

denominator.

# THE WINNING EDGE DEFENCE ACADEMY SAINIK SCHOOL – 9<sup>th</sup>

# 1st – WEEKLY – TEST – ANSWER KEY

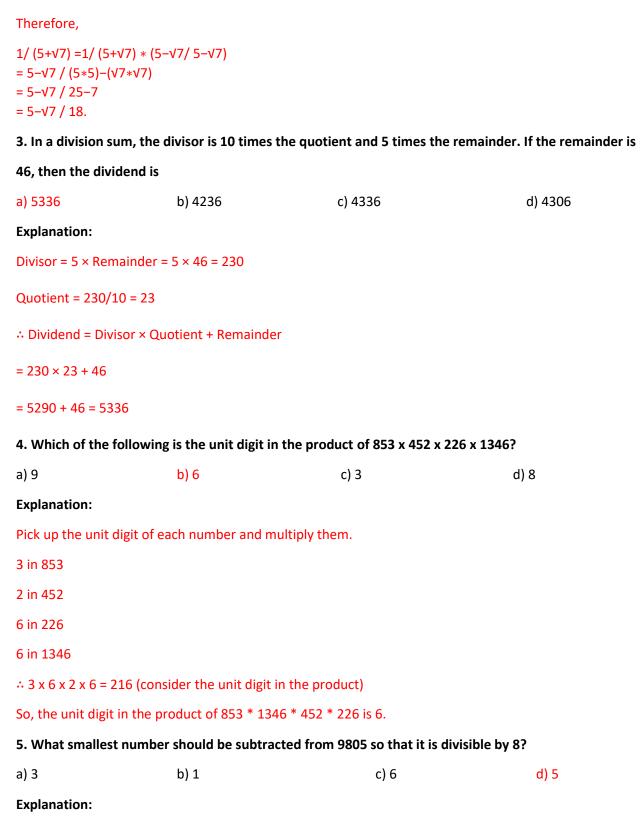
Instructions:				
Attempt all ques	stions.			
Max. Marks - 10	0			Time – 1:00 Hour
	SFC	TION – A: MATHI	EMATICS (7 X 4 = 28)	
	320		20)	
1. The four-digit	number 6a25	divisible by 11, what	is the value of a?	
a) 3	b) 5	c) 0	d) 2	
Explanation:				
The divisibility ru	ıle of 11 for fou	ur-digit number abcd	is,	
a + c = b + d				
Calculation:				
$\Rightarrow$ 6 + 2 = a + 5				
$\Rightarrow$ a = 8 – 5				
⇒ a = 3				
So, the four digit	number is 632	25.		
2. By rationalising	ng the denomi	nator of 1/ (5+V7), we	e get	
a)5−√7 / 5+√7		b) 5+√7 / 18	c) 5-V7 / 18	d) 5+√7 / 5−√7
Explanation:				
When the denon	ninator of an e	xpression contains a t	erm with a square root, the	process of converting is

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to an equivalent expression whose denominator is a rational number is called rationalising the

By multiplying  $1/(5+\sqrt{7})$  by  $(5-\sqrt{7})$ , we will get same expression since  $5-\sqrt{7}/5-\sqrt{7}=1$ .







On dividing 9805 by 9805 to make it divis		s the smallest number which	should be subtracted fror
6. 7X2 is a three-dig	it number in which X is a mi	ssing digit. If the number is o	livisible by 6, is then this
smaller value of mis	sing digit is -		
a) 7	b) 3	c) 4	d) 5
Explanation:			
The given number is the value of X, it wo	•	divisible by 2 and 3. As the la	ast digit is 2, whatever be
Now, 7 + X + 2 = 9 +	X, must be divisible by 3.		
So, X = 3 makes the	number divisible by 3, so 3 is	the required digit.	
7. Suppose there is a remainder when n		vided by 5, the remainder wi	ll be 2. What will be the
a) 4	b) 2	c) 8	d) 5
Explanation:			
According to the que	estion when 'n' is divided by	5, we will get the remainder	2
n/5 = remainder 2			
On putting n =7, and	on dividing it with 5 we will	get remainder 2	
So, $n = 7$ , and $n^2 = 49$	)		
$n^2/5 = 49/5 = remain$	nder 4		
	SECTION – B: E	ENGLISH (6 X 4 = 24)	
1. The chef of tha	t restaurant cooks delic	ious food items. Here 'ch	nef' is an example of -
a) proper noun	b) common noun	c) collective noun	d) abstract noun
Explanation: Here,	'chef' is an example of comm	ion noun.	
2. February is the	shortest month in the y	ear. Here 'February' is a	n example of –
a) proper noun	b) collective noun	c) abstract noun	d) common noun
Explanation: Here,	'February' is an example of p	roper noun.	



