    | NO              | NO                     | NO     |
|      |                          |        |                             |                                 | COMPUTER SYSTEM          | 4                    | NO              | NO                     | NO     |
|      |                          |        |                             |                                 | COMPUTER SYSTEM AND DATA | 4                    | NO              | NO                     | NO     |
|      |                          |        |                             |                                 | SOFTWARE                 | 1                    | NO              | NO                     | NO     |
| 2    |                          | 2      | GETTING STARTED WITH PYTHON |                                 |                          | 2                    | NO              | NO                     | NO     |
|      |                          |        |                             | WORKING IN PYTHON               | 2                        | NO                   | NO              | NO                     |        |
|      |                          |        |                             | UNDERSTANDING FIRST PROGRAM     | 2                        | NO                   | NO              | NO                     |        |
| 3    |                          | AUGUST | 3                           | PYTHON FUNDAMENTALS             | PYTHON CHARACTER SET     | 3                    | NO              | NO                     | NO     |
|      |                          |        |                             |                                 | TOKENS                   | 5                    | NO              | NO                     | NO     |
|      |                          |        |                             |                                 | VARIABLES AND ASSIGNMENT | 2                    | NO              | NO                     | NO     |
|      | SIMPLE INPUT AND OUTPUT  |        |                             |                                 | 3                        | NO                   | NO              | NO                     |        |

|   |                          |                            |                   |                             |                             |           |     |    |    |
|---|--------------------------|----------------------------|-------------------|-----------------------------|-----------------------------|-----------|-----|----|----|
| 4 |                          |                            | 4                 | DATA HANDLING               | DATA TYPES                  | 5         | NO  | NO | NO |
|   |                          |                            |                   |                             | MUTABLE AND IMMUTABLE TYPES |           | 3   | NO | NO |
|   |                          |                            | SEPTEMBER         | 4                           | DATA HANDLING               | OPERATORS | 5   | NO | NO |
|   |                          | MATHS MODULE               |                   |                             |                             | 3         | NO  | NO | NO |
|   |                          | EXPRESSIONS, DEBUGGING     |                   |                             |                             | 2         | NO  | NO | NO |
|   |                          |                            |                   |                             |                             |           | NO  | NO | NO |
|   |                          | <b>MID TERM ASSESSMENT</b> |                   |                             |                             |           |     |    |    |
| 5 | INFORMATICS PRACTICES XI | OCTOBER                    | 5                 | FLOW OF CONTROL             | INTRODUCTION                | 2         | YES | NO | NO |
|   |                          |                            |                   |                             | STATEMENTS FLOW CONTROL     | 2         | YES | NO | NO |
|   |                          |                            |                   |                             | CONDITIONAL STATEMENTS      | 3         | YES | NO | NO |
|   |                          |                            |                   |                             | THE RANGE()                 | 1         | YES | NO | NO |
|   |                          |                            |                   |                             | LOOPING CONTROL STATEMENTS  | 3         | YES | NO | NO |
|   |                          | 6                          | LIST MANIPULATION | INTRODUCTION                | 1                           | YES       | NO  | NO |    |
|   |                          |                            |                   | CREATING AND ACCESSING LIST | 1                           | YES       | NO  | NO |    |
|   |                          |                            |                   | LIST OPERATIONS             | 2                           | YES       | NO  | NO |    |
|   |                          |                            |                   | LIST FUNCTIONS AND METHODS  | 2                           | YES       | NO  | NO |    |
|   |                          |                            |                   | LIST MANIPULATIONS          | 2                           | YES       | NO  | NO |    |
|   |                          | NOVEMBER                   | 7                 | DICTIONARIES                | INTRODUCTION                | 1         | YES | NO | NO |
|   |                          |                            |                   |                             | WORKING WITH DICTIONARIES   | 5         | YES | NO | NO |

