SIDDEEQ PUBLIC SCHOOL

ENTRY TEST ... **48**	**ENGLISH**	ADMISSION to GRADE: **7**

Checked by (Service # & Initials)	Rechecked by (Service # & Initials)	Max. Marks	Marks Secured
		20	

Vocabulary

Q.1 (A) Encircle the Correct Spellings.   (0.5x2)
- techneque   /   technique   /   technikue   /   tachnique
- permanent   /   perminent   /   permenent   /   parmanent

(B) Provide Meanings of the following Words either in English or in Urdu. (0.5x 4)
- beneficial_____   ▪ wisdom   _____
- prevent   _____   ▪ urgently   _____

(C) Complete the Columns.   (0.5x6)

Words	Opposites
accurate	
selfish	

Nouns	Verbs	Adjectives
continuation		
		forgetful

Grammar

Q.2   Fill in the Blanks with suitable Articles and Prepositions.   (0.5×4)

_____ students were excited to walk _____ the bridge and _____ the

new building with _____ H-shaped corridor.

Q.3 (A) Complete each Sentence by Choosing the Correct Word.   (1.0×3)

- I _____visiting my grandparents soon.   (was / have / will be)

- _____ he not sell his property two years ago?   (Did / Have / Had)

- My parents _____ in the same company.   (works / working / work)

(B) Do as Directed.   (1.0×3)
- The woodcutter cut down the tree.   (Change into Passive Voice)
  _____

- The shepherd take his sheeps to the field.   (Correct the Sentence)
  _____

- He earns a six-figure salary.   (Change into Past Progressive)
  _____

Sentence Construction

Q.4   Make meaningful Sentences of the given Words.   (1.0x3)

- spill_____

- guidance_____

- accidently_____

Q.5   Translate into English.   (1.0x3)

■ آج استاد صاحب نیا سبق پڑھائیں گے۔
_____

■ آپ کے دوست روزانہ آپ کے گھرنہیں آتے ہیں۔
_____

■ دوگھنٹے پہلےابوجان اپنی گاڑی دھو رہے تھے۔
_____

1. (A) **Correct Spellings** ⌂ technique ⌂ permanent

(B) **Meanings** ⌂ useful, helpful, فائدہ مند

⌂ intelligence, insight, حکمت, دانائی

⌂ avoid, stop , باز رکھنا

⌂ hastily, eagerly, فوری طور پر

(C) **Opposites** ⌂ inaccurate ⌂ selfless

Word Families ⌂ continue, continuous/continual ⌂ forgetfulness, forget

2. **Articles and Prepositions**
The students were excited to walk **across** the bridge and **into** the new building with **an** H-shaped

corridor.

3. (A) **Complete Sentences**
⌂ I **will be** visiting my grandparents soon.
⌂ **Did** he not sell his property two years ago?
⌂ My parents **work** in the same company.

(B) **Do as Directed.**
⌂ The tree was cut down by the woodcutter.
⌂ The shepherd **takes** his **sheep** to the field.
⌂ He was earning a six-figure salary.

4. **Sentence Formation**
⌂ spill: verb ⌂ guidance: noun ⌂ accidently: adverb

5. **Translation**

⌂ Today, the teacher will teach a new lesson.
⌂ Your friends do not come to your house daily.
⌂ Two hours ago, father was washing his car.

Name: _____   Roll No. _____

SIDDEEQ PUBLIC SCHOOL

<u>ENTRY TEST … **48**</u>   **MATHEMATICS**   <u>Max. Marks: **20**</u>   ADMISSION to GRADE: **7**

Checked by	Srv #	Sign:	Rechecked by	Srv #	Sign:	Marks:

1. Complete the following mathematical statements. (1.0×4)

   (i) Product of -5 and additive identity is _____.

