

MAHARAJA AGRASEN MODEL SCHOOL

SYLLABUS BREAK UP (2021-22) CLASS-VIII

ENGLISH

LEARNING OBJECTIVES

The general objectives at this stage are to enable the learners:

- to communicate effectively and appropriately in real life situations.**
- to use English effectively for study purposes across the curriculum.**
- to develop and integrate the use of four language skills i.e. - listening, speaking, reading and writing.**
- to develop interest in and appreciation of literature.**
- to revise and reinforce structures already learnt.**
- to express ideas in clear and grammatically correct English, using appropriate punctuation and cohesion devices.**
- to enable the students to understand, interpret , evaluate and respond to the following features in a literary text :**
 - Character as revealed through appearance, background, actions, expressions, etc.**
 - Plot/ story/ theme, emerging through main events.**
 - Setting, as seen through time and place.**
 - Form.**
 - To include a novel/ long reading text to encourage class room interaction, class discussion, etc.**

OBJECTIVES OF ASSESSMENT FOR LISTENING SKILL

To enable the learners

- to understand a range of genres and contexts of spoken English including academic, personal and social aspect.**
- to understand detailed information for a purpose.**
- to understand and interpret a range of features of the given context.**
- to understand the topic and the main points and distinguish the main points from the details.**

OBJECTIVES OF ASSESSMENT FOR SPEAKING SKILL.

To enable the learners

- to express and respond to personal feelings and opinions.**
- to present oral reports or summaries, narrate incidents or events.**
- to present, adopt different strategies to convey ideas according to purpose, topic and audience, and to frame questions so as to elicit desired response.**
- to take part in group discussions, summaries ideas, elicit views of others, express and argue a point of view clearly.**
- to participate in a spontaneous spoken course.**

TEXTBOOKS

- 1. Honeycomb (Textbook in English)**
- 2. An Alien Hand(Supplementary reader in English)**
- 3. Enjoying Grammar**

Author- Anju Sahgal Gupta and Vijaya Subramaniam

Publisher- Orient Black Swan

MONTHWISE SYLLABUS BREAKUP

MONTH TOPIC

APRIL

The Best Christmas Present in the World (Honeydew)

The Ant and the Cricket(Poem-Honeydew)

Informal Letter Writing (Writing skills)

JUNE

Finites and Non-Finites (Enjoying Grammar) (Unit-8)

Infinitives (Enjoying Grammar Unit-9)

Gerunds (Enjoying Grammar Unit-10)

Participles (Enjoying Grammar Unit-11)

Geography Lesson(Poem-Honeydew)

How the Camel got its hump (It so Happened)

Periodic Test-1

Comprehension

The Best Christmas Present in the World

(Honeydew)

The Ant and the Cricket(Poem-Honeydew)

Finites and Non-Finites (Enjoying Grammar)

Informal Letter Writing

JULY

The Tsunami(Honeydew)

Children at Work (It so happened)

The Selfish Giant (It so happened)

Glimpses of the Past (Honeydew)

Grammar- Tenses (Enjoying Grammar Unit 1,2,3,4,5)

Writing skills-Letter of Complaint

AUGUST

Macavity : The Mystery Cat(Poem-Honeydew)

Bepin Chaudhary's Lapse of Memory(Honeydew)

The Treasure Within(It so Happened)

Princess September (It so Happened)

Grammar-Modals (Enjoying Grammar Unit-6)

Writing skills-Article writing

MID TERM EXAM

LITERATURE

The Tsunami(Honeydew)

Children at work (It so happened)

The Selfish Giant (It so happened)

Glimpses of the Past (Honeydew)

Macavity : The Mystery Cat(Poem-Honeydew)

Bepin Chaudhary's Lapse of Memory(Honeydew)

The Treasure Within(It so Happened)

Princess September (It so Happened)

GRAMMAR

Tenses (Enjoying Grammar Unit 1,2,3,4,5)

Modals (Enjoying Grammar Unit-6)

WRITING SKILLS

Letter of Complaint

Article writing

SEPTEMBER

The Summit Within(Honeydew)

The Last Bargain (Poem -Honeydew)

The School Boy (Poem-Honeydew)

Grammar-Subject Verb Agreement(Enjoying Grammar Unit-12)

Writing skills-Diary entry

PERIODIC TEST-2

The Summit Within(Honeydew)

The Last Bargain (Poem -Honeydew)

The School Boy (Poem-Honeydew)

Grammar-Subject Verb Agreement(Enjoying Grammar Unit-12)

Writing skills-Diary entry

OCTOBER

This is Jody's Farm(Honeydew)

The Fight(It so Happened)

The Open Window((It so Happened)

Positions of Adverbs(Enjoying Grammar Unit-7)

Writing Skills-Note Making and Summarising

NOVEMBER

A Visit to Cambridge(Honeydew)

When I set out for Lyonesse(Poem-Honeydew)

Ancient Education System of India(It so Happened)

Active and Passive Voice (Enjoying Grammar Unit-13)

Using Nouns and Prepositions (Enjoying Grammar Unit-14)

Using Adjectives and Prepositions (Enjoying Grammar Unit-15)

Prepositional Verbs and Phrasal Verbs (Enjoying Grammar Unit-16)

DECEMBER

Jalebi (It So Happened)

The Comet -1(It so Happened)

The Comet-2 (It so Happened)

Noun Clauses (Enjoying Grammar Unit-17)

Relative Clauses (Enjoying Grammar Unit-18)

Reduced Relative Clauses (Enjoying Grammar Unit-19)

Adverbial Clauses (Enjoying Grammar Unit-20)

JANUARY

A Short Monsoon Diary(Honeydew)

On the Grasshopper and Cricket(Poem-Honeydew)

Sentence Linkers (Enjoying Grammar Unit-23)

Conditionals (Enjoying Grammar Unit-21)

FEBRUARY

The Great Stone Face -1(Honeydew)

The Great Stone Face -2(Honeydew)

Punctuation (Enjoying Grammar Unit-24&25)

Direct and Indirect Speech(Enjoying Grammar Unit-22)

ANNUAL EXAMINATION-SYLLABUS

LITERATURE

This is Jody's Farm(Honeydew)

The Fight(It so Happened)

The Open Window((It so Happened)

A Visit to Cambridge(Honeydew)

When I set out for Lyonesse(Poem-Honeydew)

Ancient Education System of India(It so Happened)

Jalebi (It So Happened)

