

*Thakur Educational Trust's (Regd)*

THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE

I Terminal Exam. 2016- 2017

Subject: English.

Name: \_\_\_\_\_ STD: IX Div: \_\_\_\_\_ Roll No: \_\_\_\_\_

Marks: 80 Date: 24/09 /2016 Time:2hrs 45 mins.

**SECTION I- PROSE - (Reading Skills, Vocabulary and Grammar)**

**Q1 A. Read the following passage and do the activities: (10)**

**A1. Fill in the blanks by choosing the correct alternative and rewrite the sentences:**

(2)

- i) When the term ended, Aditi's came \_\_\_\_\_ in the class.  
a) first ; b) fourth ; c) second ; d) third.
- ii) She received encouragement and respect from her \_\_\_\_\_ which made her try even more harder.  
a) teachers; b) friends ; c) parents ; d) sister.
- iii) My \_\_\_\_\_ powers rose.  
a) concentration ; b) concentration ; c) determination.
- iv) I was on a upward spiral because of- \_\_\_\_\_.  
a) a peer ; b) parents ; c) teachers

For the next six months, she taught me patiently, before classes began, during lunch breaks, at times even after the day gave over. She made the subjects interesting, explained concepts, gave me home-work and religiously corrected what I'd done every morning. I developed the habit of reading, my concentration powers rose. When that term ended, I came fourth in my class!

Yes, she did prove to me that I had brains, but more importantly she taught me that if I put my mind to it. I could do anything I wanted.

Securing good grades brought me many privileges. I became my teachers' favourite pupil. For my part, I started enjoying classes. I received encouragement and respect from my teachers, and this made me try harder. As a result I did even better. While initially I was in a vicious downward spiral, now it seemed I was on a upward one..... and all because of peer who was interested enough and believed in a shy, uncommunicative girl!

Aditi and I kept in touch till we moved to separate colleges and eventually different cities.

I grew up and decided to be a teacher too. I went on to graduate, then did my postgraduate in teacher's training for special children. Today, I'm considered the smart one in the family!

**A2. Complete the following :-**

(2)

i) She taught Pushpa patiently	Making the ----- interesting, explaining-----
ii) Securing good grades brought Pushpa many privileges such as....	Becoming the teacher's-----. Receiving -----from teachers.

**A3.i) Pick out words from the passage which mean:**

(1)

a) honestly and sincerely      b) unable to express oneself.

ii) Give the verb forms of:- i) concentration .      ii) co-ordinator.

(1)

**A4. Grammar :-**

i) I received encouragement and respect from my teachers. (Rewrite using 'not only-----but also')  
(1)

ii) Today, I am considered the smart one in the family. (Add a Question tag)  
(1)

**A5. Do you feel a mentor or guide can change the course of one's life? Justify your answer**  
(2)

**Q1 B Read the following passage and do the given activities**

(10)

**B1. State whether the following statements are true or false.**  
(2)

- i) The writer having spent a lot of money for the refills, had them confiscated.
- ii) It took the writer an entire week to get the ceramic paint.
- iii) The writer bought the ties the day he reached New York.
- iv) Gilson had asked the writer to get him a tie with an embroidered 'G' on it.

"Oh, so you are going abroad? Can you bring me back....? I've been asked to bring back a vaccine for a horse. Once I searched the suburbs of Paris for two days for a special brand of ceramic paint. Having spent a lot of money for Cartier lighter refills, I had them confiscated at the airport just before boarding because the gas might be dangerous in the air.

Now two months before a trip, I stop talking to people, so they won't suspect I'm going to travel. But someone always catches me. "I've heard you're going to New York, and want you to get something for me. It's just a little thing you can find anywhere. I don't know exactly how much it costs, but it shouldn't be much. We'll settle up when you get back."

**B2. Answer the following :**

i) What was confiscated?

(1)

ii) Who was going to New York?

(1)

**B3.i)** Make a meaningful sentence using the phrase - '**to be confiscated**'.

(1)

ii) Give the antonyms of: i) always

ii) arrival

(1)

**B4. i)** I have been asked to bring back a vaccine (change the voice).

(1)

ii) Once I searched the suburbs \_\_\_\_\_ Paris \_\_\_\_\_ a special brand of ceramic paint.