   (ii) $(-4) \div (-4)$ _____ 16   (Insert**:** $>$ or $<$)

   (iii) The index notation for $3 \times 7 \times 3$ is _____

   (iv) If $y = 1.5$ *and* $x = 0.5$ then value of $(\,y - x\,)^3$ is _____

2. Do as directed.

   (i) Simplify 1.2 : 48   **(ii) Subtract (pq+2r-3) from (2r +3-pq)** (2.0×2)
   (Give your answer in lowest form)

3. Simplify: $14 \times (\frac{12}{7} \div 8) - 2\frac{1}{6}$ (4.0)

   _____

   _____

   _____

   _____

   _____

4. The sum of 28 and two times of a number is 50. Find the number. (4.0)
                    (Write an equation for the given situation & find the solution)

   _____

   _____

   _____

   _____

   _____

5. Sara wants to distribute 180 pens and 240 books equally among some children. If the same combination of both items is distributed among all the children, find the maximum possible number of children who can receive the items. (4.0)
                    (Use back of the sheet for Q#5)

Siddeeq Public School
Answer Key
Admission To Grade :7
Mathematics

1. (i) 0 (ii) < (iii) $3^2 \times 7$ (iv) 1

2. (i) 1.2 : 48

$= \dfrac{12}{10}$: 48

$= \dfrac{12}{\cancel{10}} \times \cancel{10}$: 48 × 10

=12 : 480

=1:40 (Simplest Form)

(ii) Solution:

(2r+3-pq) – (pq+2r-3)

$= \cancel{2}r+3-pq \ -pq-\cancel{2r}+3$

=0+6-2pq = 6-2pq

3. $14 \times (\dfrac{12}{7} \div 8) - \dfrac{13}{6}$

$= 14 \times (\dfrac{\overset{3}{\cancel{12}}}{7} \times \dfrac{1}{\underset{2}{\cancel{8}}}) - \dfrac{13}{6}$
  $= 14 \times (\dfrac{3}{7} \times \dfrac{1}{2}) - \dfrac{13}{6}$

$= 14 \times (\dfrac{3}{14}) - \dfrac{13}{6}$
  $= \cancel{14} \times \dfrac{3}{\cancel{14}} - \dfrac{13}{6}$
  $= \dfrac{3 \times 6}{1 \times 6} - \dfrac{13}{6} = \dfrac{18}{6} - \dfrac{13}{6} = \dfrac{18-13}{6}$

$= \dfrac{5}{6}$

4. Let the number be "*x*"

According to given condition
28+2x=50
2x = 50-28
2x= 22
$x = \dfrac{22}{2} = 11$
So, the number is 11.

5. *Maximum number of children who can receive the items = HCF of 180 & 240*

2	180
2	90
5	45
3	9
3	3
	1

2	240
2	120
2	60
2	30
3	15
5	5
	1

Prime Factorization of 180 = 2×2×5×3×3
Prime Factorization of 240= 2×2× 2×2×5×3
HCF = Product of common Factors
  = 2 × 2×3×5 = 60
Or
180 = 2²×5×3²
240= 2⁴×5×3
HCF = 2²×3×5 = 60
Hence the maximum number of children who can receive the items = 60

SIDDEEQ PUBLIC SCHOOL

<u>ENTRY TEST … **48**</u>   **SCIENCE**   <u>Max. Marks: **10**</u>   <u>ADMISSION to CLASS: **7**</u>

Checked by	Srv #	Sign:		Rechecked by	Srv #	Sign:		Marks:

Objective

Q.1   Fill in the blanks.   (1.0×4)

(i)   The cell organelle found in the green parts of the plant is known as
_____, it contains the green pigment chlorophyll.

(ii)   _____ reproduction is also called vegetative propagation, as it involves
the formation of new plants from vegetative parts of a plant.

(iii)   The solid particles which are left on the filter paper while filtration is called
_____.

(iv)   Wind turbines convert wind into _____ energy.

Short-Answer Questions   **(Best <u>three</u> will be considered.)**   (2.0×3)

Q.2   Answer the following questions.

(i)   **Write the function of the following in in the human digestive system.**

a) Oesophagus: _____

_____

b) Mouth _____

_____

(ii)   **Briefly explain the process of <u>diffusion</u> with the help of an example.**
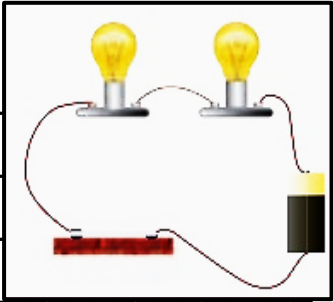
Process: _____

_____

_____

Example: _____

_____

_____

(iii)   **Identify the gives circuit as series or parallel. Justify your answer.**

_____ **circuit**

Justification: _____

_____

_____

_____

(iv)   **What is an electromagnet? Write its two applications.**
Electromagnet: _____

_____

_____

Application 1: _____

Application 2: _____

Q.1 Fill in the blanks.