The Comet -1(It so Happened)

The Comet-2 (It so Happened)

A Short Monsoon Diary(Honeydew)

On the Grasshopper and Cricket(Poem-Honeydew)

The Great Stone Face -1(Honeydew)

The Great Stone Face -2(Honeydew)

GRAMMAR

Positions of Adverbs(Enjoying Grammar Unit-7)

Active and Passive Voice (Enjoying Grammar Unit-13)

Using Nouns and Prepositions (Enjoying Grammar Unit-14)

Using Adjectives and Prepositions (Enjoying Grammar Unit-15)

Prepositional Verbs and Phrasal Verbs (Enjoying Grammar Unit-16)

Noun Clauses (Enjoying Grammar Unit-17)

Relative Clauses (Enjoying Grammar Unit-18)

Reduced Relative Clauses (Enjoying Grammar Unit-19)

Adverbial Clauses (Enjoying Grammar Unit-20)

Sentence Linkers (Enjoying Grammar Unit-23)

Conditionals (Enjoying Grammar Unit-21)

Direct and Indirect Speech(Enjoying Grammar Unit-22)

WRITING SKILLS

Note Making

Letter Writing

Article writing

Diary Entry

विषय-हिन्दी

शिक्षण उद्देश्य-

- मातृभाषा के ज्ञान द्वारा छात्रों को स्वतंत्र और मौखिक रूप से अपने विचारों को अभिव्यक्त करने के योग्य बनाना,
- छात्रों के शब्द-कोष का विकास करना,
- विभिन्न विधाओं द्वारा कल्पनाशीलता, सृजनात्मक शक्ति का विकास करना,
- हिंदी के साहित्य, अखबार व पत्रिकाओं को पढ़कर समझ पाना और उसका आनंद उठाने के योग्य बनाना,
- शब्द-भंडार की वृद्धि से भाषा को सशक्त बनाना।

हिन्दी भाषा सीखने के प्रतिफल-

विद्यार्थी--

-विभिन्न विषयों पर आधारित विविध प्रकार की रचनाओं को पढ़कर चर्चा करते हैं, जैसे- पाठ्यपुस्तक में किसी पक्षी के बारे में उस पर चर्चा करते हैं।

-हिंदी भाषा में विभिन्न प्रकार की सामग्री (समाचार, पत्र-पत्रिका, कहानी, जानकारीपरक सामग्री, इंटरनेट ब्लॉग पर छपने वाली सामग्री आदि) को समझकर पढ़ते हैं और उसमें पसंद-नापसंद, टिप्पणी, राय, निष्कर्ष आदि को मौखिक सांकेतिक भाषा में अभिव्यक्त करते हैं।

-पढ़ी गई सामग्री पर चिंतन करते हुए समझ के लिए प्रश्न पूछते हैं।

-अपने परिवेश में मौजूद लोक कथाओं और लोकगीतों के बारे में बताते /सुनते हैं।

- पढ़कर अपरिचित परिस्थितियों और घटनाओं की कल्पना करते हैं और उन पर अपने मन में बनने वाली छवियों और विचारों के बारे में मौखिक भाषा में बताते हैं।

-विभिन्न संवेदनशील मुद्दों/विषयों जैसे जाति, धर्म, रंग, लिंग, रीति-रिवाजों के बारे में अपने मित्रों, अध्यापकों या परिवार से प्रश्न करते हैं, जैसे- अपने मोहल्ले के लोगों से त्योहार मनाने के तरीके पर बातचीत करना।

-किसी रचना को पढ़कर उसके सामाजिक मूल्यों पर चर्चा करते हैं। उसके कारण जानने की कोशिश करते हैं, जैसे- अपने आस-पास रहने वाले परिवारों और उनके रहन-सहन पर सोचते हुए प्रश्न करते हैं- रामू काका की बेटी स्कूल क्यों नहीं जाती?

-विभिन्न प्रकार की सामग्री, जैसे- कहानी, कविता, लेख, रिपोर्टाज, संस्मरण, निबंध को पढ़ते हुए अथवा पाठ्यपुस्तक की बारीकी से जाँच करते हुए उसका अनुमान लगाते हैं, विश्लेषण करते हैं, विशेष बिंदु की खोजते हैं।

-पढ़ी गई सामग्री पर चिंतन करते हुए बेहतर समझ के लिए प्रश्न पूछते हैं।

-विभिन्न पठन सामग्रियों में प्रयुक्त शब्दों, मुहावरों, लोकोक्तियों को समझते हुए उनकी सराहना करते हैं।

-कहानी, कविता को पढ़कर लेखन के विभिन्न तरीकों और शैलियों को पहचानते हैं, जैसे- वर्णनात्मक,

विवरणात्मक, भावात्मक, प्रकृति चित्रण आदि।

-विभिन्न सामग्रियों को पढ़ते हुए उनके शिल्प की सराहना करते हैं और अपने स्तरानुकूल मौखिक, लिखित रूप में उसके बारे में अपने विचार व्यक्त करते हैं।

-पाठ्य पुस्तक को पढ़ने के दौरान समझने के लिए जरूरत पड़ने पर अपने किसी सहपाठी या शिक्षक की मदद लेकर उपर्युक्त संदर्भ सामग्री, जैसे- शब्दकोश, मानचित्र, इंटरनेट या अन्य पुस्तकों की मदद लेते हैं।

-अपने पाठक और लिखने के उद्देश्य को ध्यान में रखते हुए अपनी बात को प्रभावी तरीके से लिखते हैं।

-पढ़कर अपरिचित परिस्थितियों और घटनाओं की कल्पना करते हैं और उन पर अपने मन में बनने वाली छवियों और विचारों के बारे में लिखित भाषा में अभिव्यक्ति करते हैं।

-भाषा की बारीकियों/व्यवस्था का लिखित प्रयोग करते हैं, जैसे- कविता के शब्दों को बदलकर अर्थ और लय को समझना।

-विभिन्न अवसरों /संदर्भों में कहीं जा रही दूसरों की बातों को अपने ढंग से लिखते हैं, जैसे- स्कूल के किसी कार्यक्रम की रिपोर्ट बनाना आदि।

-अपने अनुभवों को अपनी भाषा शैली में लिखते हैं। लेखन के विविध तरीकों और शैलियों का प्रयोग करते हैं, जैसे- विभिन्न तरीकों से (कहानी, कविता, निबंध आदि) कोई अनुभव लिखना।

