Thakur Educational Trust's (Regd)

THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE

III TERMINAL EXAMINATION 2017- 2018

Subject: ENGLISH

Name:						Std: IX	Div:	Roll No:				
Marks:						03/04/20		Time:				
			Se	ection -	- I : La	nguage	e Study					
Q.1.A)	Do the acti	ivities a	as instru	ıcted:				(16)				
1.	Make a mea	_		ce by u	sing the	given p	ohrase:				(1)	
2.	Use the giv			our own	sentenc	ce – sub	consciously				(1)	
	Write home		-				, , , , , , , , ,				(1)	
	Spot the err	_									(1)	
	'Two evils	that fe	ar lead u	is to is s	supersti	tion and	cruelty.					
5.	Write four	sensible	e words	using th	ne letter	s of the	following				(1)	
	Word. Each	n word	must be	of at le	ast 5 let	ters:- ' l	Psychological'					
6.	"Don't, Cyr	ril, don	't." (ide	ntify th	e kind o	of senter	nce)				(1)	
7.	It was a cus	stom fo	r womei	n <u>have</u> s	mall fee	et.					(1)	
	(use the und	derline	d verb in	the app	propriat	e non fi	nite form.)					
8.	Punctuate the	he follo	owing se	ntence-							(1)	
	_	_				vall are	no longer neces	ssary'				
9.	The dreadfu	ıl debt		. be pai	d						(2)	
	(use a mod		•	_	-							
			•				ite in the indire	ct speech)			(2)	
	•	-					nge the voice)				(1)	
12.	The garden			-	•						(1)	
10	have anima					•					(2)	
13.	Find four w	ords re	elated to	bankınş	g in the	given w	ord grid:				(2)	
		M	V	T	E	K						
		A	О	P	T	M						
		N	R	N	F	N						
		A	K	C	E	K						
		G	R	A	C	Y						
		E	E	S	E	F						
		R	L	H	T	L						
		A	C	C	0	U						
	(B) Do as d	lirecte	d:					(4)				
	1.Shop										(2)	
	(Use the ab	ove wo	ord in a s	entence	as a no	oun and	as a verh)				(2)	
	2. You may						us u (018)				(2)	
	(Rewrite as		•			F					(-)	
	`							7				
			Secti	on II: S	Seen P	rose P	assages					
Q.2.A)	Read the p	assage	and do	the act	ivities			(10)				
	A1. Comple	ete the	naraorai	oh ·-							(2)	
	-				and o	ave it	to	Clerk. H	e made	me	` ′	the
					_		my name in a b					
				-			•	money at him	with a au	iick, c	convuls	sive
	movement,							·	1	Ź		

My face was ghastly pale, Here," I said, "deposit it." The tone of the words seemed to mean, "Let us do this painful thing while the fit is on us."

He took the money and gave it to another clerk. He made me write the sum on a slip and sign my name in a book. I no longer knew what I was doing. The bank swam before my eyes.

"Is it deposited?" I asked in a hollow vibrating voice.

"It is," said the accountant.

"Then I want to draw a check."

My idea was to draw out six dollars of it for present use. Some one gave me a check-book through a wicket, and some one else began telling me how to write it out. The people in the bank had the impression that I was an invalid millionaire. I wrote something on the check and thrust it in at the clerk. He looked at it.

"What! Are you drawing it all out again?" he asked in surprise. Then I realised that I had written fifty-six instead of six. I was too far gone to reason now. I had a feeling that it was impossible to explain the thing. All the clerks had stopped writing to look at me.

A2.) Arrange the following procedure of opening a bank account in the correct order.

(2)

- i) Writing the sum on a slip
- ii) Giving the amount to the accountant
- iii) Signing the name
- iv) Going to the wicket.
- A.3) Write from the passage the adjectives for the following nouns

(2)

- i) wicket
- ii) movement
- iii) trick
- iv) voice
- A4) Underline the verb in the following sentences and state the tense.

(2)

- i) All the clerks had stopped writing to look at me.
- ii) Then I want to draw a cheque.
- A.5) What would be your reaction if you go to a strange place full of strangers?

(2)

(2)

Q.2 B) Read the following passage and do the activities.

(10)

A.1) Write down the names of four famous epics from the passage.

The two famous Sanskrit epics are *The Ramayana* and *The Mahabharata*, and the two great epics of European literature, written in ancient Greek, are *The Iliad* and *The Odyssey*. Just as in Indian literature we go back to stories from *The Ramayana* and *The Maharharata*, so in the literature of western countries, they go back to *The Iliad* and *The Odyssey*. Just as children all over India know the names of stories of Ram and Sita, Yudhishthira and Arjuna and Draupadi, so children in western countries know the names of Hector and Odysseus and Achilles and Helen of Troy, the most beautiful woman in the world, because of whom the Greek and Trojans fought for ten long years.

Nobody knows for certain who the author of these early epics is. It is thought that they arose and developed with the nation itself, and were handed down from singer to singer till perhaps one great poet gave them their final form.

It is believed that *The Iliad* and *The Odyssey* were composed and recited by a blind poet named Homer, who lived about 900 BCE and who wandered from one Greek city or village to another, singing his poems to all who would receive him in their homes and give him hospitality. This wandering singer has been honoured through the ages, not only in Greece but in all Europe, as the Father of European Poetry.

A.2) Complete the following table.

