



## قسم المواد العربیة

### الكفایات المطلوبة لاجتياز امتحانات القبول في مادة اللغة العربیة

#### الصف السّابع

. القراءة :

- . أن تميّز الطّالبة بين أنماط النّصوص وفنونها: مغامرة/قصة/حكاية/سيرة ذاتیة/سيرة غیریة/وصف/رسالة
- . أن تستخرج الطّالبة أفكار النّص الرئیسة والفرعیة.
- . أن توظّف الطّالبة خبراتها في بناء معاني النّص بالإجابة عمّا یطلب منها.

. القواعد :

- . أن تميّز الطّالبة بين عناصر الجملة الاسمیة الأساسیة وبين عناصر الجملة الفعلیة الأساسیة.
- . أن تميّز بين الفعل الصّحیح والفعل المعتلّ وأن تصنّف أنواع كلّ منهما.
- . أن تعرب الفعل والاسم والحرف في كلّ مواضعها في الجمل.
- . أن تصرّف أنواعا من الأفعال في صیغة الماضي والمضارع المنصوب أو المضارع المجزوم أو فعل الأمر.
- . أن تعرب الطّالبة الجملة الفعلیة.

. أن تصوغ الطّالبة جملا فعلیة تامّة المعنى وجملا اسمیة تامّة المعنى.

. أن تميّز الطّالبة بين عناصر الجملة الاسمیة المسبوقة بكان وأخواتها/ إنّ وأخواتها.

. الإنتاج الكتابي:

- . أن تكتب قصة قصيرة، أو مغامرة، أو رسالة إخوانیة من خلال موضوع مطروح.
- . أن تراعي التدرّج المطلوب في النمط السردی من البداية، إلى الأزمة، إلى التّهایة.
- . أن تلتزم بعناصر السرد المطلوبة في النمط القصصی (المكان، الزّمان، الشّخصیّات، الأحداث)
- . أن تلتزم بأركان الرّسالة الاخوانیة: تاريخ/مكان/صیغة التوجه/المواضيع المتنوّعة/عبارة الختام/ التوقيع
- . أن تكتب نصّها بلغة عربیة فصیحة.
- . أن تراعي في إنتاجها سلامة قواعد اللّغة نحوا وصرفا ورسمًا إملائيًا.
- . أن تستعمل علامات الوقف المناسبة.
- . أن تلتزم بوضوح الخطّ ونظافة ورقة الاختبار.

تمنياتنا لك بالتوفيق



# ENGLISH REQUIREMENTS FOR GRADE 7 ENTRY

The English Entrance Exam will consist of:

## **Reading**

A passage will be given to students to read and they will need to answer related questions.

Students will also be expected to be able to identify different aspects of grammar from the given passage and this will include the following:

- Punctuation
- Parts of speech (nouns, verbs, adjectives, adverbs, articles, prepositions and conjunctions)
- Tenses
- Sentence Structure
- Direct and reported speech
- Synonyms and antonyms
- Homophones and homonyms

## **Writing**

Students are set a writing task and they will need to answer using one of the following styles:

- Writing to inform
- Writing to describe
- Writing to explain
- Writing to narrate
- Writing to persuade
- Writing to advise

Students are expected to write an essay that has a clear introduction, body and conclusion.



# MATHEMATICS REQUIREMENTS for GRADE 7 Entry

## ARITHMETIC PLACE VALUE

- Round whole numbers to the nearest 10, 100 or 1000 and decimals, including measurements, to the nearest whole number or one decimal place.
- Interpret decimal notation and place value
- Order decimals
- Solve word problems involving whole numbers, percentages, decimals, money or measures: choose operations and mental or written methods appropriate to the numbers and context, including problems with more than one step.

## GRAPHS

- Read and plot coordinates of points determined by geometric information in all four quadrants.
- Recognize negative numbers as positions on a number line, and order, add and subtract positive and negative integers in context.

## ARITHMETIC ADD AND SUBTRACT DECIMALS

- Add and subtract integers and decimals, including numbers with different numbers of decimal places.
- Solve word problems involving whole numbers, percentages, decimals, money or measures: choose operations and mental or written methods appropriate to the numbers and context, including problems with more than one step.

## ANGLES

- Use the notation and labelling conventions for points, lines, angles and shapes.
- measure acute, obtuse and reflex angles to the nearest degree.
- Start to recognise the angular connections between parallel lines, perpendicular lines and transversals.
- Calculate the sum of angles at a point, on a straight line and in a triangle, and prove that vertically opposite angles are equal.
- Solve simple geometrical problems by using side and angle properties to identify equal lengths or calculate unknown angles, and explain reasoning.
- Use a ruler and compasses to construct triangles given; 2 sides and an angle (SAS), 3 sides (SSS), 2 angles and a side (ASA).

## ARITHMETIC MULTIPLICATION OF WHOLE NUMBERS AND DECIMALS

- Use known facts and place value to multiply and divide two-digit numbers by a single-digit number, e.g.  $45 \times 6$ ,  $96 \div 6$ .
- Multiply and divide decimals with one and/or two places by single digit numbers, e.g.  $13.7 \times 8$ ,  $4.35 \div 5$ .
- Use known facts and place value to multiply simple decimals by one-digit numbers, e.g.  $0.8 \times 6$ .
- Multiply and divide integers and decimals by decimals such as 0.6 or 0.06, understanding where to place the decimal point by considering equivalent calculations, e.g.  $4.37 \times 0.3 = (4.37 \times 3) \div 10$ ,  $92.4 \div 0.06 = (92.4 \times 100) \div 6$ .