-दैनिक जीवन से अलग किसी घटना स्थिति पर विभिन्न तरीके से सृजनात्मक ढंग से लिखते हैं, सोशल मीडिया पर या संपादक के नाम पत्र आदि।

-अपने पाठक और लिखने के उद्देश्य को ध्यान में रखते हुए अपनी बात को प्रभावी ढंग से लिखते हैं।

-अभिव्यक्तियों की विविध शैलियों को पहचानते हैं, जैसे- कविता, कहानी, निबंध आदि।

पाठ्य-पुस्तक-

1.वसंत भाग 3 – NCERT

http://ncertbooks.prashanthellina.com/class_8.Hindi.Vasant/

2.अमृत संचय- महादेवी वर्मा- सरस्वती प्रकाशन

3.व्याकरण पुष्प (8)-लेखिका-कुसुम अग्रवाल - ब्लूप्रिंट एजुकेशन

अप्रैल' 2021

वसंत- 1. लाख की चूड़ियाँ, 2. ध्वनि

व्याकरण पुष्प- 1.भाषा, बोली, लिपि और व्याकरण।

जून' 2021

व्याकरण- 1.भाषा, बोली, लिपि और व्याकरण,

2. वर्ण-विचार

-मुहावरे 1 से 16, लोकोक्तियाँ- 1 से 8,

-अनेक शब्दों के लिए एक शब्द- 1 से 19,

-पर्यायवाची शब्द- 1 से 16, -विलोम शब्द- 1 से 34,

-अनेकार्थक शब्द- 1 से 16, -एकार्थी शब्द- 1 से 9,

-श्रुतसम भिन्नार्थक शब्द- 1 से 14,

अपठित गद्यांश अनुच्छेद-लेखन व विज्ञापन-लेखन।

जुलाई' 2021

वसंत- 5. भगवान के डाकिए, 3.बस की यात्रा

अमृतसंचय- गौरा, घीसा

व्याकरण- 4. शब्द-विचार, अनौपचारिक पत्र-लेखन।

अगस्त'2021-

वसंत- 7. क्या निराश हुआ जाए, 9.कबीर की साखियाँ

अमृतसंचय- 3. सोना

व्याकरण- 11. उपसर्ग, 12. प्रत्यय 14. संज्ञा, 15. लिंग, 16. वचन, 17. कारक

सितंबर' 2021-

व्याकरण- 18.सर्वनाम

-मुहावरे- 17 से 33, लोकोक्तियाँ- 9 से 16,

-पर्यायवाची शब्द- 17 से 33, विलोम शब्द- 35 से 69,

-एकार्थी शब्द- 10 से 18, अनेकार्थक शब्द- 17 से 33,

-श्रुतसम भिन्नार्थक शब्द- 15 से 29, अनुच्छेद-लेखन,

-अनेक शब्दों के लिए एक शब्द- 20 से 39, अभ्यास-कार्य।

अमृतसंचय- 4. गिल्लू

अक्टूबर' 2021-

वसंत- 10. कामचोर,

व्याकरण- 19. विशेषण, 20. क्रिया

नवंबर' 2021-

वसंत- 12 सुदामा चरित,

व्याकरण- काल, मुहावरे- 34 से 50, लोकोक्तियाँ- 17 से 24,

-पर्यायवाची शब्द- 34 से 49, विलोम शब्द- 70 से 104,

-एकार्थी शब्द- 19 से 27, अनेकार्थक शब्द- 34 से 50,

-श्रुतसम भिन्नार्थक शब्द- 30 से 44, अनुच्छेद-लेखन,

-अनेक शब्दों के लिए एक शब्द- 40 से 59,

अमृतसंचय- दुर्मुख

दिसम्बर' 2021-

वसंत- 12 सुदामा चरित, 14. अकबरी लोटा,

अमृत संचय- नीलकंठ

व्याकरण- अव्यय

जनवरी' 2022-

वसंत- 15 सू के पद 18. टोपी

व्याकरण- 13 समास 26. वाक्य-विचार, 28. विराम-चिह्न

मुहावरे- 51 से 65, लोकोक्तियाँ- 25 से 32 ,

पर्यायवाची शब्द- 50 से 65, विलोम शब्द- 105 से 137,

एकार्थी शब्द- 28 से 36, अनेकार्थक शब्द- 51 से 64,

श्रुतिसम भिन्नार्थक शब्द- 45 से 58,

अनेक शब्दों के लिए एक शब्द- 60 से 76

अपठित-गद्यांश, अनुच्छेद-लेखन, विज्ञापन-लेखन, पत्र-लेखन, संवाद-लेखन।

फरवरी' 2022-

व्याकरण- अपठित-गद्यांश, अनुच्छेद-लेखन, विज्ञापन-लेखन, पत्र-लेखन, संवाद-लेखन व अभ्यास-कार्य।

मार्च' 2022-

अभ्यास-कार्य ।

सामयिक परीक्षा I-

वसंत- 1. ध्वनि, 2. लाख की चूड़ियाँ

व्याकरण पुष्प- 1.भाषा, बोली, लिपि और व्याकरण, 2. वर्ण-विचार,

-मुहावरे 1 से 16, लोकोक्तियाँ- 1 से 8, अनेक शब्दों के लिए एक शब्द- 1 से 19,

-पर्यायवाची शब्द- 1 से 16, -विलोम शब्द- 1 से 34,

-अनेकार्थक शब्द- 1 से 16, -एकार्थी शब्द- 1 से 9,

-श्रुतसम भिन्नार्थक शब्द- 1 से 14, अपठित गद्यांश, अनुच्छेद-लेखन व विज्ञापन-लेखन।

मध्यावधिक परीक्षा-

वसंत- 1. ध्वनि 2. लाख की चूड़ियाँ, 3.बस की यात्रा

5. भगवान के डाकिए, 7. क्या निराश हुआ जाए, 9. कबीर की साखियाँ

अमृतसंचय- गौरा, घीसा, सोना

व्याकरण पुष्प- 4. शब्द-विचार, 11. उपसर्ग, 12. प्रत्यय

14. संज्ञा, 15. लिंग, 16. वचन, 17. कारक

मुहावरे- 17 से 33, लोकोक्तियाँ- 9 से 16,

-पर्यायवाची शब्द- 17 से 33, विलोम शब्द- 35 से 69,

-एकार्थी शब्द- 10 से 18, अनेकार्थक शब्द- 17 से 33,

-श्रुतसम भिन्नार्थक शब्द- 15 से 29, अनुच्छेद-लेखन,

-अनेक शब्दों के लिए एक शब्द- 20 से 39 अपठित गद्यांश, अनुच्छेद-लेखन व विज्ञापन-लेखन।