(i) chloroplast   (ii) asexual   (iii) residue   (iv) electrical

Q.2 Answer the following questions.

(i) Oesophagus: Smooth muscles in the wall of oesophagus contract and push the food towards stomach.
Mouth: Physical digestion takes place with the help of teeth and tongue. Chemical digestion takes place by the action of enzymes of saliva.

(ii) The phenomenon of particles moving from an area of high concentration to low concentration is called diffusion.

Example: Aroma of food fades as we move away from the place where it is cooked. A drop of dye diffuses evenly after sometime.

(iii) Series circuit
As there is only one path through which charges can flow.

(iv) The type of magnet in which the magnetic field is produced by an electric current. The magnetic field disappears when the current is turned off.

Applications: Motors & generators; electric bells; maglev train; lifting magnets; headphones; loudspeakers; transformers; musical instruments; mobile phones. *(any two)*

Name: _____   Roll No. _____

Checked by	Srv #	Sign:		Rechecked by	Srv #	Sign:		Marks:

1. **Complete the following mathematical statements.** (1.0×4)

   i. If product of two numbers is 63 and their HCF is 1, their LCM is _____.

   ii. Ratio between $\frac{1}{4}$ kg and 500 gm (in most simplified form) is_____.

   iii. If 200% of a number is 4 then the number is_____.

   iv. -3(4 + 5) _____ (-3×4) + (-3× 5)   (Insert : >, <   or =)

2.

(i) $(2x^2 + 4xy - 6y^2) - 3(x^2 + xy - 2y^2)$	**(b) Find fourth proportional to** $\frac{1}{3}$, $\frac{1}{9}$ **and 27 .**	(2.0×2)

3. **Simplify:** $[\{0.6 - (1.2 \div 6)\} \times (15 - 3.2 - 1.8)] \div 2$ (4.0)

_____

_____

_____

_____

_____

4. **The length of a rectangle is 2 *cm* more than thrice of its width and its perimeter is 236 *cm*. Find its length and width.**
(Note: Write the equation for given situation and find its solution)   (4.0)

_____

_____

_____

_____

_____

5. **A tub of ice cream contains four flavours. 20% vanilla , 30% chocolate and 15% mango and remaining strawberry. If the mass of strawberry ice cream is 420g. Find the total mass of other flavours.**   (4.0)

(Use back of sheet for Q5)

ANSWER KEY

1. (i) 63 (ii) 1**:** 2   (iii) 2   (iv) $=$

2. (i) $2x^2 + 4xy - 6y^2 - 3x^2 - 3xy + 6y^2 = 2x^2 - 3x^2 + 4xy - 3xy + 6y^2 - 6y^2 = -x^2 + xy$

(ii)   Let x be the fourth proportional.

$$\frac{1}{3} : \frac{1}{9} :: 27 : x$$

As Product of extremes = Product of means

$$\frac{1}{3} \times x = \frac{1}{\cancel{9}^{1}} \times \cancel{27}^{3}$$

$$x = 3 \times 3 = 9$$

So fourth proportional is 9 .

3. $[\{\ 0.6 - 0.2\} \times (11.8 - 1.8)] \div 2 = \quad = [\ 0.4 \times 10] \div 2 = 4 \div 2 = 2$

4. Let width of rectangle = y ,   Length of rectangle = 3y + 2

As perimeter of rectangle = 2 (length + width)

So, According to given condition, $236 = 2\ (3y + 2 + y\ )$

$236 = 2\ (\ 4y + 2)$

$236 = 8y + 4$

$8\ y = 236 - 4$

$8y = 232$

$y = \frac{232}{8} = 29$

So width = 29 cm & length = 3×29+ 2= 87+ 2= 89cm

5. *Perecentage of three flavours of ice cream = 20%+ 30%+ 15% = 65%*

Percentage of strawberry ice cream = 100% - 65% = 35%

Method # 1: *Let x be the total mass of other flavours .*

Percentage	mass
35	420
65	x

         35 : 65: : 420 :x   *As product of extremes = product of means*

35x = 65× 420

x= $\frac{65 \times 420}{35}$ *= 780*

So mass of other flavours is 780g.

