

**AITCHISON COLLEGE
LAHORE**



**A GUIDE TO ADMISSIONS
(SYLLABI)**

ACADEMIC YEAR 2027-2028

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The Guide to Syllabuses is a ‘guide only.’ Papers for admission are set according to what the College requires of each year group for the purpose of ranking only. There is no ‘pass’ or ‘fail.’

JUNIOR SCHOOL

FOR ADMISSION TO CLASS: Grade 1 or K-1 (**Guide only**)

MATHEMATICS

Note: Use of calculator is not allowed.

Questions will be based on some or all of the following topics:

Pre-number	• Compare objects by size, length, thickness and heights (apply descriptors such as bigger-smaller, longer-shorter, thicker-thinner, higher-lower, etc.).
Whole number	• Recognise, count, name, write, and order numbers 1-50 inclusive. • Know the place value of a number (e.g. units and tens up to and including 50). • Solve simple addition problems (sum will not exceed 48). • Solve simple subtraction problems (manipulations with numbers 1-9 inclusive).
Shapes	Identify similar/ dissimilar shapes (circle, rectangle, square, triangle & oval).

JUNIOR SCHOOL *(continued)*

FOR ADMISSION TO CLASS: Grade 1 or K-1 **(Guide only)**

ENGLISH

The English assessment will have two sections. Both these sections will assess students' English language proficiency.

Candidates will be expected to:

- Have developed familiarity with phonics and spelling of simple words (e.g. CV, VC, CVC).
- Label a picture using three letter words and simple sight words.
- Identify nouns and verbs in sentences.
- Recognise upper case and lower case letters of the alphabets and their sequence.
- Construct simple sentences (4-5 words) with:
 - Use of capital letters and full stops.
 - Subject-verb agreement (e.g. the dog ran)

JUNIOR SCHOOL (continued)

FOR ADMISSION TO CLASS: Grade 1 or K-1 (Guide only)

اُردو نصاب برائے داخلہ - کے اول (محض رہنمائی)

- ۱۔ حروف تہجی کی اشکال اور آوازیں
- ۲۔ تصویر اور حروف کی پہچان
- ۳۔ حروفِ علت کی پہچان اور آواز (ا، و، ی، ے)
- مثلاً (بابا، باجا، راجا)، (آؤ، جاؤ، لاؤ)، (باجی، چابی، رانی)، (لائے، آئے، گائے)
- ۴۔ الفاظ مکمل کریں
- ۵۔ الفاظ بنائیں (اسے انار، ت سے تالا وغیرہ)
- ۶۔ ہم آواز الفاظ (آم نام، آئی لائی، آنا جانا وغیرہ)

JUNIOR SCHOOL *(continued)*

FOR ADMISSION TO CLASS: Grade 2 or K-2 (**Guide only**)

MATHEMATICS (40 marks, 1 hour)

Note: Use of calculator is not allowed.

Questions will be based on some or all of the following topics:

1. Pre-number	• Compare objects by size, length, thickness, height, capacity, and weight using words like bigger–smaller, longer–shorter, heavier–lighter, etc.
2. Whole number	• Recognise and write numbers up to 100 • Order numbers from 1–50, and place them on a number line to show addition and subtraction. • Understand place value (ones, tens, hundreds). • Add and subtract numbers up to 100. • Multiply single-digit numbers using multiplication tables (2–7) to solve simple problems.
3. Shapes	• Identify common shapes (circle, rectangle, square, triangle, oval), their sides and corners. • Distinguish between open and closed shapes.
4. Fractions	• Understand simple fractions for e.g. $\frac{1}{2}$ (half), $\frac{1}{3}$ (third), $\frac{1}{4}$ (fourth), etc. • Identify fractions of shapes by shaded portion.
5. Time	• Tell time, name days of the week, and recall months of the year.
6. Money	• Recognise coins and notes (Rs 1–100); use them to buy and sell items with correct amounts.
7. Graphs	• Read and interpret picture graphs.
8. Patterns	• Sort and classify objects by properties; order them by size or number; identify, analyse, and recognise patterns in numbers or objects.

JUNIOR SCHOOL *(continued)*

FOR ADMISSION TO CLASS: Grade 2 or K-2 **(Guide only)**

ENGLISH

The English Assessment will have two sections: Reading Comprehension and Creative Writing. Both these sections will assess students' English language proficiency.

Reading Comprehension (20 marks)

Candidates are expected to read the given passage and demonstrate their understanding by:

- Answering questions (30% factual, 40% conceptual, 30% inferential)
- Recognising nouns, verbs, and adjectives

Factual (30%)	Conceptual (40%)	Inferential (30%)
Questions that seek specific information that are found directly in the text requiring straightforward information in the text.	Questions that assess the underlying definition, purpose or function of something.	Questions that require readers to go beyond the text and make connections or draw conclusions based on evidence from the text.
Examples*	Examples*	Examples*
1. Where did the black, furry cat go? 2. What happened when Peter came back from school?	1. Pick 2 adjectives from the passage and use them in sentences of your own (e.g. black, furry). 2. What makes you think that Peter was feeling worried?	1. What do you think would have happened if the black, furry cat was not found? 2. Why do you think the black, furry cat got stuck in the tree?

* these examples are for reference only

Creative Writing (20 marks)

Candidates will be required to write 60-70 words on any one of the following:

- **Story prompts:** Candidates will be given a story starter along with a word bank of 10 words. They will be required to carry the story forward and encouraged to use words from the word bank.

Example: *You hear a strange sound coming from your backyard. Curiously, you peep out the window. You are surprised to see a...*

- **Picture description:** Candidates will be given a picture and will be required to describe the scene.