सामयिक परीक्षा II-

वसंत- 5. भगवान के डाकिए, 7. क्या निराश हुआ जाए, 10. कामचोर, 12 सुदामा चरित

व्याकरण पुष्प- 18.सर्वनाम, 19. विशेषण

मुहावरे- 34 से 50, लोकोक्तियाँ- 17 से 24,

-पर्यायवाची शब्द- 34 से 49, विलोम शब्द- 70 से 104,

-एकार्थी शब्द- 19 से 27, अनेकार्थक शब्द- 34 से 50,

-श्रुतसम भिन्नार्थक शब्द- 30 से 44, अनुच्छेद-लेखन,

-अनेक शब्दों के लिए एक शब्द- 40 से 59 अपठित गद्यांश, अनुच्छेद-लेखन व विज्ञापन-लेखन।

वार्षिक परीक्षा-

वसंत- कबीर की साखियाँ, कामचोर, सुदामा चरित, सूर के पद, अकबरी लोटा, टोपी।

अमृत संचय- गिल्लू, दुर्मुख, नीलकंठ

व्याकरण- सर्वनाम, विशेषण, समास, क्रिया, काल, अव्यय, वाक्य-विचार, विराम-चिह्न

मुहावरे- 51 से 65, लोकोक्तियाँ- 25 से 32 ,

पर्यायवाची शब्द- 50 से 65, विलोम शब्द- 105 से 137,

एकार्थी शब्द- 28 से 36, अनेकार्थक शब्द- 51 से 64,

श्रुतिसम भिन्नार्थक शब्द- 45 से 58,

अनेक शब्दों के लिए एक शब्द- 60 से 76

अपठित-गद्यांश, अनुच्छेद-लेखन, विज्ञापन-लेखन, पत्र-लेखन, संवाद-लेखन।

MATHEMATICS

OBJECTIVES

Understanding Objectives:

To enable students to acquire

The knowledge of language of mathematics.

Understanding of various concepts i.e. concept of number, concept of direction, concept of measurement etc.

Mathematical ideas like facts, principles, processes, and relationships.

Skill Objectives:

The student acquires and develops the following skills:

- Technique of problem solving.
- Ability to estimate, check and verify results.
- Performing calculations, orally and mentally.
- Thinking correctly, drawing conclusions, generalizations and inferences.
- Speed, neatness, accuracy, brevity and precision in mathematical calculations.

- Skill in drawing geometrical figures, reading, interpreting graphs and statistical tables.

Textbook: NCERT Mathematics textbook for Class VIII

Reference Book: Exemplar

April

Unit VI- Squares and Square Roots

LEARNING OUTCOMES: Students will be able to learn about-

- Square numbers and its properties.

JUNE

Unit VI- Squares and Square Roots

LEARNING OUTCOMES: Students will be able to learn about-

- Square roots and methods of finding square roots.
- Application of square roots.

Unit VII- Cube and Cube Roots

- LEARNING OUTCOMES: Students will be able to learn about-
- Cube numbers.
- Cube roots.

JULY

Unit I – Rational Numbers

LEARNING OUTCOMES: Students will be able to learn about-

- Properties of rational numbers.
- Representation on the number line.

- Rational numbers between two given rational numbers.

Unit II – Linear Equations in one variable

LEARNING OUTCOMES: Students will be able to learn about-

- Solving Linear Equation.
- Application of Linear Equation.
- Equations reducible to the linear form.

AUGUST

Unit-III –Understanding Quadrilaterals

LEARNING OUTCOMES: Students will be able to learn about-

- Polygons
- Angle sum property of polygon.
- Special types of Quadrilaterals.

Unit IV – Practical Geometry

LEARNING OUTCOMES: Students will be able to learn about-

Construction of Quadrilaterals

- When the length of 4 sides and diagonal are given.
- When the length of 3 sides and 2 diagonals are given.
- When 2 angles and 3 sides are given.
- When 3 angles and 2 sides are given. Special types of Quadrilaterals.

September

Unit V- Data Handling

LEARNING OUTCOMES: Students will be able to learn about-

- Frequency distribution table
- Histogram
- Pie chart
- Probability

Unit VIII- Comparing Quantities

LEARNING OUTCOMES: Students will be able to learn about-

- Recalling Ratios and Percentage
- Finding Increase and Decrease Percent
- Finding Discount
- Profit and Loss
- Sale Tax/Value Added Tax and Service Tax
- Compound Interest
- Application of Compound Interest

OCTOBER

Unit IX – Algebraic Expression

LEARNING OUTCOMES: Students will be able to learn about-

- Monomials, Binomials and Trinomials.
- Operations on algebraic expressions
- Algebraic Identities.

November

Unit XI- Mensuration

LEARNING OUTCOMES: Students will be able to learn about-

- Area of plane figures (Square, Rectangle, Rhombus and Trapezium).
- Surface area of Cube, Cuboid and Cylinder.
- Volume of Cube, Cuboid and Cylinder.

Unit XII- Exponents and Powers

LEARNING OUTCOMES: Students will be able to learn about-

- Negative Exponents.
- Laws of exponents.
- Standard form of writing Powers.

December

UNIT XIII- Direct and Inverse Proportion

LEARNING OUTCOMES: Students will be able to learn about-

- Direct Proportion
- Inverse Proportion
- Application in day to day life

JANUARY

Unit XIV – Factorisation

LEARNING OUTCOMES: Students will be able to learn about-

- By taking out a common factor.
- By regrouping of terms.
- By middle term splitting.
- By using Identities.
- Division of Polynomials.
- Common Errors made in Algebra.

UNIT XV- Introduction of Graphs(ACTIVITY)

LEARNING OUTCOMES: Students will be able to learn about-

Basics of Graphs
 Linear Graphs
 Some application in day to day life

.