|   |                          |                                  |    |                    |   |    |     |    |    |
|---|--------------------------|----------------------------------|----|--------------------|---|----|-----|----|----|
|   |                          |                                  |    |                    | FUNCTION AND METHODS                          | 5  | YES | NO | NO |
|   |                          |                                  |    |                    |   |    |     | NO | NO |
| 6 | INFORMATICS PRACTICES XI | DECEMBER                         | 8  | UNDERSTANDING DATA | DATA AND ITS PURPOSE                          | 1  | YES | NO | NO |
|   |                          |                                  |    |                    | DATA PROCESSING CYCLE                         | 1  | YES | NO | NO |
|   |                          |                                  |    |                    | BASIC STATISTICAL TECHNIQ FOR DATA PROCESSING | 1  | NO  | NO | NO |
|   |                          |                                  | 10 | DATABASE CONCEPTS  | INTRODUCTION                                  | 1  | NO  | NO | NO |
|   |                          |                                  |    |                    | FILE BASED SYSTEM                             | 1  | NO  | NO | NO |
|   |                          | RDBMS                            |    |                    | 2   | NO | NO  | NO |    |
|   |                          | THE RELATIONAL MODEL TERMINOLOGY |    |                    | 2   | NO | NO  | NO |    |
|   |                          | MYSQL AND SQL                    | 2  | NO                 | NO  | NO |     |    |    |
|   |                          | <b>POST MID TERM ASSESSMENT</b>  |    |                    |   |    |     |    |    |
|   |                          |                                  | 9  | WORKING WITH NUMPY | INTRODUCTION                                  | 1  | NO  | NO | NO |
|   |                          |                                  |    |                    | NUMPY ARRAYS                                  | 2  | NO  | NO | NO |
|   |                          |                                  |    |                    | NUMPY DATA TYPES                              | 2  | YES | NO | NO |
|   |                          |                                  |    |                    | CREATING NUMPY ARRAY                          | 2  | YES | NO | NO |
|   |                          |                                  |    |                    | ARITHMETIC OPERATIONS ON NUMPY ARRAYS         | 2  | YES | NO | NO |

|                         |                          |          |     |                 |                                  |    |     |     |    |
|-------------------------|--------------------------|----------|-----|-----------------|----------------------------------|----|-----|-----|----|
| 7                       | INFORMATICS PRACTICES XI | JANUARY  |     |                 | USING FUNCTION WITH NUMPY ARRAYS | 2  | YES | NO  | NO |
|                         |                          |          | 11  | SQL             | SOME MYSQL SQL ELEMENTS          | 2  | YES | NO  | NO |
|                         |                          |          |     |                 | DATABASE IN MYSQL                | 2  | YES | NO  | NO |
|                         |                          |          |     |                 | CREATING TABLES                  | 2  | YES | NO  | NO |
|                         |                          |          |     |                 | INSERTING DATA IN TABLES         | 2  | YES | NO  | NO |
| 8                       |                          | FEBRUARY | 11  | SQL             | MAKING SIMPLE SELECT QUERIES     | 4  | YES | NO  | NO |
|                         |                          |          |     |                 | MORE DDL COMMANDS                | 3  | YES | NO  | NO |
|                         |                          |          |     |                 | MORE DML COMMANDS                | 3  | YES | NO  | NO |
|                         |                          |          | 12  | EMERGING TRENDS | INTRODUCTION                     | 1  | NO  | PPT | NO |
|                         |                          |          |     |                 | AI                               | 2  | NO  | PPT | NO |
|                         |                          |          |     |                 | ROBOTICS                         | 2  | NO  | PPT | NO |
|                         | IOT                      |          |     |                 | 2                                | NO | PPT | NO  |    |
|                         | BLOCKCHAIN TECHNOLOGY    |          |     |                 | 2                                | NO | PPT | NO  |    |
| GRID COMPUTING          | 1                        | NO       | PPT | NO              |                                  |    |     |     |    |
| CLOUD COMPUTING         | 1                        | NO       | PPT | NO              |                                  |    |     |     |    |
| BIG DATA                | 1                        | NO       | PPT | NO              |                                  |    |     |     |    |
| <b>FINAL ASSESSMENT</b> |                          |          |     |                 |                                  |    |     |     |    |