Language skills will be assessed based on the following:

- Sentence construction
- Coherence
- Use of vocabulary (nouns, verbs, adjectives)
- Spelling
- Application of basic grammar rules
- Punctuation (Commas, Full stops, Question Marks)
- Writing in paragraphs

JUNIOR SCHOOL (continued)

FOR ADMISSION TO CLASS: Grade 2 or K-2 (Guide only)

اردو نصاب برائے داخلہ کے دوم

وقت: ایک گھنٹہ

کل نمبر ۴۰

اردو کے امتحان کے دو حصے ہوں گے۔ تفہیم اور تخلیقی لکھائی۔ ان سے طلبہ کی اردو زبان و بیان میں مہارت کو جانچا جائے گا۔

تفہیم (۲۰) نمبر

طلبہ کو ایک عبارت دی جائے گی۔ جس کے مطالعہ کے بعد طلبہ مختلف سوالات کے جوابات تحریر کریں گے۔

یہ سوالات ۳۰ فی صد حقائق پر، ۴۰ فی صد اشاروں اور اندازہ لگانے یا موازنہ کرنے پر اور ۳۰ فی صد تجزیاتی، دلائل پر اور ذاتی رائے پر مبنی ہوں گے۔

حقائق پر مبنی سوالات (۳۰٪)	موازنہ کرنے، اندازہ لگانے اور عبارت میں سے اسم، فعل تلاش کرنے کے سوالات (۴۰٪)	تجزیاتی، دلائل پر مبنی اور ذاتی رائے پر مشتمل سوالات (۳۰٪)
* مثال	* مثال	* مثال
لومڑی نے کیا چیز کھائی؟ لومڑی شیر کو کیا بات بتانے لگی؟	لومڑی نے ٹھنڈا پانی کیوں پیا؟ لومڑی نے انگور کیوں نہ کھائے؟	آپ کے خیال میں لومڑی کو کیا کرنا چاہیے؟ کیا لومڑی کو شیر کو وہ بات بتانی چاہیے؟

* یہ مثالیں صرف حوالہ دینے کے لیے ہیں

تفہیمی عبارت درج ذیل نکات پر مشتمل ہوگی۔

☆ سوالات کے جوابات ☆ معروضی سوالات ☆ الفاظ سازی اور الفاظ کی تشکیل ☆ اسم اور فعل پہچاننا

تخلیقی لکھائی (۲۰) نمبر

طلبہ ۶۰ سے ۷۰ الفاظ پر مبنی ایک تحریر لکھیں گے۔ جیسے:

☆ کہانی کا آغاز، دس ذخیرہ الفاظ کے ساتھ دیا جائے گا اور طلبہ اسے مکمل کریں گے۔

☆ طلبہ کو ایک تصویر دی جائے گی جس کو وہ مناسب الفاظ کے چناؤ کے ساتھ تفصیل سے بیان کریں گے۔

تخلیقی تحریر درج ذیل نکات پر مشتمل ہوگی۔

☆ درست جملہ سازی ☆ تحریر / کہانی میں تسلسل ☆ الفاظ کا درست اور دلچسپ استعمال ☆ املا ☆ بنیادی قواعد اور رموز و اوقاف کا استعمال

JUNIOR SCHOOL *(continued)*

FOR ADMISSION TO CLASS: Grade 3 or K-3 (**Guide only**)

MATHEMATICS (40 marks, 1 hour)

Note: Use of calculator is not allowed.

Questions will be based on some or all of the following topics:

1. Numbers	• Read and write numbers up to 1000; name numbers up to 9999. • Understand place value (ones, tens, hundreds, thousands). • Arrange numbers (before, after, between). • Use ordinal numbers up to 10. • Compare numbers using $>$, $<$, $=$. • Order numbers up to 9999 in ascending/descending order.
2. Addition and Subtraction	• Add and subtract numbers up to 9999. • Use addition tables up to $9+9$. • Perform vertical addition and subtraction (with and without borrowing/carrying). • Understand the commutative property of addition. • Solve word problems involving addition and subtraction.
3. Multiplication	• Multiply single-digit numbers • Multiply two numbers (one single digit and second three digits) • Apply multiplication tables (2–9). • Understand the commutative property of multiplication. • Solve simple multiplication problems.
4. Division	• Understand division as equal sharing/distribution without remainder. • Perform long division (divisors 2–9, dividend up to 999) with or without remainder. • Recognise odd and even numbers up to 999. • Complete number sequences.
5. Shapes	• Identify number of edges, corners, and boundaries of common shapes (circle, rectangle, square, oval etc). • Recognise terms: locus, curve, open/closed curve, straight line, line segment.
6. Fractions	• Work with proper fractions (denominators up to 9). • Recognise fractions visually (12, 13, 14 etc.).
7. Time	• Read and state time on the 24-hour clock. • Recall length of a day and number of days in a week.
8. Money	• Identify currency notes and coins (up to 999). • Select and calculate correct amounts for buying and selling.
9. Calendar	• State number of days in each month. • State the names of months.
10. Patterns	• Sort and classify objects by different properties. • Order objects by size or number. • Identify, extend, and recognise patterns in numbers and objects.

JUNIOR SCHOOL *(continued)*

FOR ADMISSION TO CLASS: Grade 3 or K-3 **(Guide only)**

ENGLISH (40 marks, 1 hour)

The English Assessment will have two sections: Reading Comprehension and Creative Writing. Both these sections will assess students' English language proficiency.

Reading Comprehension (20 marks)

Candidates are expected to read the given passage and demonstrate their understanding by:

- Answering questions (30% factual, 40% conceptual, 30% inferential)
- Recognising nouns, verbs, adjectives & adverbs

Factual (30%)	Conceptual (40%)	Inferential (30%)
Questions that seek specific information that are found directly in the text requiring straightforward information in the text.	Questions that assess the underlying definition, purpose or function of something.	Questions that require readers to go beyond the text and make connections or draw conclusions based on evidence from the text.
Examples*	Examples*	Examples*
1. Who gave James the shiny red balloon? 2. What did the children see when they reached the top of the hill?	1. Pick 2 adjectives from the passage and use them in sentences of your own. 2. Which words in the passage tell you how the children were feeling when they reached the top of the hill?	1. What might happen next after James let go of the red balloon? 2. How do you think the children felt when they saw the rainbow over the hill?