FEBRUARY

UNIT XVI- Playing with numbers(ACTIVITY)

LEARNING OUTCOMES: Students will be able to learn about-

Numbers in General form
 Game with Numbers
 Letters for digits

Test of divisibility

Revision for Annual Exams

EXAMWISE SYLLABUS BREAKUP

MONDAY TEST 1:

UNIT-VI: Square and Square Roots

UNIT-VII: Cube and Cube Roots

MID-TERM:

Unit VI- Squares and Square Roots

Unit VII- Cube and Cube Roots

Unit I – Rational Numbers

Unit II – Linear Equations in one variable

Unit-III – Understanding Quadrilaterals

Unit IV – Practical Geometry

MONDAY TEST 2:

Unit V- Data Handling

Unit VIII- Comparing Quantities

ANNUAL EXAMS:

Unit V- Data Handling

Unit VIII- Comparing Quantities

Unit IX – Algebraic Expression

Unit XI- Mensuration

Unit XII- Exponents and Powers

UNIT XIII- Direct and Inverse Proportion

Unit XIV – Factorisation

SCIENCE SYLLABUS(2023-24)

Science is a body of knowledge based on experiment, observation and inference, which is judgment based on evidence. Through science teaching, children are required to develop certain scientific ways of thinking as they work. The subject of science plays an important role in developing well-defined abilities in cognitive, affective and psychomotor domains in children. It augments the spirit of enquiry, creativity, objectivity and aesthetic sensibility.

OBJECTIVES

Science teaching aims to realize the following general objectives. It enables the learners to

- know the facts and principles of science and its applications, consistent with the stage of cognitive development
- acquire the skills and understand the methods and processes that lead to generation and validation of scientific knowledge.
- develop intellectual and practical scientific skills.
- motivate to apply basic scientific principles in all sciences.
- acquire knowledge about health, environment and safety practices and behave accordingly.
- realize that some natural resources can be depleted and make them aware of the role of science in sustaining these resources.
- use scientific knowledge and skills in novel situations especially in everyday life.
- emphasize the role of scientists in the advancement of human kind.
- develop scientific curiosity and orientation toward scientific research.
- work independently and cooperatively in solving scientific problems.
- help the students to get acquainted with the impact of science over the environment surrounding them and to develop their interest in the study of science.
- develop scientific attitude among children.
- cultivate the habit of systematic and logical thinking.
- develop the habit and ability of drawing correct inferences out of the available facts and evidences.

Textbook: NCERT Science textbook for Class VIII

Reference Book: NCERT Exemplar

MONTH WISE SYLLABUS BREAK UP

APRIL

CHAPTER 1 CROP PRODUCTION AND MANAGEMENT

Agricultural practices, basic practices of crop production: preparation of soil, agricultural implements, sowing, adding manures and fertilizers, irrigation, traditional and modern methods of irrigation, protection from weeds, harvesting, storage, food from animals.

CHAPTER 2 MICROORGANISMS: FRIEND AND FOE

Microorganisms, where do microorganisms live? microorganisms and us, friendly microorganisms, harmful microorganisms, food poisoning, food preservation, nitrogen fixation, nitrogen cycle.

MAY

CHAPTER 2 MICROORGANISMS: FRIEND AND FOE (CONTINUED....)

CHAPTER 5 COAL AND PETROLEUM

Inexhaustible and exhaustible natural resources, coal—coke, coal tar, coal gas; petroleum and refining of petroleum, natural gas, some natural resources are limited.

JULY

CHAPTER 11 FORCE AND PRESSURE

Force—a push or a pull, forces are due to an interaction, exploring forces, a force can change the state of motion, force can change the shape of an object, contact forces - muscular force, friction, non-contact forces—magnetic force, electrostatic force, gravitational force, pressure, pressure exerted by liquids and gases, atmospheric pressure.

CHAPTER 16 LIGHT

What makes things visible? laws of reflection, regular and diffused reflection, reflected light can be reflected again, multiple images, kaleidoscope, sunlight—white or coloured, what is inside our eyes? care of the eyes, visually challenged persons can read and write, what is the Braille system?

AUGUST

CHAPTER 6 COMBUSTION AND FLAME

What is combustion? How do we control fire? Types of combustion, flame, structure of a flame, what is a fuel? Fuel efficiency, burning of fuels leads to harmful products.

Revision for Mid Term examination

CHAPTER 7 CONSERVATION OF PLANTS AND ANIMALS

Deforestation and its causes, consequences of deforestation, conservation of forest and wildlife, biosphere reserve, flora and fauna, endemic species, wildlife sanctuary, national park, red data book, migration, recycling of paper, reforestation.

SEPTEMBER

REVISION FOR MID TERM EXAMS

OCTOBER

CHAPTER 12 FRICTION

Force of friction, factors affecting friction, friction: a necessary evil, increasing and decreasing friction, wheels reduce friction, fluid friction.

CHAPTER 13 SOUND

Sound is produced by a vibrating body, sound produced by humans, sound needs a medium for propagation, we hear sound through our ears, amplitude, time period and frequency of a vibration, loudness and pitch, audible and inaudible sounds, noise and music, noise pollution, harms of noise pollution, measures to limit noise pollution.

NOVEMBER

CHAPTER 14 CHEMICAL EFFECTS OF ELECTRIC CURRENT

Do liquids conduct electricity? making conduction tester using LED and magnetic compass, chemical effects of electric current, electroplating, applications of electroplating.

DECEMBER

CHAPTER 15 SOME NATURAL PHENOMENA

Lightning, the sparks that the Greeks knew about, charging by rubbing, types of charges and their interaction, transfer of charge, the story of lightning, lightning safety, do's and don'ts during a thunderstorm, lightning conductors, earthquakes, what is an earthquake, causes of an earthquake, protection against earthquakes.

CHAPTER 9 REPRODUCTION IN ANIMALS

Modes of reproduction, sexual reproduction, male reproductive organs, female reproductive organs, fertilization, development of embryo, viviparous and oviparous animals, young ones to adults, asexual reproduction.

