

Dr. Virendra Swarup Education Centre, Panki, Kanpur
Syllabus of Final Examination (2023-24)
Class IX

1. English:

Reading-Comprehension

Grammar-Tenses, Modals, Narration, Determiners, Prepositions, Passage Editing, Gap Filling

Writing-Descriptive Paragraph, Story Writing, Diary Entry.

Literature- Beehive- The Fun They Had, The Sound of Music, The Little Girl, A Truly Beautiful Mind, The Snake and the Mirror, My Childhood, Reach For The Top, Kathmandu, If I were You.

Moments- The Lost Child, The Adventures of Toto, Iswaran the Storyteller, In the kingdom of fools, The Happy Prince, The Last Leaf, A House is not a Home, The Beggar.

Poems- The Road Not taken, Wind, Rain on The Roof, The Lake Isle of Innisfree, A Legend of The Northland, No Men Are Foreign, On killing a tree, A Slumber Did My Spirit Seal.

2. हिंदी:

(व्याकरण): 1) अपठित गद्यांश एवं काव्यांश , 2) उपसर्ग, प्रत्यय एवं समास, 3) वाक्य के भेद(अर्थ के आधार पर) 4) अलंकार एवं उसके भेद, 5) अनुच्छेद लेखन , 6) पत्र लेखन(औपचारिक, अनौपचारिक), 7) संवाद लेखन, 8) लघु कथा लेखन. 9) ईमेल लेखन, 10) सूचना लेखन **॥ निबंध लेखन**

साहित्य (गद्य खंड): 1) दो बैलों की कथा, 2) ल्हासा की ओर, 3) उपभोक्तावाद की संस्कृति, 4) सौंवले सपनों की याद 5) प्रेमचंद के फटे जूते, 6) मेरे बचपन के दिन

साहित्य (काव्य खंड): 1) साखिर्यौ एवं सबद, 2) वाख, 3) सवैये, 4) कैदी और कोकिला, 5) ग्राम श्री, 6) मेघ आए 7) बच्चे काम पर जा रहे हैं

कृतिका (पूरक पुस्तिका): 1) इस जल प्रलय में, 2) मेरे संग की औरतें, 3) रीढ़ की हड्डी

3. Maths-1.Number System, 2.Polynomials, 3.Co-ordinate geometry, 4.Linear Equations in two variables, 5.Introduction to Euclid's geometry, 6.Lines and angles, 7.Triangles , 8.Quadrilaterals , 9.Circles, 10.Heron's Formula, 11.Surface, Areas and Volumes, 12.statistics

4. Science: Physics-Force and Laws of Motion, Gravitation, Work And Energy. **Chemistry-** 1.Structure of Atom, 2.Atom and Molecules, 3.Is matter Around us Pure **Biology-** Cell - The Unit of Life, Tissue, Improvement in Food Resources.

5. Social Science: History-1. The French Revolution, 2. Socialism in Europe and the Russian Revolution, 3. Nazism and the Rise of Hitler, 4. Forestry, Society and Colonialism, 5. Pastoralists in the Modern World. **Civics-** 1. What is Democracy ? Why Democracy?, 2. Constitutional Design, 3. Electoral Politics, 4. Working of Institutions, 5. Democratic Rights.

Geography- 1. India – Size and Location, 2. Physical Features of India, 3. Drainage, 4. Climate, 5. Natural Vegetation and Wildlife, 6.Population.

Economics-1. The Story of Village Palampur, 2. People as Resource, 3. Poverty as a Challenge, 4. Food Security in India

6. Artificial Intelligence:

Employability skills

*ICT Skills

*Entrepreneurial skills

*Green Skills

Subject Specific Skills

*Introduction to AI

*AI Project Cycle

*Neural Network

*Introduction to Python

7. Computer Applications:

Basics of Information Technology • Computer Systems: characteristics of a computer, components of a computer system – CPU, memory, storage devices and I/O devices • Memory: primary (RAM and ROM) and secondary memory • Storage devices: hard disk, CD ROM, DVD, pen/flash drive, memory stick • I/O devices: keyboard, mouse, monitor, printer, scanner, web camera • Types of software: system software (operating system, device drivers), application software including mobile applications

• **Computer networking:** Type of networks: PAN, LAN, MAN, WAN, wired/wireless communication, Wi-Fi, Bluetooth, cloud computers (Private/public) • Multimedia: images, audio, video, animation

Cyber-safety • Safely browsing the web and using social networks: identity protection, proper usage of passwords, privacy, confidentiality of information, cyber stalking, reporting cybercrimes • Malware: Viruses, adware

Introduction to a word processor: create and save a document. • Edit and format text: text style (B, I, U), font type, font size, text colour, alignment of text. Format paragraphs with line and/or paragraph spacing. Add headers and footers, numbering pages, grammar and spell check utilities, subscript and superscript, insert symbols, use print preview, and print a document. • Insert pictures, change the page setting, add bullets and numbering, borders and shading, and insert tables – insert/delete rows and columns, merge and split cells. • Use auto-format, track changes, review comments, use of drawing tools, shapes and mathematical symbols.

• **Presentation tool:** understand the concept of slide shows, basic elements of a slide, different types of slide layouts, create and save a presentation, and learn about the different views of a slide set – normal view, slide sorter view and handouts. • Edit and format a slide: add titles, subtitles, text, background, and watermark, headers and footers, and slide numbers. • Insert pictures from files, create animations, add sound effects, and rehearse timings.

• **Spreadsheets:** concept of a worksheet and a workbook, create and save a worksheet. • Working with a spreadsheet: enter numbers, text, date/time, series using auto fill; edit and format a worksheet including changing the colour, size, font, alignment of text; insert and delete cells, rows and columns. Enter a formula using the operators (+, -, *, /), refer to cells, and print a worksheet. • Use simple statistical functions: SUM (), AVERAGE (), MAX (), MIN (), IF () (without compound statements); embed charts of various types: line, pie, scatter, bar and area in a worksheet.

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