* these examples are for reference only

Creative Writing (20 marks)

Candidates will be required to write 100-150 words on any one of the following:

- **Story prompts:** Candidates will be given a story starter along with a word bank of 10 words. They will be required to carry the story forward and encouraged to use words from the word bank.
Example: *Ibrahim is doing his homework when his pencil starts moving on its own. It begins to write the words...*
- **Picture composition:** Candidates will be given a picture and will be required to create a story.
- **Narrative essay:** Candidates will be required to write a story using the first-person perspective.
Example: *Write about the day you found a mysterious box in your garage.*

Language skills will be assessed based on the following:

- Sentence construction
- Coherence
- Use of vocabulary (nouns, verbs, adjectives)
- Spelling
- Application of basic grammar rules/ punctuation
- Writing in paragraphs

JUNIOR SCHOOL (continued)

FOR ADMISSION TO CLASS: Grade 3 or K-3 (Guide only)

اُردو نصاب برائے داخلہ کے سوم

وقت: ۶۰ منٹ

کل نمبر ۴۰

اُردو کے امتحان کے دو حصے ہوں گے۔ تفہیم اور تخلیقی لکھائی۔ ان سے طلباء کی اردو زبان و بیان میں مہارت کو جانچا جائے گا۔

تفہیم (۲۰) نمبر

طلباء کو ایک عبارت دی جائے گی۔ جس کے مطالعہ کے بعد طلباء مختلف سوالات کے جوابات تحریر کریں گے۔

یہ سوالات ۳۰ فی صد حقائق پر، ۴۰ فی صد اشاروں اور اندازہ لگانے یا موازنہ کرنے پر اور ۳۰ فی صد تجزیاتی، دلائل پر اور ذاتی رائے پر مبنی ہوں گے۔

حقائق پر مبنی سوالات (۳۰٪)	موازنہ کرنے، اندازہ لگانے اور عبارت میں سے اسم، فعل تلاش کرنے کے سوالات (۴۰٪)	تجزیاتی، دلائل پر مبنی اور ذاتی رائے پر مشتمل سوالات (۳۰٪)
* مثال	* مثال	* مثال
احمد نے کیا انعام حاصل کیا؟ سعدیہ نے پہاڑ پر چڑھ کر کیا دیکھا؟	احمد نے میٹھی سویاں کیوں کھائیں؟ سعدیہ کیا سوچ کر خالہ کے گھر نہیں گئی؟	آپ کے خیال میں احمد کو پہلا انعام حاصل کرنے کے لیے کیا کرنا چاہئے تھا؟ اگر آپ سعدیہ کی جگہ ہوتے تو کیا کرتے؟

* یہ مثالیں صرف حوالہ دینے کے لیے ہیں

تفہیم عبارت درج ذیل نکات پر مشتمل ہوگی۔

☆ سوالات کے جوابات ☆ معروضی سوالات ☆ الفاظ سازی اور الفاظ کی تشکیل ☆ اسم اور فعل پہچاننا

تخلیقی لکھائی (۲۰) نمبر

طلباء ۱۰۰ سے ۱۵۰ الفاظ پر مبنی ایک تحریر لکھیں گے۔ جیسے:

☆ کہانی کا آغاز دس ذخیرہ الفاظ کے ساتھ دیا جائے گا اور طلباء سے مکمل کریں گے۔

☆ طلباء کو ایک تصویر دی جائے گی جس کو وہ مناسب الفاظ کے استعمال کے ساتھ تفصیل سے بیان کریں گے۔

☆ تصویر کے واقعات جوڑ کر ایک کہانی لکھ سکیں گے۔

تخلیقی لکھائی درج ذیل نکات پر مشتمل ہوگی۔

☆ درست جملہ سازی ☆ مضمون / کہانی میں تسلسل ☆ الفاظ کا درست اور دلچسپ استعمال ☆ الما ☆ بنیادی قواعد اور رموز اور قاف کا استعمال

JUNIOR SCHOOL *(continued)*

FOR ADMISSION TO CLASS: Grade 4 or K-4 (**Guide only**)

MATHEMATICS (40 marks, 1 hour)

Note: Use of calculator is not allowed.

Questions will be based on some or all of the following topics:

1. Decimal numeration system	• Write numbers in words up to 9999. • Recognise place value up to 9999. • Compare and order numbers (ascending/descending). • Complete number sequences. • Identify odd and even numbers up to 9999.
2. Addition	• Add numbers up to 9999 (with and without exchange). • Use addition tables. • Solve word problems involving addition.
3. Subtraction	• Subtract numbers up to 9999 (with and without exchange). • Use subtraction tables. • Solve word problems and mixed addition–subtraction problems.
4. Multiplication	• Apply multiplication tables (2–12). • Multiply 2-, 3-, and 4-digit numbers by a 2-digit number. • Multiply numbers by 0, 10, 20 ... 100. • Solve word problems using multiplication.
5. Division	• Divide numbers with or without remainder (dividend up to 9999, divisor up to 12). • Understand the relationship between division and multiplication. • Solve word problems using division.
6. Common Fractions	• Understand numerator and denominator. • Identify like/unlike, proper/improper, and mixed fractions. • Compare, add, and subtract like fractions. • Derive and apply rules for operations with fractions.
7. Shapes and measures	• Identify 2-D shapes (open/closed) and congruency of regions (circular, rectangular, triangular, square). • Recognise 3-D shapes (sphere, cylinder, cone, cuboid, pyramid, triangular prism, cube) by faces, edges, and corners. • Understand geometry terms: ray, line, segment • Understand bilateral symmetry, linear measurement • Distinguish between flat and non-flat surfaces. • Measure length; understand congruency of segments/edges. • State types of angles.
8. Standard International(S.I.) Units	• Recall S.I. units for length (km, m, cm) and mass (kg, g, mg).
9. Money	• Identify and use coins and notes up to 9999. • Select and calculate correct amounts for buying and selling.
10. Calendar	• Find out leap years.
11. Graphs	• Interpret picture graphs.

12. Time	• Read 12-hour and 24-hour clocks.
13. Patterns	• Sort and classify objects by properties. • Order objects by size or number. • Identify, extend, and recognise patterns in objects or numbers.

JUNIOR SCHOOL *(continued)*

FOR ADMISSION TO CLASS: Grade 4 or K-4 (**Guide only**)

ENGLISH (40 marks, 1 hour)

The English Assessment will have two sections: Reading Comprehension and Creative Writing. Both these sections will assess students' English language proficiency.