JANUARY

CHAPTER 10 REACHING THE AGE OF ADOLESCENCE

Adolescence and puberty, changes at puberty, secondary sexual characters, role of hormones in initiating reproductive function, reproductive phase of life in humans, how is the sex of the baby determined? hormones other than sex hormones, role of hormones in completing the life history of insects and frogs, reproductive health, nutritional needs of the adolescents, personal hygiene, physical exercise, say "NO" to drugs. Revision for annual examination

EXAM WISE SYLLABUS BREAK UP

PERIODIC TEST-1

CH-1 CROP PRODUCTION AND MANAGEMENT

MID TERM EXAMINATION

CH-1 CROP PRODUCTION AND MANAGEMENT

CH-2 MICROORGANISMS: FRIEND AND FOE
CH-5 COAL AND PETROLEUM
CH- 6 COMBUSTION AND FLAME
CH-7 CONSERVATION OF PLANTS AND ANIMALS
CH-11 FORCE AND PRESSURE
CH-16 LIGHT

PERIODIC TEST –2

CH-12 FRICTION
CH-13 SOUND

ANNUAL EXAMINATION

CH-2 MICROORGANISMS: FRIEND AND FOE
CH- 6 COMBUSTION AND FLAME
CH-9 REPRODUCTION IN ANIMALS
CH-10 REACHING THE AGE OF ADOLESCENCE
CH-12 FRICTION
CH-13 SOUND
CH-14 CHEMICAL EFFECTS OF ELECTRIC. CURRENT
CH-15 SOME NATURAL PHENOMENA
CH-16 LIGHT

SOCIAL SCIENCE

MONTHWISE SYLLABUS BREAKUP

General Objectives:

- 1. To help learners understand and cherish the values enshrined in the Indian constitution and to prepare them for their roles and responsibilities as effective citizens of a democratic society.**
- 2. To help pupils acquire knowledge, skills and understanding to face the challenges of contemporary society as individuals and groups and learn the art of living a confident and stress free life as well as participating effectively in the community.**
- 3. To help learners understand the role of Parliament, its functions, its needs in Indian society.**
- 4. To develop an appreciation of the richness and variety of India's heritage both natural and cultural and the need for its preservation.**
- 5. Understand the importance of water as a resource as well as develop awareness towards its judicious use and conservation.**
- 6. Describe the spatial distribution of major crops as well as understand the relationship between rainfall regimes and cropping pattern.**
- 7. Discuss various types of conventional and non-conventional resources and their utilization.**

Textbook for the session-2021-2022

1. Our Pasts-III

Textbook in History for class VIII-NCERT

2. Social and Political life- III

Textbook for class VIII-NCERT

3. Resources and Development-NCERT

MONDAY TEST-I

April-

History-Chapter-1-How,when and where

Learning Outcomes-Students can explain the British administration over India.

May-

Civics-Chapter-1- The Indian Constitution

Learning Outcomes-Students will interpret social and political issues in one's own region with reference to the constitution of India illustrate the Fundamental Rights and Fundamental Duties with appropriate examples.

Geography-Chapter-1: Resources

Learning Outcomes-Students will analyse uneven distribution of natural and human made resources on the earth.

June-

History-Chapter-2-From trade to territory

Learning Outcomes-Students will explain how the English East India Company became the most dominant power.

Geography-Chapter-2: land, Soil, Water, Natural Vegetation and Wildlife Resource

Learning Outcomes-Students will justify judicious use of natural resources such as water, soil, forest etc. to maintain developments in all areas.

July-

History-Chapter-3-Ruling the countryside

Learning Outcomes-Students will explain the differences in the impact of colonial agrarian policies in different regions of the country like the indigo rebellion.

Chapter-3 Why do we need a Parliament?

Learning Outcomes-Students will differentiate between the State government and Union government.

Students will describe the process of election to the Lok Sabha.

Geography-Chapter-2: land, Soil, Water, Natural Vegetation and Wildlife Resources (Contd.)

Learning Outcomes-Learning Outcomes-Students will justify judicious use of natural resources such as water, soil, forest etc. to maintain developments in all areas.

August-

History-Chapter-4 Tribals, dikus and the vision of a golden age

Learning Outcomes-Students will explain the policies of the colonial administration towards the tribal communities.

History-Chapter-5-When people rebel

Learning Outcomes-Students will explain the origin,nature and spread of the revolt of 1857 and the lessons learned from it.

Geography-Chapter-3: Agriculture

Learning Outcomes-Students will analyse the factors due to which some countries are known for production of major crops e.g. wheat, rice, cotton, jute etc. and locate these countries on the world map.

Civics-Chapter-5-Judiciary

Learning Outcomes-Students will describe the functioning of the judicial system in India by citing some landmark cases.

September-

Civics-Chapter-2-Understanding Secularism

Learning Outcomes-Students will be able to know about the role of secularism in India.

October-

History- Chapter-6-Weavers, Iron smelters and factory owners

Learning Outcomes- Students will analyse the decline of pre-existing urban centres and handicraft industries and the development of new urban centres and industries in India during the colonial period.

Civics-Chapter-6-Understanding our criminal justice system

Learning Outcomes-Students will demonstrate how to file a First Information Report(FIR).

History-Chapter-7-Civilizing the natives and Educating the nation.

Learning Outcomes-Students will explain the institutionalisation of the new education system in India.

November-

History- Chapter-8- Women, Caste and religion

Learning Outcomes-Students will analyse the issues related to caste, women, widow remarriage, child marriage, social reforms and the laws and policies of colonial administration towards these issues.

Civics-Chapter-7-Understanding marginalisation

Learning Outcomes-Students will analyse causes and consequences of marginalisation faced by disadvantaged sections of one's own region.

Chapter-4: Industries

Learning Outcomes-Students will be able to classify different types of industries based on raw materials , size and ownership.

December-

Civics-Chapter-8-Confronting Marginalisation

Learning Outcomes-Students will explain the policies of the government for the protection of the disadvantaged section of the society.

Geography-Chapter-4: Industries (Contd.)

Learning Outcomes-Learning Outcomes-Students will be able to classify different types of industries based on raw materials , size and ownership.

Chapter-5: Human Resources

Learning Outcomes-Students will draw bar diagram to show population of different countries/India/states distinguish the modern period from the medieval and the ancient periods through the use of sources, nomenclatures used for various regions of the Indian subcontinent and the broad developments.

January-

History-Chapter-9-The making of the national movements

Learning Outcomes-Students will outline the course of the Indian national movement from the 1870s till independence.

Civics-Chapter-9-Public facilities

Learning Outcomes-Students will identify the role of Government in providing public facilities such as water, sanitation, road, electricity etc. and recognise their availability.

Geography-Chapter-5: Human Resources (Contd.)

Learning Outcomes-Students will interpret the world map for uneven distribution of population.

February-

History-Chapter-10-India after Independence

Learning Outcomes-Students will analyse the significant developments in the process of nation building.

CIVICS-Chapter-10-Law and social justice

Learning Outcomes-Students will describe the role of Government in regulating economic activities.