(2)

	Characters of the Indian epics		Character of the western Epics
1	Ram	1	
2		2	Helen
3		3	Hector
4	Arjuna	4	

A.3)	Unscramble the words and rewrite them	correctl	y		(2)
	1) etproy 2) eekgr 3) rainc	te 4	e) eicnnta		
	Pick out the subordinate clause from the mention the kind.	followi	ng sentences and		(2)
	i) Nobody knows for certain who tii) The Iliad and the odyssey were about 900 BCE.		• •	ooet named Hom	er, who lived
A.5)	what values can we learn from the fam 'The Ramayana'? Explain.	nous Ind	ian epic		(2)
	Section -	III : Po	etry		
Q.3 A A.1)	A) Read the following extract and come Pick out and write down four lines of which have a conversational tone. Advice is cheap; 20 cents will get you both Dear Abby and Billy in the same newspaper. And I can do for myself; I am not help Maybe discouraged and falteri	or expre	essions.	(5)(2)	
	but not helpless. When you do something for me that I and need to do for myself, you contribute to my fear and inadequacy.	can			
	But when you accept as a simple fact that I feel what I feel no matter how irrational, then I can stop trying to convit and get about this business of understanding what's behin this irrational feeling.				
A.2 w	vrite down what does the poet expect us				(2)
A.3)	i) Do				(1)
Consi (Title	preciation of Poem: idering the below given points write are, Poet, Rhyme scheme, favourite lines, tike the poem.)		-		(10) n, why I like /
	Section IV	: Unse	en Prose Passage		
Q.4 A	A) Read the passage carefully and com			10)	
A.1)]	Match the columns.			(2)	
	A		В		
$\frac{1}{2}$	flowers hut	a) b)	Fireplace breath takingly		
_	,	1 0,	Jionni milligiy	1	

	A		В
1	flowers	a)	Fireplace
2	hut	b)	breath takingly
3	Blessing	c)	Wild
4	sunrise	d)	Interesting
		e)	a shelter with a tin roof

There were wild flowers growing everywhere and our botanists had a field day identifying and documenting them without resorting to the cruel practice of making 'collections'.

We were expected to reach a hut, our shelter for the night, in another hour and though my hungry and weary body welcomed the idea, there was a part of me which regretted the necessity of exchanging the beauty of this enchanted land for the warmth and shelter of the indoors.

The hut turned out to be just what its name implied - a shelter with a tin roof, two rooms, a kitchen and a toilet, and blessing of blessings, a fireplace.

By now the drizzling rain had become a torrent and we reluctantly decided to spend the remainder of the day indoors, cooking food, drying our clothes, tending to our equipment and disinfecting and dressing the leechbites. By nightfall, it had become quite cold and we were thankful for the fireplace and the dry firewood stored behind the kitchen by the last occupant of the hut.

The new day began with a breathtakingly dramatic sunrise, as the sun's first rays touched the hills turning them golden-red. We got through our breakfast and then started out to explore the surroundings and to document, wherever possible, interesting flora and fauna found in the area.

The botanists decided to spend the day indoors by......

A.3) Write from the passage -

(2)

- i) Antonym of a) kind b) cool
- ii) Synonym of a) deluge b) inquire into
- A.4) Change the voice

(2)

- 1. The sun's first ray touched the hills
- 2. My hungry and weary body welcomed the idea.
- **A.5**) Can travelling be a learning experience? Define.

(2)

(B) Write the summary of the following passage. Suggest a suitable title. (5)

(Points: father of a wealthy family – on their return from the trip, the father asked what did you learn – the son answered – the father was speechless)

One day, a father of a very wealthy family took his son on a trip to the country with the firm purpose of showing his son how poor people live. They spent a couple of days and nights on the farm of what would be considered a very poor family. On their return from their trip, the father asked his son, "How was the trip?"

"It was great, Dad."

"Did you see how poor people live?"

"Oh yeah," said the son.

"So, tell me. What did you learn from the trip?"

The son answered, "I saw that we have one dog and they had four. We have a pool that reaches to the middle of our garden, and they have a creek that has no end. We have imported lanterns in our garden, and they have the stars at night. Our patio reaches to the front yard, and they have the whole horizon. We have a small piece of land to live on, and they have fields that go beyond our sight. We have servants who serve us, but they serve others. We buy our food, but they grow theirs. We have walls around our property to protect us; they have friends to protect them."

The boy's father was speechless.

Then his son added, "Thanks, Dad, for showing me how poor we are."

Q.5.A) letter writing (Informal)

(5)

Stay healthy

Stay fit

yoga for all!

- Essential in modern age
- Reduces tension
- Provides energy
- **Develops concentration**

Write a letter to your younger brother telling him about the importance of yoga and advise him to join yoga classes.

B .Interview Question:

(5)

You have been appointed as the monitor of your class. Prepare a set of ten questions to interview the head boy/ girl of your school to take inspiration from him/her.

Q.6 A) Information transfer (Verbal to Non- verb):

(5)

Given below are some instructions as to how to recycle used paper. The instructions are in jumbled order. Prepare a flow chart showing the correct process.

Give some book to poor children- make bound books with papers not used at all -- keep partly - used paper for personal use - give some books to NGO's - sort out the used paper into three piles - use some books for home work --sell completely used paper to 'junk - dealer' - use some books for rough work.

B. Report writing:

(5)

Read the following headline of news items

AUTO RICKSHA DRIVERS ON **STRIKE** Write a report on the same topic. **(5)**

Q.7.A) Expansion of theme:

Explain the idea contained in the theme 'Go green'.

B. Review writing:

(5)

Write a review of a play you have watched recently.

ALL THE BEST

Thakur Educational Trust's (Regd) THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE III Terminal Exam 2017-2018 Subject: Geography. _ STD: IX Div: ₋ Name: _ Roll No: _ Time: 2hrs. Marks: 40 Date: 02/04/2018

QIA) Rewrite the following statements by choosing the correct option: -

(4)

1.	Tourism is a	occı	ipation.	(Primary	/ Secondary	y / Tertiary	_')

- decided the International Date Line in the year 1884. 2. The American professor (J.M. Keynes / Davidson / Alfred Marshall)
- 3. When people from different religious background live together in peace, it is called_ (Social harmony / Urbanization / Modernization)
- method is most suitable for that variable which is freely scattered across a region.