Reading Comprehension (20 marks)

Candidates are expected to read the given passage and demonstrate their understanding by:

- Answering questions (30% factual, 40% conceptual, 30% inferential)
- Recognising nouns, verbs, adjectives & adverbs

Factual (30%)	Conceptual (40%)	Inferential (30%)
Questions that seek specific information that are found directly in the text requiring straightforward information in the text.	Questions that assess the underlying definition, purpose or function of something.	Questions that require readers to go beyond the text and make connections or draw conclusions based on evidence from the text.
*Examples	*Examples	*Examples
1. How did the villagers get clean water from the well? 2. Which book was lying open on the teacher's desk?	1. Which words or phrases help you understand the setting of the story? 2. Why do you think Peter was feeling worried? The answer will be in the passage e.g. The boy is worried because he cannot find his cat.	1. What do you think would have happened if the villagers had not shared the water from the well? 2. Why do you think the teacher left the book open on the desk?

** these examples are for reference only*

Creative Writing (20 marks)

Candidates will be required to write 150 -200 words on any one of the following:

- **Story Starter:** Candidates will be given a story starter along with a word bank of 10 words. They will be required to carry the story forward and encouraged to use words from the word bank.

Example: *Umar is about to open his math copy when the postman delivers a letter. He runs to the door and gasps when he finds out that...*

- **Persuasive Writing:** Candidates will be required to give a personal viewpoint on a topic, using reasons, evidence and beliefs to support their claims.

Example: *Should homework be optional?*

- **Narrative Essay:** Candidates will be required to write a story using the first-person perspective.

Example: *What made your best day ever so special?*

Language skills will be assessed based on the following:

- Sentence construction
- Coherence
- Use of vocabulary (nouns, verbs, adjectives)
- Spelling
- Application of basic grammar rules/ punctuation
- Writing in paragraphs

JUNIOR SCHOOL (continued)

FOR ADMISSION TO CLASS: Grade 4 or K-4 (Guide only)

اُردو نصاب برائے داخلہ کے چہارم

وقت: ایک گھنٹہ

کل نمبر ۴۰

اُردو کے امتحان کے دو حصے ہوں گے۔ تفہیم اور تخلیقی لکھائی۔ ان سے طلباء کی اردو زبان و بیان میں مہارت کو جانچا جائے گا۔

تفہیم (۲۰) نمبر

طلباء کو ایک عبارت دی جائے گی۔ جس کے مطالعہ کے بعد طلباء مختلف سوالات کے جوابات تحریر کریں گے۔

یہ سوالات ۳۰ فی صد حقائق پر، ۴۰ فی صد اندازہ اور موازنہ کرنے اور عبارت میں گرائمر کی پہچان اور ۳۰ فی صد تجزیاتی، دلائل پر اور ذاتی رائے پر مبنی ہونگے۔

حقائق پر مبنی سوالات (۳۰٪)	موازنہ کرنے، اندازہ لگانے اور عبارت میں سے اسم، فعل تلاش کرنے کے سوالات (۴۰٪)	تجزیاتی، دلائل پر مبنی اور ذاتی رائے پر مشتمل سوالات (۳۰٪)
*مثال	*مثال	*مثال
دھنک میں کتنے رنگ ہوتے ہیں؟ بارش کس وقت برسی؟	خوشگوار موسم کی کیا نشانی تھی؟ موسم سرما اور گرما کی خصوصیات بیان کیجیے۔	آپ کے خیال میں موسم سے کیسے پر لطف ہو سکتے ہیں؟ موسم سرما کے کیا فوائد ہیں؟

* یہ مثالیں صرف حوالہ دینے کے لیے ہیں

تفہیمی عبارت درج ذیل نکات پر مشتمل ہوگی۔

☆ سوالات کے جوابات ☆ معروضی سوالات ☆ متن میں موجود اشاروں اور معلومات کے لحاظ سے اندازہ لگانے والے اور نتیجہ نکالنے والے سوالات ☆ اسم معرفہ اور نکرہ، صفت اور موصوف اور فعل پہچاننا

تخلیقی لکھائی (۲۰) نمبر

طلباء ۱۰ سے ۱۵ الفاظ پر مبنی ایک تحریر لکھیں گے۔ جیسے:

☆ کہانی کا آغاز، دس ذخیرہ الفاظ کے ساتھ دیا جائے گا اور طلباء سے مکمل کریں گے۔

☆ کہانی کے آغاز کو آگے بڑھا کر مکمل کریں گے۔

☆ رائے پر مبنی مضمون لکھیں گے۔

☆ بیانیہ پر مضمون لکھیں گے۔

تخلیقی لکھائی درج ذیل نکات پر مشتمل ہوگی۔

☆ درست جملہ سازی ☆ تحری / کہانی میں تسلسل ☆ الفاظ کا درست اور دلچسپ استعمال ☆ الما ☆ بنیادی قواعد اور رموز و قاف کا استعمال ☆ پیرا گراف میں لکھنا

JUNIOR SCHOOL *(continued)*

FOR ADMISSION TO CLASS: Grade 5 or K-5 (**Guide only**)

MATHEMATICS (40 marks, 1 hour)

Note: Use of calculator is not allowed.

Questions will be based on some or all of the following topics:

1. Decimal numeration system	• Find place value in numbers up to 7 digits. • Read and write numbers in words and figures (5–7 digits). • Order numbers up to 1,000,000 (ascending/descending).
2. Mathematical operations	• Add and subtract whole numbers up to 7 digits. • Multiply whole numbers (up to 5-digit $\times$ 2-digit). • Divide whole numbers (dividend up to 999,999 $\div$ divisor up to 2 digits). • Solve word problems using the four operations. • Understand the distributive property of multiplication.
3. Shapes and measures	• Recognise tetrahedral and square pyramidal 3-D shapes (faces, edges, corners, base, apex). • Identify regions, boundaries, and interiors of 2-D shapes (triangle, quadrilateral). • Understand, measure, and classify angles (acute, obtuse, right, straight, reflex). • Identify congruent angles. • Work with triangles (find missing angle when two are given). • Know properties of quadrilaterals.
4. Fractions	• Simplify fractions and find equivalent fractions. • Convert between improper and mixed fractions.
5. Operations on common fractions	• Add and subtract like/unlike fractions and mixed fractions. • Multiply two and three common fractions. • Divide common fractions. • Solve word problems on addition and subtraction of fractions. • Understand tenths, hundredths, thousandths. • Read, write, and compare decimals up to 3 decimal places. • Add and subtract decimal fractions.
6. Compound quantities	• Convert, add, and subtract currency. • Convert, add, and subtract lengths (m and cm only).
7. Area and perimeter	• Find perimeters of triangles (m and cm only). • Solve perimeter word problems. • Understand area and its units (cm^2, m^2, km^2). • Calculate area of rectangles and squares using formula. • Solve area word problems.
8. Volume	• Understand volume and its units (m^3). • Calculate volume of cube and cuboid using formula. • Solve word problems on volume.
9. Graphs	• Interpret graphs (e.g dot graphs, line graphs, and bar graphs)