REVISION

EXAMWISE SYLLABUS BREAKUP

MONDAY TEST-I

- **HISTORY Ch.1**
- **GEOGRAPHY Ch.1**

MID TERM

- **HISTORY ch 2,3,4,5.**
- **GEOGRAPHY ch 2,3**
- **CIVICS ch 3,4**

MONDAY TEST-II

- **HISTORY ch.6**
- **GEOGRAPHY ch. 4**
- **CIVICS ch.6.**

ANNUAL EXAMINATION

- **HISTORY ch.3,4,5,6,7,8,9,10.**
- **GEOGRAPHYch.4,5**
- **CIVICS ch.2,5,6,7,8,9,10.**

संस्कृत पाठ्यक्रम (कोड : 122)

शिक्षणोद्देश्यानि -

- वसुधैव-कुटुम्बकम् इति भावना विकासार्थं
- भारतीय भाषाणां संरक्षणार्थं
- आत्मानुशासनस्य संस्थापनार्थं
- सन्स्क्रत्साहित्यस्य अध्ययनेन ज्ञानानन्दस्य अनुभूतिः
- भाषाशिक्षण कोशलानि वर्धनाय नैपुण्यप्रप्तिः

पाठ्य पुस्तक

रुचिरा भाग 3 (एनसीईआरटी)

अप्रैल

- पाठ 1
- शब्द रूप अस्मद्, युष्मद्
- धातु रूप (लट् लकार , लृट् लकार,)
- संख्या 51 से 75
- प्रत्यय क्त्वा, ल्यप्

जून

- पाठ, 2
- चित्र वर्णन
- दीर्घ स्वर संधि
- उपपद विभक्ति द्वितीया , तृतीया

जुलाई

- पाठ 3
- संख्या 76 से 100
- प्रत्यय क्त्वा, ल्यप्
- उपपद विभक्ति चतुर्थी से सप्तमी तक
- अपठित गद्यांश
- लोट् लकार , लङ् लकार

अगस्त

- पाठ 4 , 5
- पत्र लेखन
- धातु रूप चारों लकारों में
- शब्द रूप यत् पुल्लिङ्ग, स्त्रीलिङ्ग नपुंसकलिङ्ग

सितंबर

- शब्द रूप पुनरावृत्ति
- धातु रूप पुनरावृत्ति
- स्वर संधि दीर्घ ,गुण, वृद्धि
- अपठित गद्यांश

अक्टूबर

- पाठ 10 नीतिनवनीतं
- शब्द रूप इदम् पुल्लिंग
- संख्या 51 से 75
- संधि
- धातु रूप लोट् लकार
- अपठित गद्यांश

नवंबर

- पाठ 11 सावित्रीबाई फुले
- शब्द रूप इदम् स्त्रीलिंग
- धातु रूप लङ् लकार
- संख्या 76 से 100
- पत्र लेखन

दिसंबर

- पाठ 13 क्षितौ राजते भारतस्वर्णभूमिः
- शब्द रूप इदम् नपुंसकलिंग
- धातु रूप लट् लकार तथा लृट् लकार
- गिनती 51 से 100
- चित्र वर्णन

जनवरी

- पाठ 15 प्रहेलिका
- चित्र वर्णन
- अपठित गद्यांश

फरवरी

- पाठ्यक्रम पुनरावृत्ति

सोमवार परीक्षा 1

पाठ्य पुस्तक

रुचिरा भाग 3 (एनसीईआरटी)

- पाठ 1 , 2
- शब्द रूप अस्मद्, युष्मद्
- धातु रूप (लट् लकार , लृट् लकार,)
- संख्या 51 से 75
- प्रत्यय क्त्वा, ल्यप्
- दीर्घ स्वर संधि
- उपपद विभक्ति द्वितीया , तृतीया
अपठित गद्यांश , चित्र वर्णन

मध्यावधिक परीक्षा

- पाठ 1 ,2,3,4,5
- शब्द रूप अस्मद्, युष्मद्
 - धातु रूप (लट् लकार , लृट् लकार,)
 - लोट् लकार , लङ् लकार
 - संख्या 51 से 75
 - प्रत्यय क्त्वा, ल्यप्
 - दीर्घ स्वर संधि
 - उपपद विभक्ति द्वितीया , तृतीया
 - उपपद विभक्ति चतुर्थी से सप्तमी तक
 - अपठित गद्यांश , चित्र वर्णन
- संस्कृत अनुवाद

सोमवार परीक्षा 2

- पाठ 10 नीतिनवनीतं
- पाठ 11 सावित्रीबाई फुले
- शब्द रूप इदम् पुल्लिङ्ग
- इदम् स्त्रीलिङ्ग
- संख्या 51 से 75
- संधि
- धातु रूप लोट् लकार
- धातु रूप लङ् लकार
- संख्या 76 से 100
- पत्र लेखन
- अपठित गद्यांश

वार्षिक परीक्षा

- पाठ 10,11,13,15
- शब्द रूप
- संधि
- धातु रूप चारों लकार
- प्रत्ययाः
- संख्या 51 से 100
- पत्र लेखनम्
- चित्र वर्णन
- अपठित गद्यांश
- उपपद विभक्ति द्वितीया ,तृतीया, चतुर्थी से सप्तमी तक
- संस्कृत अनुवाद

SUBJECT :GERMAN

Prescribed Text-book and Workbook: Hallo Deutsch 3!

Author: Giorgio Motta

Suggested References: Langenscheidt Euro Dictionary

Publisher: (Klett Publishing House, Published in India by Goyal Publishers)

Month wise syllabus:

German Syllabus: Hallo Deutsch 3!

April'21:

Lektion 1 (Modul 5): Stefan, wie geht's dir?

- To ask and tell about wellbeing of person
- To name a few common ailments and remedies
- To formulate instructions using "Imperative"
- Dativ Case - Definite Article, Personal Pronouns
- Interrogative Case – Wem
- Imperative

June'21:

Lektion 1 (Modul 5): Stefan, wie geht's dir?

- Revision
- Completion of Arbeitsbuch Exercises

July'21:

Lektion 2 (Modul 5): Gesund leben

- Discuss healthy & unhealthy habits & foods
- Modal Verbs: dürfen, sollen

Monday Test- 1 Syllabus:

- **Lektion-1 Stefan, wie geht's dir?**
- **Lektion-2 Gesund leben (vocabulary only)**

(Conti.....) Lektion 2 (Modul 5): Gesund leben

- To ask for permission
- To forbid something
- To speak & write a simple recipe
- Subordinate Clause – weil

August'21:

Lektion 3 (Modul 5): Was hast du für deine Gesundheit getan?