(Isopleth /Dot / Choropleth) QI.B) Answer in one sentence each :-(4) 1. How is a river formed? 2. What is meant by domestic tourism? 3. Define "World Standard Time". 4. What is urbanization? QII A) Answer the following :-(6) 1. Complete the flow chart below:-**Weathering Process Chemical Weathering Exfoliation** Oxidation **Burrowing by animals** 2. Explain the nature of the mixed economy. 3. Name the following:-(a) Two landforms created by erosional work of sea waves. (b) Name two types of volcanoes. (6) QII B) Give geographical reasons :- (Any 2) 1. Reddish coloured rocks are mostly found in the area with high rainfall. 2. The IDL doesn't pass through land. 3. Oceans located at the same latitude do not have same salinity. QIII A) Write short notes on:- (Any 2) (6)1. Film Tourism.

(4)

(2)

2. Write a short on Swachh Bharat Abhiyan.

QIIIB) Draw neat and labelled diagram of the following:-

QIV) Observe the map and answer the following questions.

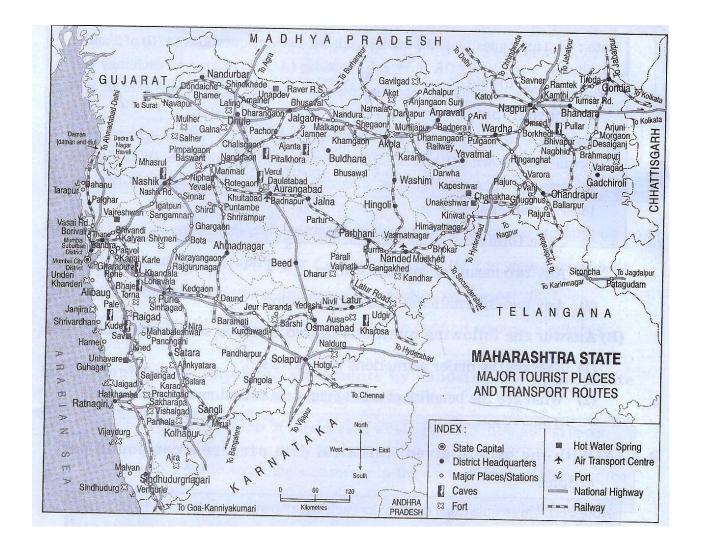
1. Name any two places having hot springs.

3. Objectives of WTO.

a) Block Mountain

2. Name any two caves.

b) Yardang



QV) Answer the following questions in detail: - (Any 2)

(8)

- 1. Differentiate between Railways and Roadways.
- 2. If condensation occurs closer to the earth's surface, what types of forms become visible?
- 3. Explain the types of seismic waves.

ALL THE BEST

Thakur Educational Trust's (Regd)

THAKUR VIDYA MANDIR HIGH SCHOOL & JR. COLLEGE

III Terminal Exam-2017- 2018

Subject: History/Political Science

Name: ______ STD: IX Div: ____ Roll No: ____ Marks: 60 Date: 05/04/2018 Time: 2 hrs.

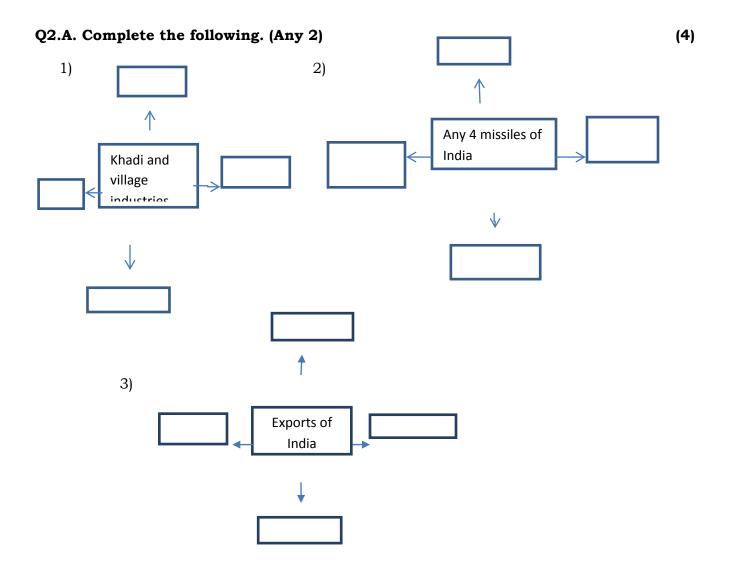
HISTORY

India won the cricket world cup in 1983 under the captainship of _______. (Sunil Gavaskar, Kapil Dev, Sandip Patil) The first open heart surgery was successfully performed in the city of ______. (Chennai, Vellore, Mumbai) Ludhiana is the major Indian city in the production of ______. (bicycles, leather, tea) The magazine Jeevan Shikshan is published by ______. (MSCERT, NCERT, Balbharati)

Q1.B. Identify the wrong pair and correct it.

(4)

- 1. First Chairman of Atomic Energy Commission Dr. Homi Bhabha
- 2. White revolution- Dr. Varghese Kurien
- 3. Green Revolution- Shri Morarji Desai



Q2.B. Short note. (Any 2)

- 1. Importance of dialects of Indian languages.
- 2. Challenges faced in rural development.
- 3. Leather industry in India.
- 4. Mixed Economy.

Q3.A. Give reasons. (Any 3)

(6)

(4)

- 1. The postal department tries to preserve the heritage and integrity of Indian culture through postal stamps.
- 2. The Prohibition of Dowry (Amendment) Act was enacted in 1984.
- 3. USA imposed economic sanctions on India.
- 4. The Rural Water Supply scheme was started.