10. Time	• Read and interpret 12-hour and 24-hour clocks.
11. Money	• Recognise and use coins and notes up to 9999. • Select correct amounts for buying and selling.
12. Percentages	• Find percentage of whole numbers. • Convert percentages to fractions and vice versa.
13. Patterns	• Sort and classify objects by properties. • Order objects by size or number. • Identify, extend, and recognise patterns in objects or numbers.

JUNIOR SCHOOL *(continued)*

FOR ADMISSION TO CLASS: Grade 5 or K-5 **(Guide only)**

ENGLISH (40 marks, 1 hour)

The English Assessment will have two sections: Reading Comprehension and Creative Writing. Both these sections will assess students' English language proficiency.

Reading Comprehension (20 marks)

Candidates are expected to read the given passage and demonstrate their understanding by:

- Answering questions (30% factual, 40% conceptual, 30% inferential)
- Recognising noun phrases, verb phrases, adjectives & adverbial phrases
- Locating literary devices e.g. similes, metaphors & idioms

Factual (30%)	Conceptual (40%)	Inferential (30%)
Questions that seek specific information that are found directly in the text requiring straightforward information in the text.	Questions that assess the underlying definition, purpose or function of something.	Questions that require readers to go beyond the text and make connections or draw conclusions based on evidence from the text.
*Examples	*Examples	*Examples
1. What was the main reason the explorers traveled to the island? 2. Which three items did Fatima pack in her bag before leaving home?	1. How does the author help us understand the dangers of the journey? 2. Why was it important for Fatima to carry those three items in her bag?	1. Why do you think the explorers were determined to reach the island, even though it was dangerous? 2. What might have happened if Fatima forgot to pack one of the items in her bag?

** these examples are for reference only*

Creative Writing (20 marks)

Candidates will be required to write 200-250 words on any one of the following:

- **Story prompts:** Candidates will be given a story starter along with a word bank of 10 words. They will be required to carry the story forward and encouraged to use words from the word bank.
Example: *Hamza wakes up in the middle of the night to the sound of whispering. He follows the voice and finds it coming from inside his cupboard. When he opens the door, he sees...*
- **Persuasive Writing:** Candidates will be required to give a personal viewpoint on a topic, using reasons, evidence and beliefs to support their claims.

Example: *Should students receive pocket money from their parents? Why or why not?*

- **Narrative essay:** Candidates will be required to write a story using the first-person perspective.

Example: *Write a story about a day when everything that could possibly go wrong, does?*

Language skills will be assessed based on the following:

- Sentence construction
- Coherence
- Use of vocabulary (nouns, verbs, adjectives)
- Spelling
- Application of basic grammar rules/ punctuation
- Writing in paragraphs

JUNIOR SCHOOL (continued)

FOR ADMISSION TO CLASS: Grade 5 or K-5 (Guide only)

اُردو نصاب برائے داخلہ کے پنجم

وقت: ایک گھنٹہ

کل نمبر ۴۰

اُردو کے امتحان کے دو حصے ہوں گے۔ تفہیم اور تخلیقی لکھائی۔ ان سے طلباء کی اردو زبان و بیان میں مہارت کو جانچا جائے گا۔

تفہیم (۲۰) نمبر

طلباء کو ایک عبارت دی جائے گی۔ جس کے مطالعہ کے بعد طلباء مختلف سوالات کے جوابات تحریر کریں گے۔

یہ سوالات ۳۰ فی صد حقائق پر، ۴۰ فی صد اندازہ اور موازنہ کرنے اور عبارت میں قواعد (گرامر) کی پہچان اور ۳۰ فی صد تجرباتی، دلائل پر اور ذاتی رائے پر مبنی ہوں گے۔

حقائق پر مبنی سوالات (۳۰٪)	موازنہ کرنے، اندازہ لگانے اور عبارت میں سے اسم، فعل تلاش کرنے کے سوالات (۴۰٪)	تجرباتی، دلائل پر مبنی اور ذاتی رائے پر مشتمل سوالات (۳۰٪)
* مثال	* مثال	* مثال
امریکہ کس نے دریافت کیا؟ امریکہ کب آزاد ہوا؟	پاکستان میں بسنے والے لوگوں میں موجود خصوصیات بیان کریں۔ مشرقی اور مغربی معاشرے میں کیا فرق ہے؟	آپ کے خیال میں ہمیں ترقی کرنے کے لیے کیا کرنا چاہیے؟ لوگ ملک سے باہر کیوں جاتے ہیں؟

* یہ مثالیں صرف حوالہ دینے کے لیے ہیں

تفہیم عبارت درج ذیل نکات پر مشتمل ہوگی۔

☆ سوالات کے جوابات ☆ معروضی سوالات ☆ متن میں موجود اشاروں اور معلومات کے لحاظ سے اندازہ لگانے والے اور نتیجہ نکالنے والے سوالات ☆ اسم معرفہ اور نکرہ، صفت اور موصوف اور فعل کی اقسام پہچاننا

تخلیقی لکھائی (۲۰) نمبر

طلباء ۱۵۰ سے ۱۷۵ الفاظ پر مبنی ایک تحریر لکھیں گے۔ جیسے:

☆ رائے پر مبنی مضمون لکھیں گے۔

☆ بیانیہ مضمون لکھیں گے۔

☆ آپ بیتی کو مفصل اور منفرد ذخیرہ الفاظ کے استعمال کے ساتھ لکھیں گے۔

تخلیقی لکھائی درج ذیل نکات پر مشتمل ہوگی۔

☆ درست جملہ سازی ☆ تحریر / کہانی میں تسلسل ☆ الفاظ کا درست اور دلچسپ استعمال ☆ الما ☆ بنیادی قواعد اور رموز اور قاف کا استعمال ☆ پیرا گراف میں لکھنا

JUNIOR SCHOOL *(continued)*

FOR ADMISSION TO CLASS: Grade 6 or K-6 (**Guide only**)

MATHEMATICS (40 marks, 1 hour)

Note: Use of calculator is not allowed.

