| S. D. VIDYA MANDIR, HUDA, PANIPAT HALF-YEARLY EXAMINATION (SYLLABUS AND PAPER-PATTERN) CLASS- 12 (SCIENCE) |  |  |
| :---: | :---: | :---: |
| ENGLISH (SYLLABUS) |  |  |
| Reading Section | Unseen Passages |  |
| Writing Section | Notice Writing Invitations and Replies Letter to Editor Article Writing Report Writing |  |
| Literature | Flamingo <br> Ch- 1 The Last Lesson <br> Ch- 2 Lost Spring <br> Ch- 3 Deep Water <br> Ch- 4 The Rattrap <br> P- 1 My Mother at Sixty-Six <br> P- 2 Keeping Quiet <br> P- 3 A Thing of Beauty <br> P- 4 A Roadside Stand |  |
| Vistas <br> Ch- 1 The Third Level <br> Ch- 2 The Tiger King <br> Ch- 3 Journey to the End of the World <br> Ch- 4 The Enemy |  |  |
|  | ENGLISH (PAPER-PATTERN) |  |
| I | Reading Section | 22 Marks |
| 1. | Unseen Comprehension Passage 3 short questions ( $2 \times 3=6$ ) <br> 4 MCQs ( $1 \times 4=4$ ) <br> 2 very short questions ( $1 \times 2=2$ ) | 12 |
| 2. | Unseen Comprehension Passage 2 short questions ( $2 \times 2=4$ ) <br> 3 MCQs ( $1 \times 3=3$ ) <br> 3 very short questions ( $1 \times 3=3$ ) | 10 |
| II | Writing Section | 18 Marks |
| $\begin{aligned} & 3 . \\ & 4 . \\ & 5 . \\ & 6 . \\ & \hline \end{aligned}$ | One out of the two Notices One out of the two Invitations and Replies One out of the two Letters One out of the two Article/Report | $\begin{array}{\|l\|} \hline 4 \\ 4 \\ 5 \\ 5 \\ \hline \end{array}$ |
| III | Literature | 40 Marks |
| 7. | One out of the two poetic extracts 4 short questions <br> 2 MCQs | 6 |
| 8. | One out of the two prose extracts from Vistas 3 short questions <br> 1 MCQ | 4 |
| 9. | One out of the two prose extracts from Flamingo 4 short questions 2 MCQ | 6 |



|  | BIOLOGY (SYLLABUS) |  |
| :---: | :---: | :---: |
| Chapter-2 | Reproduction in Flowering Plants | (10 Marks) |
| Chapter-3 | Human Reproduction | (12 Marks) |
| Chapter-4 | Reproductive Health | (10 Marks) |
| Chapter-5 | Principal of Inheritance and Variation | (13 Marks) |
| Chapter-6 | Molecular Basis of Inheritance | (15 Marks) |
| Chapter-7 | Evolution | (10 Marks) |
|  | BIOLOGY (PAPER-PATTERN) |  |
| Section A | MCQ and Assertion-Reason | $16 \times 1=16$ |
| Section B | Very Short Answer Question | $5 \times 2=10$ |
| Section C | Short Answer Questions | $7 \times 3=21$ |
| Section D | Case Based Questions | $2 \times 4=08$ |
| Section E | Long Answer Questions | $3 \times 5=15$ |
|  | Total | 70 |
|  | MATHEMATICS (SYLLABUS) |  |
| Ch 1 | Relations and Functions |  |
| Ch 2 | Inverse Trigonometric Functions |  |
| Ch 3 | Matrices |  |
| Ch 4 | Determinants |  |
| Ch 5 | Continuity and Differentiability |  |
| Ch 6 | Applications of Derivative |  |
| Ch 7 | Integration (Up to Ex- 7.7) |  |
| Ch 12 | Linear Programming |  |
|  | MATHEMATICS (PAPER-PATTERN) |  |
|  | 15 MCQS \& 1 Assertion Reasoning-Based Question | $16 \times 1=16$ |
|  | 2 Marks Questions 10 | $10 \times 2=20$ |
|  | 3 Marks Questions 07 | $07 \times 3=21$ |
|  | 4 Marks Questions - 02 (Case Studies) | $02 \times 4=08$ |
|  | 5 Marks Questions - 03 | $03 \times 5=15$ |
|  | APPLIED MATHEMATICS (SYLLABUS) |  |
| Ch 1 | Numbers, Quantification \& Numerical Applications |  |
| Ch 2 | Numerical Inequalities |  |
| Ch 3 | Matrices |  |
| Ch 4 | Determinants |  |
| Ch 5 | Differentiation |  |
| Ch 6 | Application of Derivatives |  |
| Ch 7 | Integration |  |
| Ch 8 | Differential Equations |  |
|  | APPLIED MATHEMATICS (PAPER-PATTERN) |  |
|  | 15 MCQS \& 1 Assertion Reasoning-Based Question | $16 \times 1=16$ |
|  | 2 Marks Questions 10 | $10 \times 2=20$ |
|  | 3 Marks Questions 07 | $07 \times 3=21$ |