Q3.B. Answer in 25-30 words. (Any 2)

(4)

- 1. Name any four projects started in the second five year plan.
- 2. How one can do computerized reservation for rail tickets?
- 3. Why were the banks nationalized in 1969?

Q4. Read the passage and answer the questions.

(4)

The working class has contributed culturally as well as through folk theatre, folk art and literature. Anna Bhau Sathe and Shahir Amar Shaikh were popular for their programmes aimed at public education. Poets like Narayan Surve, Namdev Dhasal, etc. portrayed the real life of the workers through their poems.

- 1. How has the working class contributed?
- 2. Which leaders were popular for their public education programmes?
- 3. What did the poets portray through their programmes?
- 4. Name any two poets mentioned in the passage?

Q5. Answer in detail. (Any 2)

(10)

- 1. Plot any 5 states and their capitals on the map of India.
- 2. Protection of Human Rights Act.
- 3. Which changes have taken place in the medium of television?

POLITICAL SCIENCE

Q6. F	ill in the blanks choosing the correct option.	(4)
	is an international problem. (Border dispute betwee Karnataka, Naxalism in Andhra Pradesh, Problems of refugees)	
	performs the task of bringing people's litterats. (Rapid Action Force, NCC, Coast Guard)	Ç G
	A system of independent and sovereign states is calledinternational system, social system)	
4.	conducts workshops in India on remedial measure malnutrition. (UNESCO, FAO, UNICEF)	s to tackle the problem of
Q7. S	tate whether True or False with reasons. (Any 2)	(4)
2.	The League of nations was established after the first cold war. Every nation creates a strong security system for itself. The number of member nations in the UN are 190.	
Q8.A.	Short Notes. (Any 2)	(4)
	Objectives of the UN.	
	Functions of the Border Security Force. Veto.	
Q8.B.	Complete the following. (Any 2)	(4)
1.	2.	
	<u>↑</u>	
	Any two	
]_[Permanent international problems UN	
·		
3.		
	↑	
	Neighbours of	
	India	
`	lack lack lack	

 $B = \{x \mid 7x - 1 = 13\}$

- (4)
- 1. Do you think that strong relations with America are conducive for India's development? Why
- 2. Narrate the effects of terrorism and suggest remedies.
- 3. Narrate the effects of degradation of environment and suggest remedies.

BEST OF LUCK

	Thakur Educational Trust's (Regd) THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE								
	TF.		IR HIGH SCHOO al Exam 2017 - 2						
			ıbject: Algebra	2010					
Name	:		STD: IX D	oiv:	Roll No:				
Marks	s: 40	Date: 09/0	04/2018		Time: 2hrs				
IA) C	Choose the corre	ect alternative for	the following	questions.	(5)				
1)	What is the med	lian of 7, 10, 7, 5, 9 a	and 10?						
	a) 7	(b) 9	(c) 8	(d) 10					
2)	Which of the fol	lowing set represen	t N∩W?						
	a) {1, 2, 3}	(b) {0, 1, 2, 3}	(c) {0}	(d) { }					
3)	•	$2 - (13 + 7) \times 4 \mid is$, , , , ,					
,	a) -68		(c) -32	(d) 32					
4)	•	or of the polynomia	. ,	` '					
1)	a) 3	(b) -3	(c) 2	(d) 1	•				
E)	•	` '	(C) Z	(u) I					
3)		o of 1 mm to 1 cm?	(a) 1:10	(4)100.1					
	a) 1:100	(b) 10:1	(c) 1:10	(d)100:1					
IB) At	tempt any 5 out	of 6 guestions.			(5)				
_	-	= 13, n (A ∩ B) = 4,	then n (A U B) =	7	(0)				
•				•					
۷)		ond polynomial fror b; 3ab – 8ab² + 2a²b							
21		,		7 + h o n find h					
		tinued proportion.							
	-	and $17x + 12y = 68$		-					
		ndary and higher ed	-	bayable on the inco	ometax of 🛭 8,500				
6)	Find the class m	ark of the class 21 to	o 30.						
11/ Δ+4	and any A out	of Caucations			(0)				
•	tempt any 4 out o	•	2 [7]. [4	2 4 6) 5: 4 (:) 4/	(8)				
Τ)		5, 6, 7, 8 }; A = { 1,	3, 5, 7 }; B = {1,	2, 4, 6 } Find (I) A	(II) B (III) A MB				
	(iv) A' ∪ B'								
2)	Write any two ra	ational numbers bet	ween 5.2 and 5	.3.					
3)	Factorize 63x ² +	5x - 2							
4)	If 5x = 4y, then f	ind the value of the	$ratio \frac{3x^2 + y^2}{3x^2 - y^2}.$						
5)	Decide whether	sets A and B are eq	ual sets. Give rea	ason for your ansv	ver				
	A = {Even prime	numbers}							

- 6) In a basket there are 10 tomatoes. The weight of each of these tomatoes in grams is as follows
 - 60, 70, 90, 95, 50, 65, 70, 80, 85, 95 Find the median of the weights of tomatoes.

III) Attempt any 3 out of 5 questions.

(9)

- 1) Multiply $(3\sqrt{2} \sqrt{3})(4\sqrt{3} \sqrt{2})$
- 2) Factorize the following polynomial $(x-5)^2 (5x-25) 24$
- 3) If (x + 3): (x + 11) = (x 2): (x + 1), then find the value of x.
- 4) Solve the following simultaneous equations

$$\frac{x}{3} + 5y = 13$$
; $2x + \frac{y}{2} = 19$.