Questions will be based on some or all of the following topics:

1. Sets	• Concepts of a set and its members • Notation (two forms) • Finite and infinite sets • Singleton and empty sets • Cardinality of a set • Subsets
2. Whole Number System	• Place value of numbers up to 7 digits • Ordering, comparing, rounding numbers • Concept of directed numbers. To show numbers on rays and lines. Opposite integers. Addition of integers on a line • Multiplication: one of the numbers is a 3-digit number and the other is a 5-digit number • Division: One of the numbers is a 3 digit and the other is a 6-digit number • Emphasis on Word Problems which will be selected from various sources • Multiples and Factors, Odd and Even numbers, Prime numbers, Sequences, Divisibility Rules
3. Rational Numbers (Common & Decimal Fractions)	• Conversion of Common Fractions to Decimal Fractions and vice versa up to 3 decimal places • Addition, Subtraction, Multiplication and division of Decimal Fractions and Common Fractions. • Rounding off Decimal Fractions (up to three decimal places) • Use of brackets involving Whole Numbers and Decimal Fractions (two brackets in a problem) • Word Problems • Simplification of Common Fractions, Equivalent Fractions • Simplifying expressions involving three brackets (emphasis on problems involving Whole Numbers and Decimal Fractions)
4. Percentages	• Percentage of whole numbers • Conversion of % into Common Fractions and vice versa • Conversion of % into Decimal Fractions and vice versa • Common Fraction Form, Decimal Fraction Form and Percent Form of a Rational Number and their inter-links (simple cases) • Direct and simple word problems

5. Shapes & Measures	• Polygons, 2D and 3D shapes, Prisms, Pyramids, Polyhedra, Nets of 3D shapes. • Types of quadrilaterals: (i) Scalene (ii) Trapezium (iii) Parallelogram (iv) Rhombus (v) Rectangle (vi) Square (vii) European Kite • Working with length. • Transformation: Translation, Reflection, Rotation. • Measurement of straight lines
6. Unknown Angles	• Sum of measure of the angles on a straight line and at a point • Construction and measurement of angles with the help of a protractor • Sum of measures of interior angles of a triangle • Sum of measures of interior angles of a quadrilateral • Finding measure of an unknown interior angle of a quadrilateral
7. Area & Perimeter	• S.I. units of area and their conversions • Area of square, rectangle and irregular shapes (using square grid). • Finding perimeters of quadrilateral regions, regular and irregular polygons. • Word problems on area and perimeter • Mass and capacity • Volume of cubes and cuboids
8. Time	• Understanding the use 24 hour and 12 hour clocks • Word problems involving days, hours, minutes and seconds • Timetables, Calendars.
9. Data Handling	• Line Graph, Pie Chart, Bar Graph • Average: (Mean, Median, Mode) • Probability • Venn diagram • Ratio and Proportion

JUNIOR SCHOOL *(continued)*

FOR ADMISSION TO CLASS: Grade 6 or K-6 **(Guide only)**

ENGLISH (40 marks, 1 hour)

The English Assessment will have two sections: Reading Comprehension and Creative Writing. Both these sections will assess students' English language proficiency.

Reading Comprehension (20 marks)

Candidates are expected to read the given passage and demonstrate their understanding by:

- Answering questions (30% factual, 40% conceptual, 30% inferential)
- Recognising noun phrases, verb phrases, adjectives & adverbial phrases
- Locating literary devices e.g. similes, metaphors & idioms

Factual (30%)	Conceptual (40%)	Inferential (30%)
Questions that seek specific information that are found directly in the text requiring straightforward information in the text.	Questions that assess the underlying definition, purpose or function of something.	Questions that require readers to go beyond the text and make connections or draw conclusions based on evidence from the text.
*Examples	*Examples	*Examples
1. Which invention helped the villagers communicate with other towns? 2. Where did the travelers finally set up their camp after the storm?	1. Which lines in the text show how the villagers depended on the new invention? 2. How does the writer describe the river to make readers imagine the flood?	1. Why do you think the villagers relied so heavily on the new invention for communication? 2. What might have happened if the river had not flooded during the rainy season?

** these examples are for reference only*

Creative Writing (20 marks)

Candidates will be required to write 250-300 words on any one of the following:

- **Story prompts:** Candidates will be given a story starter along with a word bank of 10 words. They will be required to carry the story forward and encouraged to use words from the word bank.
Example: *Bilal had the biggest surprise of his life when his cat...*
- **Persuasive Writing:** Candidates will be required to give a personal viewpoint on a topic, using reasons, evidence and beliefs to support their claims.
Example: *Should students be allowed to take mobile phones to school? Why or why not?*
- **Narrative essay:** Candidates will be required to write a story using the first-person perspective.
Example: *Write a story about a day when there was so much traffic that you missed your turn at the debate competition.*

Language skills will be assessed based on the following:

- Sentence construction
- Coherence
- Use of vocabulary (nouns, verbs, adjectives)
- Spelling
- Application of basic grammar rules/ punctuation
- Writing in paragraphs

JUNIOR SCHOOL (continued)

FOR ADMISSION TO CLASS: Grade 6 or K-6 (Guide only)

اُردو نصاب برائے داخلہ کے ششم

وقت: ایک گھنٹہ دس منٹ

کل نمبر: ۴۰

اُردو کے امتحان کے دو حصے ہوں گے۔ تفہیم اور تخلیقی لکھائی۔ ان سے طلباء کی اردو زبان و بیان میں مہارت کو جانچا جائے گا۔

تفہیم (۲۰) نمبر

طلباء کو ایک عبارت دی جائے گی۔ جس کے مطالعہ کے بعد طلباء مختلف سوالات کے جوابات تحریر کریں گے۔