- To talk about the past events
- Tense: Past (perfect); haben/ sein; regular/ irregular verbs
- Adverb of Time

September'21:

REVISION

Mid-Term 1- German Syllabus:

- Lektion 1: Stefan, wie geht's dir?
- Lektion 2: Gesund leben
- Lektion 3: Was hast du für deine Gesundheit getan?

October'21:

Lektion 1 (Modul 6): Wo ist Tina?

- To inquire about the whereabouts of a person or a place
- To fix a meeting
- To orient oneself in a city
- Verb: wissen
- Wechselpräpositionen (mit Dativ)

November'21:

Lektion 2 (Modul 6): Hast du Lust ins Kino zu gehen?

- To plan an outing
- To enquire about the way
- To give directions
- Prepositions of place
- Indefinite with zu
- Accusative Prepositions

December'21:

Lektion 3 (Modul 6): Ordnung muss sein!

- To ask about the whereabouts of an object
- To ask where to place an object & to answer the same
- To describe the room
- Verbs: stellen - stehen, legen – liegen, sitzen – setzen, hängen
- Wechselpräpositionen
- Conjunctions

January'22:

REVISION

COMPUTER SCIENCE

General Objective: It will focus on knowledge and skills to develop scientific attitude, use and application of such knowledge and skills to improve the quality of life and further use this learning to analyze, evaluate, synthesize, create, invent and discover.

Text Book: SCRATCH WINDOWS Boost Your Click 8

APRIL

Lesson 1: Networking and E-Commerce

Learning Outcomes:

The students will learn about:

- **What is Networking?**
- **Advantages and Disadvantages of Networking**

JUNE

Lesson 1: Networking and E-Commerce

Learning Outcomes:

The students will learn about:

- **What is Networking?**
- **Advantages and Disadvantages of Networking**
- **Different Types of Networks : LAN, WAN, MAN , PAN**
- **What are Communication Channel**
- **Types of Communication Channel**
- **Different types of Wired Communication Channel**
- **Different types of Wireless Communication Channel**
- **Network Devices like RT 45. Hub, Switch**
- **Network Topologies like Bus, Ring , Star**

- **The advantages and disadvantages of these topologies**
- **Applications of Wireless Technology like Cloud Computing, Blogging, E-commerce and its applications**
- **E-Learning**
- **E-Banking**
- **E-Shopping**
- **E-Publishing**

JULY

Lesson 2: Introduction to MS Access 2010

Learning Outcomes:

The students will learn about:

- **Database and DBMS**
- **Advantages of Database**
- **Elements of Database**
- **Microsoft Access 2010**
- **Creating a Table in MS Access**
- **Opening an existing Table**
- **Changing the Table design**

Lesson 3: More in MS Access 2010

Learning Outcomes:

The students will learn about:

- **Sorting Data**
- **Filtering Data**

PRACTICAL: MS ACCESS: Designing Database, Tables,

Sorting Data and Filtering Data

AUGUST

Lesson 3: More in MS Access 2010

Learning Outcomes:

The students will learn about:

- **Forms**
- **Designing Forms using Form Wizard**
- **Queries**
- **Designing Queries using Query Wizard**
- **Reports**

PRACTICAL: MS ACCESS: Designing Database, Forms, Queries

Lesson: Artificial Intelligence

Learning Outcomes:

The students will learn about:

- **What is AI?**
- **Examples of AI**
- **What is not AI?**
- **Future of AI**

SEPTEMBER

REVISION FOR MID TERM EXAM

MID TERM EXAM SYLLABUS	Lesson: Artificial Intelligence Lesson 1: Networking and E-Commerce Lesson 2: Introduction to MS Access 2010
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OCTOBER

Lesson 6: Lists and Images in HTML

Learning Outcomes:

The students will learn about:

- **Lists in HTML**
- **Ordered List**
- **Unordered List**
- **Definition Term List**
- **Marquee Tag and its Attributes**
- **Image Tag and its Attributes**

PRACTICAL: HTML: Creating Lists, Moving Text and Images, Inserting Images in a Web Page

Lesson 7: Tables and Linking in HTML

Learning Outcomes:

The students will learn about:

- **Tables in HTML**
- **Linking in HTML**

PRACTICAL: HTML: Creating Tables and Linking Web pages

NOVEMBER

Lesson 7: Tables and Linking in HTML (Contd.)

Learning Outcomes:

The students will learn about:

- **Anchor Element**
- **Colours of the Link**

Lesson 8: Animation in Flash 8

Learning Outcomes:

The students will learn about:

- **Animations**
- **Components of Animation**
- **Tweened Animations**
- **Motion Tweening**
- **Shape Tweening**
- **Masking Effect**

PRACTICAL: Designing Webpages and Creating Animation

DECEMBER

Lesson 4: Introduction to Photoshop

Learning Outcomes:

The students will learn about:

- **Features of Photoshop**
- **Starting Photoshop**
- **Creating a new file in Photoshop**
- **Use of various tools like Marquee Tool, Move Tool, Lasso Tool**
- **Use of various tools like Magic Wand Tool, Crop Tool, EyeDropper Tool**
- **Extracting an image from its background**
- **Background and foreground colors**

Lesson 5: More on Photoshop

Learning Outcomes:

The students will learn about:

- **Painting Tools**
- **Gradient Tools**
- **Adding text to an image**
- **Working with Layers**

PRACTICAL: Working on Images in Photoshop

JANUARY

Lesson 10: Know your Cyberspace

Learning Outcomes:

The students will learn about:

- **Cyberspace, Cyber Ethics, Cyber Security, Cyber Safety**
- **Cyber Law , Cookies**
- **Hackers and Crackers**

- **Firewall**
- **Malware**
- **Cyber Crime**
- **Types of Cyber Crime**

FEBRUARY

REVISION FOR FINAL TERM EXAM

FINAL TERM EXAM SYLLABUS	Lesson 4: Introduction to Photoshop Lesson 6: Lists and Images in HTML Lesson 10: Know your Cyberspace
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General Knowledge

MID TERM

Chapter 1 to 30

ANNUAL EXAMINATION

Chapter 31 onwards