5) The following table shows the number of buses and trucks in nearest lakh units. Draw a percentage bar diagram

Year	Number of trucks	Number of buses
2005 - 2006	47	09
2007 - 2008	56	13
2008 - 2009	60	16
2009 - 2010	63	18

IV) Attempt any 2 out of 3 questions

(8)

1) Solve the following equation

$$\frac{(2x+1)^2 + (2x-1)^2}{(2x+1)^2 - (2x-1)^2} = \frac{17}{8}$$

- 2) The distance between two places A and B on road is 70 kms. A car starts from A and the another car starts from B. If they travel in the same direction, they will meet after 7 hours. If they travel towards each other they will meet in one hour. Then find their speeds?
- 3) Mr. Shekhar spends 60% of his income from the balance he donates ② 300 to an orphanage. He is then left with ② 3,200. What is his income?

V) Attempt any 1 out of 2 questions

(5)

1) The data for 50 students regarding their marks (out of 100) in English is given below. Take classes 0 – 10, 10 – 20 and prepare a frequency distribution table and cumulative frequency more than or equal to type and also less than type cumulative frequency. 47, 62, 83, 87, 48, 61, 46, 50, 30, 79, 20, 10, 76, 78, 09, 22, 25, 39, 45, 53, 78, 70, 46, 69, 42, 59, 31, 82, 27, 14, 79, 86, 07, 22, 27, 36, 35, 44, 75, 80, 43, 67, 48, 59, 32, 83, 23, 17, 87, 14

From the prepared table answer the following questions

- (i) How many students obtained 50 or above 50 marks?
- (ii) How many students obtained 80 or above 80 marks?
- (iii) How many students obtained less than 40 marks?
- (iv) How many students obtained less than 60 marks?
- 2) If (2x + 1) is a factor of $(3b + 2) x^3 + (b 1)$, then find b. HINT
 - (i) Let $p(x) = (3b + 2) x^3 + (b 1)$
 - (ii) Remainder = $p(\frac{-1}{2})$
 - (iii) Find value of $p(\frac{-1}{2})$

- (iv) By factor theorem $p(\frac{-1}{2}) = 0$
- (v) Find value of b.

write-

i) A pair of complementary anglesii) A pair of supplementary angles

ALL THE BEST

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		Thakur Educational T A MANDIR HIGH	. ,	COLLEGE
		Terminal Exam		COLLEGE
	111	Subject: Geo		
Name:			ΓD: IX Div:	Roll No:
Marks: 40	Da	te: 11/04/2018		Time : 2hrs
QIA) Choose the cor	rect alternative ans	wer for the multin	le choice questio	ons. [5]
1. Find d(A,B) ,if the		-	-	,,,,,,
A) 2	B) 6	C) 10	D) 8	
•	•	•	,	
2. The number of an				
A) 2	B) 4	C) 8	D) 16	
3. In △ABC, ∠B=90°,				
A) 5cm	B) 5√3cm	C) 8m	D) 6cm	
4. In which quadrant		e point A lie, if A(x	x,y) and x<0, y=0?	,
A) Quadrant II	B) Quadrant III	C) X-axis	D) Y-axis	
5. 2tan45° + cos30°-	sin60° =?			
A)2	B)0	C)1	D)4	
QIB) Solve the follow	wing (Any 5) -			[5]
1. Write the following		en' form.		• •
	rectangle are congr			
2. If ∠A and ∠B are t			nd ∠B.	
3. In ∆ABC, ∠B=90°	. ∠A=45°, ∠C=45° an	d AC=5cm, find len	ngth of AB.	
4. The radius of a cir			_	
5. Write the equatio		_	_	m it to its left.
•	•			ind the radius of the base of
the cone.	ineligite of a content of			The tire radius of the sase of
the cone.				
QII. Solve the follow	ring (Any 4) -			[8]
1. Write the anteced	lent and the consequ	ent in the followir	ng statement-	
i) The diagonals of a	parallelogram bisec	t each other.		
2. State Alternate an	gle test.			
3. ΔABC and ΔPQR a	are similar to each ot	her ,BC=4,QR=6,A	B=3,PR=7.5, find	AC.
4. State with reason		ng statement is tru	ie or false-	
i) Every rhombus is	_			
5. Find the surface a	rea of a sphere havir	ng radius 7cm.		
QIII. Attempt the fo	llowing (Any 3) -			[9]
1. Prove that the opp	posite angles formed	l by two intersectir	ng lines are of equ	ual measures.
2. Ray PQ and Ray PI	R are perpendicular t	o each other. Poin	nts B and A are in	the interior and exterior of ∠QPR

respectively. Ray PB and Ray PA are perpendicular to each other. Draw a figure showing all these rays and

3. Construct \triangle XYZ, in which \angle Y=58 , \angle X=46 and perimeter of triangle is 10.5cm

	ving (Any 2) - bisector of ∠QPR. A line ray QP at point S. seg PT II Seg SR	[8]
with side 7.5cm. Mea	circumcircle of an equilateral ΔDSP asure the radii of both the circles and is of circumcircle to the radius of incircle.	
3. If tan =8/15 then find	d sin and cos .	
QV . Attempt the follow	ving (Any 1) -	[5]
 Quadilateral ABCD is a Seg AX and seg CY are respectively. Prove th 	the bisectors of ∠DAB and ∠DCB	
	ant height of a cone are in the ratio ace area is 26950 sq.cm, find its perpendicular height accordance. ALL THE BEST	ght.
	Thakur Educational Trust's (Regd)	
THA	KUR VIDYA MANDIR HIGH SCHOOL &	JR.COLLEGE
	III Terminal Exam 2017- 2018	3
	Subject: Science& Technology	I
Name:	STD: IX Div	_ Roll No:
Marks: 40	Date: 04/04/2018	Time:2Hrs.
	e following is true or false:	(3)
1. 1 newton = 1 kg x 1 m/s		
	ergy in the universe remains constant.	
3. The number 6.022 x 10	²² is called Avogadro's number	
(b).Fill in the blanks base	ed on the given relationship.	(2)
1. Calcium: Ca :: Cadmium	1:	

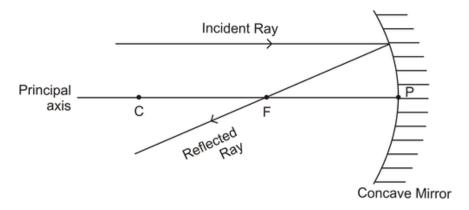
4. Volume of a cuboid is 34.50 cubic meter. Breadth and height are 1.5m and 1.15m respectively. Find area of

2. K.E. : ½ mv² :: P.E. : _____

base of cuboid.