3. Choose the plural f	orm of the giver	n word.			
Commander-in-chief					
a) Commander-in-chiefs		b) Commanders-in-chiefs			
c) Commanders-in-chief		d) None of these			
Explanation: The plural of	of 'Commander-in-o	chief' is 'Commande	ers-in-chief'.		
4. Identify the type of	f noun that is hi	ghlighted in the	sentence.		
The <u>swimming pool</u> is	drained and cle	aned every wint	ter.		
a) Compound	b) Collective		c) Abstract	d) Proper	
<b>Explanation:</b> Sometimes create idiomatic compound or greater degree, amount	nd nouns. Idiomati	c means that those	nouns behave a		
Example: mailbox, son-in-	-law, six-pack, foot	ball, etc.			
5. Identify the segme	nt of the senten	ce, which contai	ns a grammat	ical error. If there is	
no error in the senter	nce, mark 'No er	ror'			
The police (A) / is bed	coming more (B)	/ and more inac	ctive. (C) / No	Error (D)	
a) B	b) D		c) C	d) A	
<b>Explanation:</b> Although 'p "s", "es" to make them plinactive.		* *	•		
6.Choose the most ap	propriate answe	er and fill in the	blanks.		
The noun form of 'Do	' is				
a) Does	b) Done		c) Did	d) Deed	
<b>Explanation:</b> The correct	answer is Deed.				



# SECTION – C: GENERAL SCIENCE (7 $\times$ 4 = 28)

1. Who has become th	ne first batsman to sco	re a century in WTC fina	al?	
a) Usman Khawaja	b) Steve Smith	c) Travis Head	d) Rohit Sharma	
the WTC final. Head comp	pleted his century facing 10 in the WTC final was in the	nas become the first crickete 06 balls on the first day of In e name of New Zealand's De	dia's WTC 2023 final.	
2. When is World Oce	ans Day celebrated an	nually?		
a) June 06	b) June 07	c) June 08	d) June 09	
about the importance of this day started from the International Center for D 2023 is "Planet Ocean: The	oceans and the importance be year 2008. It was pro Development of Canada to	y year on 8 June to create a e of conserving marine reso posed by the Oceans Insticelebrate this day. The ther	turces. The celebration of tute of Canada and the	
a) Desmosomes	b) Plasma membrane	c) Cell wall	d) Plasmodesmata	
Explanation: Desmosome	•	ch adjacent cells are attache	-	
4.The rRNA is synthesized	d by			
a) Golgi body	b) Nucleolus	c) Nucleus	d) Cytoplasm	
		al structure in the cell nucleumes)- helps in the synthesis		
5. The cell theory is not a	pplicable to-			
a) Fungi	b) Microbes	c) Virus	d) Algae	
•		or non-living. The cell struct Thus, cell theory is not appli	•	
6. Who among the following introduced Ryotwari System in India?				
a) Lord Cornwallis	b) Lord Wellesley	c) Warren Hasting	d) Thomas Munro	

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**Explanation:** Ryotwari System was introduced by Thomas Munro in 1820. Major areas of introduction include Madras, Bombay, parts of Assam and Coorgh provinces of British India.

## 7. Where was the Permanent Settlement firstly introduced?

a) Orissa (Odisha) and Bengal

b) Orissa (Odisha) and Andhra Pradesh

c) Bengal and Bihar

d) Orissa (Odisha) and Bihar

**Explanation:** The Permanent Settlement was first introduced in Bengal and Bihar.

# SECTION – D: INTELLIGENCE (5 $\times$ 4 = 20)

Choose the correct alternatives to form the same relationship.

1. Scissors: Cloth::?

a) Stone: Grinder

b) Gun : Hunt

c) Knife: Stone

d) Axe: Wood

**Explanation:** A pair of scissors is used to cut cloth. Similarly, axe is used to cut wood.

2. January: November:: Sunday:?

a) Tuesday

b) Friday

c) Saturday

d) Monday

**Explanation:** January is the first month of a year and November is the second last month of a year. Similarly, Sunday is the first day of a week and Friday is the second last day of a week.

3. 149 : 238 : : 159 : ?

a) 169

b) 248

c) 268

d) 261

**Explanation:** The relationship is x: (x + 89).

As, 149: 149+89 = 149: 238.

Similarly,159: 159+89

= 159: 248

4. 14:70

a) 19:57

b) 80:480

c) 15:90

d) 75:375

**Explanation:** First number is multiplied by 5 to get second number.

As, 14 x 5=70

75 x 5=375.

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- 5. Mathematics is related to Numbers in the same way as History is related to .....?....
- a) Events b) People c) Dates d) Wars

**Explanation:** Mathematics is the subject deals with numbers and History is the subject deals with past events.

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