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
latest	
	doubtful

Nouns	Verbs	Adjectives
	divide	
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. _____

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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

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

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

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, $236 = 2 (3y + 2 + y)$

$236 = 2 (4y + 2)$

$236 = 8y + 4$

$8y = 236 - 4$

$8y = 232$

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

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

$35x = 65 \times 420$

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

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

$35x = 100 \times 420$

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

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

SIDDEEQ PUBLIC SCHOOL

ENTRY TEST … **46**   **SCIENCE**   Max. Marks: **10**   ADMISSION to CLASS: **7**

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

Objective

Q.1   Fill in the blanks.   (1.0×4)

(i)   An electric drill converts _____ energy to _____ energy.

(ii)   Water is a _____ because the elements hydrogen and oxygen are chemically combined in a fixed ratio.

(iii)   The given figure is an example of wheel and axle; in it 'A' acts as a/an _____ and 'B' acts as a/an _____.

(iv)   _____ tissues are responsible for the transport of food and _____ tissues are responsible for the transport of water in plants.

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

Q.2   Answer the following questions.

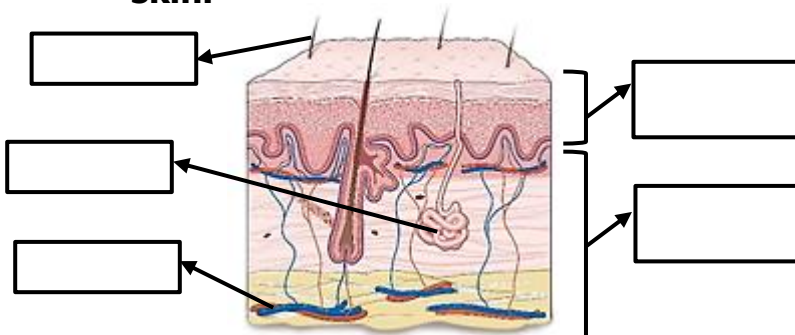(i)   **What is a <u>saturated</u> solution? How will you prepare a saturated solution of sugar and water?**

Saturated solution: _____

_____

_____

Preparation: _____

_____

_____

_____

(ii)   **Differentiate between predator-prey relationship and mutualism.**

Predator-prey relationship	Mutualism
Differences	
Example	

(iii)   **Label the given figure of human skin. Write the function of outer layer of skin.**

Function of outer layer:

(iv)   **Why sound needs a medium for its transfer? Compare the speed of sound in solids and liquids.**

Use backside of the sheet to answer.

Q.1 Fill in the blanks.

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

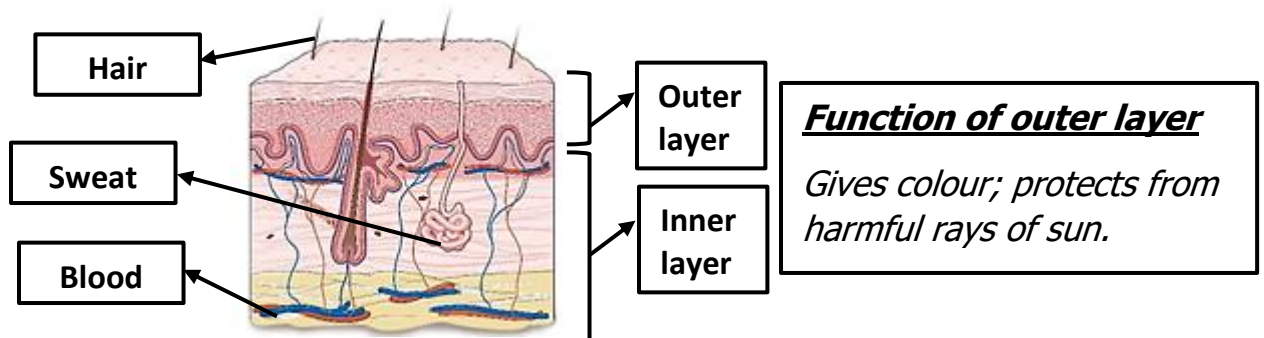(iv)   phloem; xylem

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.