1. Acceleration is the rate of change of with respect to time.								
a. Speed	b. disp	lacement	c. distance	d.	Velocity			
2. Power is the								
a. rate of change of momentum b. rate of doing work								
c. product of force and displacement d. capacity to do work								
3. The electro	3. The electronic configuration of an element is (2, 4). Hence, its valency is							
a. 2	b. 4	c. 6	d. 8					
4. Positively cl	narged ions ar	e called						
a. cation	b. anion	c. electro	ns d. neutrons					
5. All instance	5. All instances of inertia are examples of Newton's							
a. First law o	a. First law of Motion b. Second law of Motion c. Third law of Motion d. Law of Momentum							
Q2. Answer the following questions (Any 5) (10								

- 1. A current of 0.24 A flows through a conductor when a potential difference of 24 V is applied between its two ends. What is its resistance?
- 2. Write the chemical equation when NaOH solution is added to HCl solution.
- 3. Observe the figure and state the rule for drawing the following ray diagram.

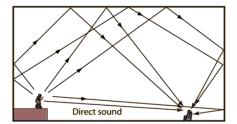


- 4. Give scientific reason why we cannot hear the echo produced in a classroom.
- 5. Write practical uses of CO2 (Any 4)
- 6. What is the chemical formula of Bleaching powder, Washing soda, Common salt and Baking soda?
- 7. Define Radioactivity.

Q3. Answer the following questions (Any 5)

(15)

- 1. Artificial dyes are prevalent in our daily life. They are in our lipstick, nail polish, hair dyes and so on. They contain various chemicals and are linked to many health concerns. Can you point out some of the harmful effects?
- 2. Differentiate between Diamond and Graphite.
- 3. Observe the given figure and answer the questions:



- (i) Identify the phenomenon.
- (ii) Define the above given phenomenon.
- 4. Show the dissociation of the following compounds on dissolving in water, with the help of chemical equation and write whether the proportion of dissociation is small or large.

Magnesium chloride, Acetic acid, Potassium hydroxide, Hydrochloric acid, Copper sulphate, Ammonia.

- 5. How will you prove experimentally that graphite is good conductor of electricity?
- 6. Draw a well labeled electric circuit diagram
- 7. Choose the correct alternative and complete the following paragraph:

(Convex, concave, vertical, erect, larger, positive, smaller, negative)

The mirrors used in cars an	nd motorcycles are	mirrors. In thes	e mirrors, the image of a face is	_ and
The special min	rror which is used for shaving	is a	mirror. When held close to the face, it g	ives
and	image of the face.			

Q4. Attempt the following (Any 1)

(5)

1. Read the following paragraph and answer the questions based on it:

Animal dung, dry leaves, wet garbage get decomposed by anaerobic microbes in a biogas plant. It takes place in two stages. The microbes act on the biodegradable complex organic compound and produce organic acids. The methanogenic bacteria act on the organic acids to produce methane gas. This methane gas is also known as biogas. Biogas is a very cheap fuel option which meets the demand for cooking gas. It is also used for production of electricity. Biogas contains about 55% to 60% methane and the rest is carbon dioxide. Biogas is a fuel which is convenient to use and very good manure is also produced as a side product of the process.

- (i) Name the gas produced in a biogas plant.
- (ii) Explain how the gas is produced in biogas plant.
- (iii) Write any two use of biogas.
- (iv) Write the composition of gases in biogas.
- 2. Complete the following table:

Sr.No.	Allotrope of Carbon	Uses
1.	Fullerenes	1.
		2.
2.	Coal	1.
		2.
		3.

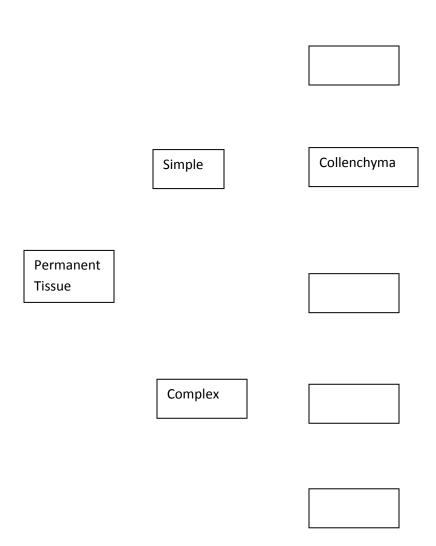
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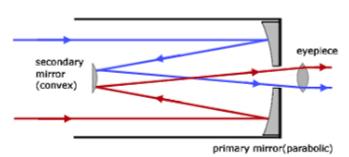
		III Terminal E	xam 2017- 2018	3
		Subject: Science	ce & Technology	II
Name: _		S'	ΓD: IX Div	Roll No:
Marks:	40	Date: 10/04/2	2018	Time: 2 hrs.
Q1A.(a) Id	entify the odd word	out:		(3)
1. Pteridop	hyta, Thallophyta, Bry	yophyta, Gymnosperms.		
2. Nitrogen	cycle, Carbon cycle,	Oxygen cycle, Phosphorus	cycle.	
3. Pneumo	nia, diphtheria, chicke	en pox, cholera.		
(b). Matcl	n the column			(2)
	Α	В		
	1. Dandruff	a. production of antibion	otics	
	2. Penicillium	b. Primary consumers		
	3. Herbivores	c. Nephrolepis		
	4. Pteridophyta	d. Fungi		
 Moss is a Pteridop Oxygen i volcanic Conversi Denitrific A. Rhizobiu 	s released into the at activity b. forest fire on of ammonia into a cation b. Nitrificati lives in the r	ta c. Thallophyta mosphere by the biotic pro c. photosynthesis a nitrite and then nitrate is ion c. Ammonification coot nodules of the legumination	d. burning of fossil in known as d. Nitrogen fixation hous plants d. Lactobacilli	fuel
a. Bio-reme	ediation b. Fermen	tation c. Budding	d. Symbiosis	
	er the following ques			(10)
				omedical waste and Industrial waste.
		share with others the know		
		nds and hormones secreted	•	
		ith short wide neck, flat no as one extra chromosome	•	ctancy. He is diagnosed with a very cell of his body.
(i) Name th	e disease Alex is suffe	ering from.		
(ii) What is	the most prominent	characteristic of this diseas	se?	
5. Define –	Biotechnology			