Method # 1: *Let x be the total mass of ice cream tub*

Percentage	mass
35	420
100	x

         35 : 100:: 420 :x   *As product of extremes = product of means*

         35x = 100× 420

x= $\frac{100 \times 420}{35}$ *= 1200 g*

So mass of other flavours = 1200g – 420g = 780g

Name: _____   Roll No. _____

SIDDEEQ PUBLIC SCHOOL

ENTRY TEST: 46   **ENGLISH**   **MAX. MARKS: 20**   **ADMISSION TO CLASS:7**

Checked by	Srv #	Sign:	Rechecked by	Srv #	Sign:	Marks:

Q.1   (A)   Encircle the correct spelling.   (0.5x2)

- numarical   /   numericle   /   neumerical   /   numerical

- resistance   /   resistence   /   risistence   /   rezistance

(B)   Provide meanings either in English or in Urdu.   (0.5x4)

- suggest   _____   ■ teasing   _____

- raise   _____   ■ necessary   _____

(C)   Complete the columns.   (0.5x6)

Words	Opposites		Nouns	Verbs	Adjectives
latest				divide	
	doubtful		approval		

Q.2   Fill in the blanks with suitable <u>Articles</u> and <u>Prepositions.</u>   (0.5x4)

These days, _____ greatest challenge for many parents is related _____ their kids' overuse of online games. The government must put _____ ban _____ such dangerous games.

Q.3   (A)   Complete each sentence by choosing the correct word.   (1.0×3)

- A pack of dogs _____ seen outside my house yesterday.   (was / is / were)

- Where from _____ the team of players eat?   (do/ does/ have)

- She has never _____ me for my efforts.   (praise/ praised/ praises)

(B)   Do as Directed.   (1.0×3)

- He did not make coffee.   (Change into Passive Voice)
  _____

- There mother and Sara always goes to school together.   (Correct the Sentence)
  _____

- She did not watch the show.   (Change into Present Perfect)
  _____

Q.4   Make meaningful sentences of these words: (1.0x3)

- smash: _____

- minority: _____

- actively: _____

Q.5   Translate into English.   (1.0x3)

- کیا ظالم انسان اس وقت سو رہا ہے؟
  _____

- تم نے کل کھیلوں میں حصہ نہیں لیا۔
  _____

- علی عید پر نیا بکرا خریدے گا۔
  _____

Answer Key to Class: 7

ENGLISH

Q1. (A) CORRECT SPELLING.

- numerical
- resistance

(B) WORDS/MEANINGS

- advise, recommend

تجویز دینا، مشورہ دینا

- irritating, joking

تنگ کرنا

- increase, rise

بڑھنا۔بڑھانا

- important, basic, vital

ضروری، اہم

(C) OPPOSITES

- oldest, ancient
- sure, confident

(C) NOUNS-VERBS-ADJECTIVES

- division-divide-divided
- approval, approve, approved

Q2. ARTICLES/PREPOSITION

These days, **the** greatest challenge for many parents is related **to** their kids' overuse of online games. The government must put **a** ban **on** such dangerous games

Q3. (A) CHOOSE THE CORRECT WORD

- A pack of dogs **was** seen outside my house yesterday.
- Where from **does** the team of players eat??
- She has never **praised** me for my efforts.

(B) DO AS DIRECTED

- Coffee was not made by him.
- **Their** mother and Sara always **go** to school together.
- She has not watched the show.

Q4. SENTENCE CONSTRUCTION

- Smash, minority, actively

Q5. TRANSLATION.

- Is the cruel man sleeping at the moment?
- You did not take part in games yesterday.
- Ali will buy a new goat on Eid.