یہ سوالات ۳۰ فی صد حقائق پر، ۴۰ فی صد اندازہ اور موازنہ کرنے اور عبارت میں اُردو قواعد (گرامر) کی پہچان اور ۳۰ فی صد تجرباتی، دلائل پر اور ذاتی رائے پر مبنی ہوں گے۔

حقائق پر مبنی سوالات (۳۰٪)	موازنہ کرنے، اندازہ لگانے اور عبارت میں سے اسم، فعل تلاش کرنے کے سوالات (۴۰٪)	تجرباتی، دلائل پر مبنی اور ذاتی رائے پر مشتمل سوالات (۳۰٪)
* مثال	* مثال	* مثال
کون سا شہر پنجاب کا دارالحکومت ہے؟ لاہور میں کون سا دریا بہتا ہے؟	سندھ اور پنجاب کے صوبوں میں کیا مماثلت ہے؟ صوبہ خیبر پختونخواہ کے علاقے میں گوشت کی غذا کیوں زیادہ استعمال کی جاتی ہے؟	آپ کے خیال میں ہمیں صحت مندرہنے کے لئے کیا کرنا چاہئے؟ ہم کو اپنے شہر کی بہتری کے لئے کیا کرنا چاہئے؟

* یہ مثالیں صرف حوالہ دینے کے لیے ہیں

تفہیمی عبارت درج ذیل نکات پر مشتمل ہوگی۔

☆ سوالات کے جوابات ☆ معروضی سوالات ☆ متن میں موجود اشاروں اور معلومات کے لحاظ سے اندازہ لگانے والے اور نتیجہ نکالنے والے سوالات ☆ اسم معرفہ اور نکرہ، صفت اور موصوف اور فعل کی اقسام پہچانا

تخلیقی لکھائی (۲۰) نمبر

طلباء ۲۰۰ سے ۱۷۵ الفاظ پر مبنی ایک تحریر لکھیں گے۔ جیسے:

☆ بیانیہ مضمون لکھیں گے۔

☆ رائے پر مبنی مضمون لکھیں گے۔

☆ آپ بیتی کو مفصل اور منفرد ذخیرہ الفاظ کے استعمال کے ساتھ لکھیں گے۔

تخلیقی لکھائی درج ذیل نکات پر مشتمل ہوگی۔

☆ درست جملہ سازی ☆ الفاظ کا درست اور خوبصورت استعمال ☆ املا درست ہونا ☆ بنیادی قواعد اور رموز و قاف کا استعمال ☆ کہانی، مضمون میں ربط / خیالات کا تسلسل

☆ پیرا گراف میں لکھنا

PREPARATORY SCHOOL

FOR ADMISSION TO CLASS: Grade 7 or E-2 (**Guide only**)

ENGLISH

Time: 1 Hour 15 min.

- Essay Writing/Short Story Imaginative Piece (Max 300 Words)
- Comprehension (unseen passage)

MATHEMATICS

Time: 1 Hour 30 min.

Note: Use of calculator is allowed.

Questions will be based on some or all of the following topics:

SETS

- Concepts of a set and its members
- Definition of a set and its types
- Definition of cardinality, finite and infinite sets
- Definition of a singleton, empty and subset
- Union and Intersection of sets

REAL NUMBER SYSTEM (INTEGERS)

- Sets of natural numbers, whole numbers and integers
- Even, odd, prime and composite integers

FACTORS AND MULTIPLES

- G.C.D. and L.C.M. of three numbers by prime factorisation method
- G.C.D. of two and three numbers by division method
- Link between G.C.D. and L.C.M.
- Word Problems

BODMAS/THE FOUR OPERATIONS

- Simplifying expressions involving two brackets
- Simplifying expressions involving three brackets (emphasis on problems involving common fractions)

BASICS OF ALGEBRA

- Introduction to *Algebraic Expression*
- Concept of *Coefficient*, variable and constant
- Concept of *Exponent* and *Base*
- Writing a natural number in exponential form
- Arranging a polynomial in ascending and descending order. First and second degree polynomials in one variable (Monomial, Binomial and Trinomial)
- Addition and Subtraction of monomials, binomials, and trinomials of first and second degree
- Multiplying and dividing one and two degree polynomials by a monomial

ALGEBRAIC SENTENCES

- Definition of expression, algebraic sentence, open sentences, equations and inequations

SOLUTION OF LINEAR EQUATION

- Solution of linear equations in one variable

SQUARE AND SQUARE ROOTS

- Finding squares of integers
- Finding square roots of perfect square numbers by prime factorisation method or by division method

PERCENTAGES

- Expressing a given quantity as a percentage of the other
- Percentage increase or decrease in a given quantity
- Word problem about percentage increase or percentage decrease

POLYGONS

- Introduction of plane, flat and curved surfaces
- Definition of a polygon, vertex, side and diagonal of a polygon
- Types of polygons (triangle, quadrilateral, pentagon, hexagon, heptagon, octagon) Introduction of regular and irregular polygons
- Definition of reflex angle
- Definitions of concave and convex polygons
- Drawing of convex polygons (pentagon, hexagon and octagon)
- Number of diagonals in 4-sided to 8-sided polygons
- Identification of exterior and interior angles of a polygon
- Find the measure of interior angles of a regular polygon and the sum of measures of all interior angles of a regular 3-sided to 8-sided polygon

AREA AND PERIMETER

- Finding perimeter of a semi-circular and quarter-circular region
- Finding area and perimeter of a triangular region
- Finding area and perimeter of shapes consisting of a combination of circular, semi-circular, triangular and square regions

LINES AND ANGLES

- Definition of parallel lines, rays and segments
- Identification of adjacent, alternate, corresponding, interior, vertically opposite, complementary and supplementary angles
- Finding measure of unknown angles at a point and on a straight line. Finding measure of unknown angles of a triangle

GEOMETRICAL CONSTRUCTION

- Construction of angles of measure 75° , 105° , 120° , 135° and 150° with a pair of compasses
- Construction of triangle (all types)

INFORMATION HANDLING

- Introduction of different types of graphs (pie chart, bar graph, etc.)
- Interpretation of bar graph and pie chart
- Interpretation of pie chart and construction of bar graph

PREPARATORY SCHOOL (continued)

FOR ADMISSION TO CLASS: Grade 7 or E-2 (Guide only)

URDU

داخلہ امتحان برائے جماعت ای ٹو (گریڈ 7)

اردو

وقت: 1 گھنٹہ 15 منٹ

1۔ مضمون (الفاظ کی تعداد 250)

2۔ تفہیم (دی گئی عبارت کو پڑھ کر سوالات کے جوابات لکھنا)

3۔ تفہیم کی عبارت سے لیے گئے کچھ الفاظ کے معانی لکھنا

4۔ تفہیم کی عبارت سے لیے گئے کچھ الفاظ کے جملے بنانا

PREPARATORY SCHOOL *(continued)*

FOR ADMISSION TO CLASS: Grade 8 or M-1 **(Guide only)**

ENGLISH

Time: 1 Hour 15 min.