6. Complete the table –



7. Why can an X – ray telescope not be based on the earth?

Q3. Answer the following questions (Any 5)



- 1. Study the above given figure and answer the following questions
- (i) What type of telescope is shown in the figure?
- (ii) Label the main parts of the telescope.
- (iii) What other type of telescope uses a curved mirror?

(15).

2. Complete the following paragraph with given alternatives:	
(boiling water, hydrochloric acid, mulberry plant, orchid plant, Bo	ombyx mori, pupa, cocoon,salivery glands)
is the most commonly used variety for product stages, namely egg, larva, and adult. Thousands of egg Larve hatching out of eggs are released on After plant. The silk htread is formed from the secretion of their to form a Before ten days, it is transferred into	feeding for 3 – 4 days, larvae move to branches of the Larvae spin this thread around themselves
3. Distinguish between monohybrid and dihybrid cross.	·
4. Draw a well labelled diagram of Nephron.	
5. write a brief note on RNA.	
6. How does a computer work?	
7. State the scientific and eco-friendly methods of waste manage	ment.
Q4. Attempt the following (Any 1)	(5)
1. Read the paragraph and answer the questions based on it:	
Many waste materials are generated through the various daily humaterials are properly disposed of, they can be a valuable source problem as it causes both water and soil pollution. Solid waste is economic growth, environmental degradation and health. It has because of the air, water and soil pollution it causes. On 26 th July Improper solid waste management was one of the main reasons solid waste can lead to various calamities.	of energy. Currently, solid waste is a serious worldwide also serious problem from the point of view of posed a serious threat to nature and human habitat 2005, a serious flood calamity had arisen in Mumbai.
(i) What is solid waste?	(1)
(ii) Why solid waste is a serious worldwide problem?	(2)
(iii) Why Mumbai faced a serious flood calamity in 2005?	(1)
(iv) What is the benefit of proper disposal of waste?	(1)
2. Study the given figure and answer the questions based on it:	
Soil particles Cortex Tissue Guard Cells Stomatal opening	Leaf
Fig (1) Fig (2)	
(i) Name the transportation process shown in Fig (1) and Fig (2)	(1)
(ii)Name the process that pushes water up in the plant during the	e night time. (1)
(iii) Which transportation process works on the process of evapor	ration? (1)
(iv) Explain in short the transportation process shown in Fig (1)	(2)

ALL THE BEST

THAKUR VIDYAMANDIRHIGH SCHOOL& JR.COLLEGE

III TermRe-Exam 2017- 2018

Subject: Science I

Roll No: ____

Name: ______ STD: IX

Marks: 40 Date: 18/04/2018 Time: 2hrs

Q1A.1. State whether the following is true or false:	(3)			
1. Power is a scalar quantity.				
2. Change in momentum occurs in the direction of force.				
3. Sulphate ion is a negatively charged simple radical.				
A.2.Fill in the blanks based on the given relationship.	(2)			
1. Calcium: Ca :: Cadmium :				
2. K.E. : ½ mv² :: P.E. :				
Q1B. Multiple choice questions:	(5)			
1. If the valence shell of an element has 6 electrons, its valency is				
a. 6 b. 2 c. 3 d. 1				
2. Power is the				
a. rate of change of momentum b. rate of doing work				
c. product of force and displacement d. capacity to do work				
3. Acceleration is the rate of change of with respect to time.				
a. speed b. displacement c. distance d. velocity				
4. Positively charged ions are called				
a. cation b. anion c. electrons d. neutrons				
5. All instances of inertia are examples of Newton's				
a. First law of Motion b. Second law of Motion c. Third law of Motion d. Law	of Momentum			
Q2. Answer the following questions (Any 5)	(10)			
1. What is electric current? Write its formula.				
2. Write the chemical equation when dilute nitric acid was added to calcium oxide.				
3. Observe the figure and state the rule for drawing the following ray diagram.				

