RAINBOW PUBLIC SCHOOL
Chira Chas , Bokaro
Portion for Half yearly Examination : 2024-25
Std. – XI (Science)

Subject : English

Hornbill – 1. We're not Afraid to Die (We all can be together).
        2. Discovering Tut

Hornbill – 1. The Portrait of a Lady;
        2. A Photograph (Poem).
        3. The Laburnum Top
Snapshot– 1. The Summer of the Beautiful WhiteHorse;
Grammar – Tenses (Usage/Gap filling exercise), Connectives.
Reading – Factual Passages.
Writing – Letter writing / Article writting.

Hornbill – 3. The Laburnum (Poem).
Grammar – Transformation of sentences, Reordering of sentences.
Reading – Discursive passages.
Writing – 1. Speech/Debate
        2. Classified Advertisement.

Hornbill – 1. The Adventure
        2. The Voice of the Rain (poem).
Snapshot – 1. The Address.
        2. Mother's Day
Grammar – 1. Error correction, 2. Phrases.
Reading – Summarizing
Writing – Formal letter (Official/Business letters, Letter to Principal/ Editor

Subject : Maths

1. Set – relation & Function
2. Trigonometry
3. Sequence and Series]
4. Complex number & Quadratic equation

Subject : Physics

1. Units and Measurement
2. Motion in a straight line
3. Motion in a plane
4. Laws of Motion
5. Work, Energy and Power

Subject : Biology

1. The living world.
2. Biological clarification.
3. The plant kingdom.
4. The animal kingdom.
5. Morphology of flowering plant.
6. Anatomy of flowering plant.
7. Structural organization in animals.
8. Cell the unit of life.
9. Biomolecules.
10. Cell cycle and cell division.

Subject : Chemistry

1. Mole concept
2. Atomic structure
3. Chemical bonding
4. Redox
5. Periodic table
6. General organic chemistry

Subject : P.E

Chap 1: Changing trend and carrier in Physical education
Chap 2 : Olympic value Education
Chap 3: Yoga
Chap 4: Physical Education & Sorts for children with special needs.

Subject : Computer Science

1. Computer Systems and Organisation.
2. Computational Thinking and Programming – 1
   (a) Introduction to Problem-solving:
   (b) Operators: arithmetic operators, relational operators, logical operators, assignment operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in).
   (c) Conditional statements: I, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, Sort 3 numbers and divisibility of a number.
   (d) Iterative statement : for loop; range((), While loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number, etc.
   (e) Strings: introduction, string operations (concatenation, repetition, membership and slicing) traversing a string using loops, built-in functions/methods-len(), capitalized(), tittle (), lower(), upper(), count(), find(), index(), endswith(), isalnum() isalpha(), isdigit(), islower(), isupper(), isspace(), Istrip(), rstrip(), replace(), join(), partition (), split ().

Subject : Music

1. परिभाषा – नाद, श्रुति, स्वर, सप्तक, थाट जाति, लय, ताल, मार्गी देसी।
2. मियाँ तानसेन।
3. पं० विष्णु नारायण भातखण्डे।
4. ताल– तीन ताल, चौताल।
5. तानपूरा