- Essay Writing/Short Story (Max. 400 Words)
- Comprehension (unseen Passage)

MATHEMATICS

Time: 1 Hour 30 min.

Note: Use of calculator is allowed.

Questions will be based on some or all of the following topics:

REAL NUMBER SYSTEM (RELATIONAL NUMBERS)

- Multiplication and division of integers
- Introduction of rational and the set of rational numbers
- Addition and subtraction of rational numbers
- Multiplication and division of rational numbers. (emphasis on problems involving negative common and decimal fractions)

BODMAS

- Simplifying expressions involving three brackets (problems involving negative, common and decimal fractions)

CUBE ROOT AND SQUARE ROOT

- Finding cube root of perfect cube numbers by prime factorisation method
- Finding square root of a rational number by prime factorisation method and by division method

ALGEBRAIC EXPRESSIONS

- Introduction of expressions of third and fourth degree in one variable
- Introduction of expressions of first and second degree in two variables
- Addition and subtraction of polynomials in one and two variables of first and second degrees (involving one pair of brackets)
- Multiplication of linear and quadratic polynomials in one variable
- Division of trinomials by binomial and monomial
- Simplification of linear and quadratic polynomials in one variable involving one or two brackets
- Evaluation of monomials and binomials in one variable up to second degree
- Evaluation of monomials and binomials in two variables up to second degree
- Evaluation of polynomials in one variable up to third degree

FACTORISATION OF ALGEBRAIC EXPRESSIONS

- Factorisation of algebraic expressions (involving common factors only)

SOLUTION OF LINEAR EQUATIONS

- Solution of linear equations in one variable
- Word problems

RATIO AND PROPORTION

- Introduction of Ratio and Equivalent Ratios
- Increase and Decrease in Ratios
- Rate and Proportional Parts

DIRECT AND INVERSE PROPORTION

- Word Problems

PERCENTAGE

- Percentage Change, Percentage Profit, Percentage Loss

FINDING SELLING PRICE AND COST PRICE

- Word problems

SIMPLE INTEREST

- Finding Simple Interest, Amount, Rate and Time, using $I = \frac{PRT}{100}$ and finding *Principal* when amount is given.

MENSURATION

- Area and perimeter of shaded regions consisting of circular, semi-circular, triangular, rectangular and square regions
- Finding volume of a solid cylinder, cube and cuboid
- Finding surface area of a cube, cuboid and closed cylinder

ANGLES

- Finding unknown angles on a line and at a point
- Finding unknown angles produced by parallel lines and a transversal (corresponding angles, alternate angles, interior angles)
- Finding unknown angles of triangles and quadrilaterals

SIMULTANEOUS LINEAR EQUATIONS

- Solution of simultaneous linear equation involving two variables

GEOMETRICAL CONSTRUCTION

- Construction of triangles (SSS, SAS, SAA and right angled triangle)
- Construction of quadrilaterals (square, rhombus, rectangle and parallelogram)

INTERIOR & EXTERIOR ANGLES OF A POLYGON

- Finding an interior angle of a regular polygon
- Use of formula for finding the sum of the measure of interior and exterior angles of a polygon
- Finding sum of the measure of interior angles of a pentagon, hexagon, heptagon and octagon

PREPARATORY SCHOOL (continued)

FOR ADMISSION TO CLASS: Grade 8 or M-1 (**Guide only**)

URDU

داخلہ امتحان برائے جماعت ایم ون (گریڈ 8)

اردو

وقت: 1 گھنٹہ 15 منٹ

1۔ مضمون (الفاظ کی تعداد 300)

2۔ تفہیم (دی گئی عبارت کو پڑھ کر سوالات کے جوابات لکھنا)

3۔ تفہیم کی عبارت سے لیے گئے کچھ الفاظ کے معانی لکھنا

4۔ تفہیم کی عبارت سے لیے گئے کچھ الفاظ کے جملے بنانا

FOR ADMISSION TO CLASS: Grade 9 or M-2 (**Guide only**)

ENGLISH

Time: 1 Hour 30 min.

1. Essay Writing/Short Story Imaginative Piece (Max 500 Words)
2. Comprehension (unseen passage)

MATHEMATICS

Time: 1 Hour 30 min.

Note: Use of calculator is allowed.

Questions will be based on some or all of the following topics:

1. Numbers and Operations
2. Square Roots (Prime Factorization & Division Method) and Cube Roots
3. Estimation & Approximation
4. Indices
5. Algebraic Manipulation (Addition, Subtraction, Multiplication, Division, Simplification, Evaluation of Expressions and change of subject of formula)
6. Algebraic Factorisation
7. Solution of Linear Equations and Problem solving using Linear Equations
8. Mean, Median, Mode and Range of Grouped and Ungrouped Data
9. Ratio and Proportion
10. Percentage
11. Mensuration
12. Angle properties of Polygons and Parallel lines
13. Geometrical Construction (Angles, triangles, quadrilaterals) Regular polygons (Pentagon, Hexagon, Heptagon, Octagon)
14. Simultaneous Linear Equations & word problems

داخلہ امتحان برائے جماعت ایم ٹو (گریڈ 9)

اردو

وقت: 1 گھنٹہ 15 منٹ

1۔ مضمون (الفاظ کی تعداد 350)

2۔ تفہیم (دی گئی عبارت کو پڑھ کر سوالات کے جوابات لکھنا)

3۔ تفہیم کی عبارت سے لیے گئے کچھ الفاظ کے معانی لکھنا

4۔ تفہیم کی عبارت سے لیے گئے کچھ الفاظ کے جملے بنانا