4. Give scientific reason why the roof of a movie theatre is curved. 5. Write uses of diamond. 6. What type of colours will you use to celebrateecofriendly Rang Panchmi? Why? 7. Define – Radioactivity. Q3. Answer the following questions (Any 5) (15)1. Radioactive substances are relevant to our day to day life. Mention hazards of radioactive substances and radiation. 2. Differentiate between crystalline and non – crystalline forms of carbon. 3. Observe the given figure and answer the questions: (i) Identify the machine. (ii) State the use of the above machine. 4. Show the dissociation of the following compounds on dissolving in water, with the help of chemical equation and write whether the proportion of dissociation is small or large. Magnesium chloride, Acetic acid, Potassium hydroxide, Hydrochloric acid, Copper sulphate, Ammonia. 5. What are the different types of coal? What are their uses? 6. Draw a well labeled electric circuit diagram 7. Choose the correct alternative and complete the following paragraph: (Convex, concave, vertical, erect, larger, positive, smaller, negative) The mirrors used in cars and motorcycles are _____ mirrors. In these mirrors, the image of a face is ___ ____. The special mirror which is used for shaving is a _____ mirror. When held close to the face, it gives _____ and _____ image of the face. Q4. Attempt the following (Any 1) (5) 1. Read the following paragraph and answer the questions based on it: Animal dung, dry leaves, wet garbage get decomposed by anaerobic microbes in a biogas plant. It takes place in two stages. The microbes act on the biodegradable complex organic compound and produce organic acids. The methanogenic bacteria act on the organic acids to produce methane gas. This methane gas is also known as biogas. Biogas is a very cheap fuel option which meets the demand for cooking gas. It is also used for production of electricity. Biogas contains about 55% to 60% methane and the rest is carbon dioxide. Biogas is a fuel which is convenient to use and very good manure is also produced as a side product of the process. (i) Name the gas produced in a biogas plant. (ii) Explain how the gas is produced in biogas plant. (iii) Write any two use of biogas. (iv) Write the composition of gases in biogas.

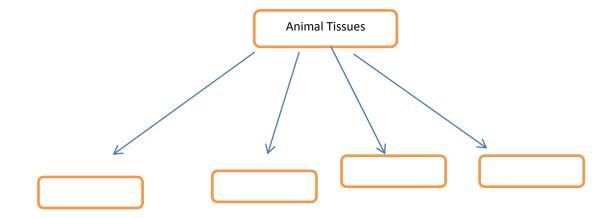
2. What sign conventions are used for reflection from a spherical mirror?				

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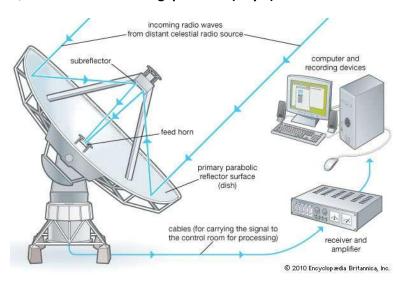
III Term Re-Exam 2017- 2018

Subject: Science II						
Name: STD: IX Roll No:						
Marks:	Marks: 40 Date: 19/04/2018 Time:					
Q1A. 1. Co	mplete the following st	atements: (3)				
1. Toxins of	f fungal origin are called					
2	plants have soft and	d fibre like body.				
3. The flow	of nutrients is	·				
A.2.Match	the column		(2)			
	A	В				
	1. Dandruff	a. production of antibio	tics			
	Penicillium Herbivores	b. Primary consumers c. Nephrolepis				
	4. Pteridophyta	d. Fungi				
Q1B. Mult	iple choice questions:	- · · · · ·		(5)		
1. Moss is a	an example of Division _					
a. Pteridop	hyta b. Bryophyta	c. Thallophyta	d. Gymno	osperms		
2. Oxygen i	s released into the atmo	osphere by the biotic pro	cess of			
a. volcanic	activity b. forest fire	c. photosynthesis	d. burnin	ng of fossil fuel		
3. Conversi	on of ammonia into a n	itrite and then nitrate is k	nown as _			
a. Denitrific	cation b. Nitrification	c. Ammonification	d. Nitro	gen fixation		
4	lives in the roc	ot nodules of the legumin	ous plants			
a. Rhizobiu	m b. Staphylococ	cus c. Clostridium	d. Lactoba	acilli		
5. The proc	ess in which the cells co	onvert carbohydrates into	alcohol ar	nd carbon dioxide is known as		
a. Bio-remediation b. Fermentation c. Budding d. Symbiosis						
Q2. Answer the following questions (Any 5) (10)						
1. Write in short about Non-biodegradable waste.						
2. What precautions should be taken while using various types of software on the software?						
3. Name any four endocrine glands and hormones secreted by them.						
4. What are the symptoms of Sickle cell Anaemia .						
5. Define – Tissue Culture						
6. Complete the table –						
o. Complete the table –						



7. Which type of telescopes can be made using a concave mirror, convex mirror, plane mirror and a lens?

Q3. Answer the following questions (Any 5)



- 1. Study the above given figure and answer the following questions
- (i) What type of telescope is shown in the figure?
- (ii) Explain the construction of the above telescope.
- 2. Complete the following paragraph with given alternatives:

(boiling water, hydrochloric acid, mulberry plant, orchid plant, Bombyx mori, pupa, cocoon, salivery glands)

is the most commonly used variety	\prime for production of silk.The life cycle of the silk moth consist of four
stages, namely egg, larva, and adult. Thousa	ands of eggs deposited by female moths are incubated artificially.
Larve hatching out of eggs are released on	After feeding for 3 – 4 days, larvae move to branches of the
plant. The silk htread is formed from the secretion of t	their Larvae spin this thread around themselves
to form a Before ten days, it is transferr	red into to loosen up silk fibres.

- 3. Distinguish between weather and climate.
- 4. Draw a well labelled diagram of Structure of brain.
- 5. Write a brief note on RNA.
- 6. How does a computer work?
- 7. What is meant by 'Chromosome'. Explain its types.

Q4. Attempt the following (Any 1)

(5)

(15).

- 1. Explain Mendel's monohybrid progeny with the help of any one cross.
- 2. Study the given figure and answer the questions based on it:

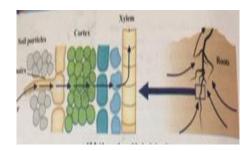


Fig (1)

- (i) Name the transportation process shown in the figure
- (ii) Explain in short the transportation process shown in the above figure.