Name: _____   Roll No. _____

SIDDEEQ PUBLIC SCHOOL

ENTRY TEST ... **46**   **SCIENCE**   Max. Marks: **10**   ADMISSION to CLASS: **6**

Checked by	Srv #	Sign:	Rechecked by	Srv #	Sign:	Marks:

Objective

Q.1 Fill in the blanks.   (1.0×4)

(i)   _____ are the harmful microorganisms which can reproduce only within an organism.

(ii)   _____ is the female reproductive part of a flower which consists of stigma, style and ovary.

(iii)   Expansion of a metal on heating is an example of a _____ change.

(iv)   Bulb, switch, wires and _____ are the basic components of an electric circuit.

Short-Answer Questions   (*Best three will be considered.*)   (2.0×3)
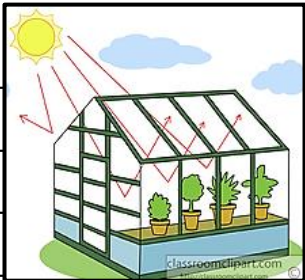
Q.2 Answer the following questions.

(i) **What are translucent objects? Write the names of any two translucent objects.**

Translucent objects: _____

_____

_____

_____

Examples: _____   _____

(ii) **Complete the following table.**

Characteristic	Fishes	Mammals	Reptiles	Amphibians
Type of skin				

(iii) **How does the greenhouse remain warm even in winters and help in the growth of plants inside them?**

_____

_____

_____

_____

_____

_____

(iv) **What is the role of microorganisms in increasing the fertility of the soil?**

_____

_____

_____

_____

_____

Q.1 Fill in the blanks.

(i)   electrical; mechanical/kinetic   (ii) compound   (iii)   wheel; axle

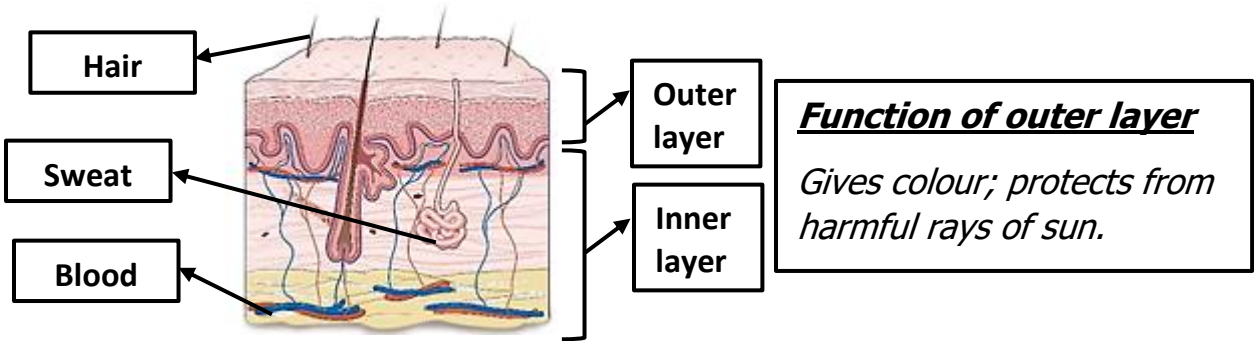(iv)   phloem; xylem

Q.2 Answer the following questions.

(i)   A solution in which the solvent cannot dissolve any more solute at a particular temperature.

Take some amount of water in a container. Add half spoon of sugar in it and mix well. Keep on adding sugar to the solution until the sugar starts settling down at the bottom of the container. This is the saturated solution of sugar and water.

(ii)

Predator-prey relationship	Mutualism
Differences	
Relationship between two animals in which one animal kills and eat (predator) another animal (prey).	Relationship between two organisms which live together and depend on each other. It is a friendly relationship.
Example	
Lion and deer	Algae and fungi (lichen)

(iii)

| Hair |
| Sweat |
| Blood |

Outer layer

Inner layer

Function of outer layer

Gives colour; protects from harmful rays of sun.

(iv)   Sound travels by passing on its vibrations to the particles of some medium. The vibrating particles hit each other and pass on the vibrations as sound.
Particles in solids are very closer together than in liquids, therefore, sound travels faster in solids as compared to liquids.