|  | 4 Marks Questions - 02 (Case Studies) | $02 \times 4=08$ |
|  | 5 Marks Questions - 03 | $03 \times 5=15$ |
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|  | ECONOMICS (SYLLABUS) |  |
| :---: | :---: | :---: |
|  | Macro Economics |  |
| Ch 1 | Some Basic Concepts of Macro Economics |  |
| Ch 2 | National Income and Related Aggregates |  |
| Ch 3 | Methods Of Calculating National Income |  |
| Ch 4 | Money |  |
| Ch 5 | Banking |  |
| Ch 6 | Aggregate Demand, Aggregate Supply and Related Concepts |  |
| Ch 7 | Short Run Equilibrium Output |  |
| Ch 8 | Problem Of Deficient Demand and Excess Demand |  |
|  | Indian Economic Development |  |
| Ch 1 | Indian Economy on The Eve Of Independence |  |
| Ch 2 | Indian Economy (1950-90) |  |
| Ch 3 | Liberalisation, Privatisation and Globalisation |  |
| Ch 4 | Human Capital Formation |  |
|  | ECONOMICS (PAPER-PATTERN) |  |
|  | Multiple Choice Questions (MCQ) | $20 \times 1=20$ |
|  | Short Answer Questions | $04 \times 3=12$ |
|  | Short Answer Questions | $06 \times 4=24$ |
|  | Long Answer Questions | $04 \times 6=24$ |
|  | TOTAL | 80 |
|  | GEOGRAPHY (SYLLABUS) |  |
| Chapter 1 <br> Chapter 2 <br> Chapter 3 <br> Chapter 4 <br> Chapter 5 <br> Chapter 6 | Fundamentals of Human Geography <br> Human Geography <br> The World Population Density Distribution and Growth Human <br> Development <br> Primary Activities <br> Secondary Activities <br> Tertiary and Quaternary Activities + |  |
| Chapter 1 <br> Chapter 2 <br> Chapter 3 <br> Chapter 4 <br> Chapter 5 | India People and Economy <br> Population Distribution Density Growth and Composition Human Settlements <br> Land Resources and Agriculture <br> Water Resources <br> Mineral and Energy Resources |  |
|  | GEOGRAPHY (PAPER-PATTERN) |  |
| i. ii. | Question paper contains 30 questions. All questions are compulsory. <br> Question paper is divided into five sections. Sections- A, B, C, $D$ and $E$. |  |
| Section A | Question Number 1 To 17 (MCQ) | $17 \times 1=17$ |
| Section B | Question Number 18 And 19 (Source Based Questions) | $2 \times 3=6$ |
| Section C | Question Number 20 To 23 (Short Answer Type Questions) ( 80 To 100 Words) | $4 \times 3=12$ |
| Section D | Question Number 24 To 28 (Long Answer Type Questions) (120 To 150 Words) | $5 \times 5=25$ |
| Section E | Question Number 29 And 30 (Map Based Questions) | 10 |



|  | Biography <br> Ustad Faiyaz Khan <br> Time Theory of Ragas and Sangeet Parijat <br> Raga <br> Bhairav and Malkaunsh |  |
| :---: | :---: | :---: |
|  | MUSIC (PAPER PATTERN) |  |
|  | $\begin{aligned} & \hline \text { MCQ } 8 \times 1=8 \\ & 5 \text { Questions } \times 2 \text { Marks }=10 \\ & 2 \text { Questions } \times 6 \text { Marks }=12 \\ & \text { Total } \\ & \hline \end{aligned}$ | $\begin{array}{r} 8 \times 1=08 \\ 5 \times 2=10 \\ 2 \times 6=12 \\ 30 \\ \hline \end{array}$ |
|  | PHYSICAL EDUCATION (SYLLABUS) |  |
| Ch 1 | Management of Sporting Events | (12 Marks) |
| Ch 2 | Children and Women in Sports | (11 Marks) |
| Ch 3 | Yoga as Preventive Measure for lifestyle Disease | (12 Marks) |
| Ch 4 | Physical Education and Sports for CWSN | (12 Marks) |
| Ch 5 | Sports and Nutrition | (11 Marks) |
| Ch 6 | Test and Measurement in Sports | (12 Marks) |
|  | PHYSICAL EDUCATION (PAPER PATTERN) |  |
|  | ```1 Mark Questions 2 Mark Questions 3 Marks Questions 4 Marks Questions (Case Studies). 5 \text { Marks Questions} Total Marks``` | $\begin{array}{r} 1 \times 18=18 \\ 2 \times 5=10 \\ 3 \times 5=15 \\ 4 \times 3=12 \\ 5 \times 3=15 \\ 70 \\ \hline \end{array}$ |