## NUMBER PATTERNS AND SEQUENCES

- Generate terms of an integer sequence and find a term given its position in the sequence; find simple term-to-term rules.

### **ARITHMETIC DIVISION OF WHOLE NUMBERS AND SEQUENCES**

- Multiply and divide decimals with one and/or two places by single digit numbers, e.g.  $13.7 \times 8$ ,  $4.35 \div 5$ .
- Know that in any division where the dividend is not a multiple of the divisor there will be a remainder, e.g.  $157 \div 25 = 6$  remainder 7. The remainder can be expressed as a fraction of the divisor, e.g.  $157 \div 25 = 6 \frac{7}{25}$ .
- Know when to round up or down after division when the context requires a whole-number answer.
- Solve word problems involving whole numbers, percentages, decimals, money or measures: choose operations and mental or written methods appropriate to the numbers and context, including problems with more than one step.

### **AREA AND PERIMETER**

- Derive and use formulae for the area and perimeter of a rectangle; calculate the perimeter and area of compound shapes made from rectangles.

### **ARITHMETIC FRACTIONS**

- Compare two fractions by using diagrams, or by using a calculator to convert the fractions to decimals.
- Order fractions by writing with common denominators or dividing and converting to decimals.
- Simplify fractions by cancelling common factors and identify equivalent fractions; change an improper fraction to a mixed number, and vice versa; convert terminating decimals to fractions.
- Calculate simple fractions and percentages of quantities, e.g. one quarter of 64, 20% of 50 kg.

### **DATA COLLECTION AND PRESENTING**

- Decide which data would be relevant to an enquiry and collect and organise the data.
- Draw and interpret:
  - bar charts
  - simple pie charts
  - pictograms
- Know the difference between discrete and continuous data.
- Decide which data would be relevant to an enquiry and collect and organise the data.
- Draw and interpret:
  - bar charts
  - simple pie charts
  - pictograms

### **ARITHMETIC**

- Interpret decimal notation and place value; multiply and divide whole numbers and decimals by 10, 100 or 1000.
- Add and subtract integers and decimals, including numbers with different numbers of decimal places.
- Solve word problems involving whole numbers, percentages, decimals, money or measures: choose operations and mental or written methods appropriate to the numbers and context, including problems with more than one step.

### **SEARCHING FOR PATTERNS**

- Generate sequences from spatial patterns and describe the general term in simple cases.

### **TIME, TIMETABLES AND MILEAGE CHARTS**

- Know the relationships between units of time; understand and use the 12-hour and 24-hour clock systems; interpret timetables; calculate time intervals.
- Derive and use simple formulae, e.g. to change hours to minutes.

## **ARITHMETIC NEGATIVE NUMBERS**

- Add, subtract, multiply and divide integers.

## **ALGEBRA**

- Simplify linear expressions, e.g. collect like terms
- Use letters to represent unknown numbers or variables; know the meanings of the words *term*, *expression* and *equation*.
- Know that algebraic operations follow the same order as arithmetic operations.
- Substitute positive integers into simple linear expressions/formulae.
- Construct and solve simple linear equations with integer coefficients (unknown on one side only), e.g.  $2x = 8$ ,  $3x + 5 = 14$ ,  $9 - 2x = 7$ .
- Manipulate numbers, algebraic expressions and equations, and apply routine algorithms.

## **ARITHMETIC DECIMALS AND FRACTIONS**

- Understand percentage as the number of parts in every 100; use fractions and percentages to describe parts of shapes, quantities and measures.
- Recognise the equivalence of simple fractions, decimals and percentages.
- Calculate simple percentages of quantities (whole number answers) and express a smaller quantity as a fraction or percentage of a larger one.
- Calculate simple fractions and percentages of quantities, e.g. one quarter of 64, 20% of 50 kg.
- Solve word problems involving whole numbers, percentages, decimals, money or measures: choose operations and mental or written methods appropriate to the numbers and context, including problems with more than one step.

## **DISCRETE AND QUANTITATIVE DATA**

- Find the mode (or modal class for grouped data), median and range.
- Calculate the mean, including from a simple frequency table.
- Compare two simple distributions using the range and the mode, median or mean.

## **SCALE DRAWING**

- Interpret and make simple scale drawings.

## **ARITHMETIC FRACTIONS**

- Add and subtract two simple fractions; find fractions of quantities (whole number answers); multiply a fraction by an integer.

## **PROBABILITY**

- Use the language of probability to describe and interpret results involving likelihood and chance.
- Understand and use the probability scale from 0 to 1.
- Find probabilities based on equally likely outcomes in simple contexts.
- Identify all the possible mutually exclusive outcomes of a single event.
- Use experimental data to estimate probabilities.
- Compare experimental and theoretical probabilities in simple contexts.

## **VOLUME**

- Derive and use the formula for the volume of a cuboid; calculate volumes of cuboids.