(Fill in with suitable prepositions).

(1)

**B5.** How do you think people always come to know about the author's travel abroad?

(2)

-1-

**Q2 A) Read the following passage and do the given activities :**

**(10)**

**A1.** Fill in the blanks with suitable words from the passage:

(2)

i) My lack of ----- is my strength.

ii) Last -----Maggu s represented -----at the International Blind sports Association.

iii) ----- a special school would have tarred me.

An International sprinter, a national swimming gold medalist, sports president and captain of the athletics team of Delhi's high profile lady Shri Ram College. That's Jyoti Maggu (24), a visually challenged student enrolled in the bachelor of Arts (journalism) programme of the college. Last winter Maggu represented India at the International Blind Sports Association (IBSA) Games in Quebec, Canada.

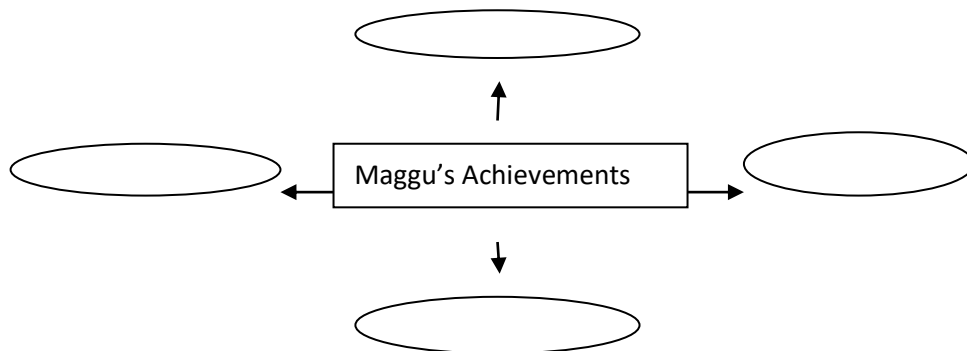
"My lack of vision is my strength," says Maggu, who lost her eyesight due to retina pigmentation at the age of ten. "I believe in constantly raising the bar for myself."

Maggu's achievements are particularly noteworthy because- as is well -known academic institution in India are less than sold on the idea of inclusive education. In fact, when Maggu lost her sight in class IV, her school(Which she declines to name) expelled her while suggesting she attend a : blind school," though shocked Maggu rejected the advice. " Attending a special school would have tarred me with a handicap forever, which was not how I saw my future. Therefore I did the rounds of other public schools with my father, a small time merchant, explaining that my case was different since I had a vision till the age of ten," she recalls.

Impressed by her persistence and ambition, Delhi's Bluebell School not only admitted her but pulled out all the stops to support her in academics and in sports.

**A2.** i) Complete the web with the help of the passage.

(2)



**A3** .i) Match the words that collocate meaningfully:

(1)

A	B
1) inclusive	a) institution
2) academic	b) pigmentation
	c) education

ii) Give the noun forms of :-

i) enroll

ii) suggesting

(1)

**A4.** i) An international sprinter, a national swimming gold medalist, sports president and captain of the

athletics team. (Pick out the Articles )

(1)

ii) My lack of vision is my strength (Frame a 'wh' question to get the underlined part as the answer)

(1)

**A5.** How would you feel if you were treated like Jyoti Maggu?

(2)

**Q2 B. Read the following passage and do the given activities:**

**(10)**

**B1.** Choose the right word from the bracket and fill in the blanks:

(2)

(postal, written , didn't make, messenger, improved)

- i) Common people were able to send ----- messages to friends and relatives.
- ii) ----- services were set up between important cities
- iii) Pigeon's ----- many mistakes.
- iv) Over a period of time, means of transport----- .

Another interesting technique used in the past was the pigeon-service. letters were put in tiny boxes and tied to the legs of the pigeons. The pigeons then carried them unerringly to their specific destinations. What a lovely messenger to bring you your letters!

Later, messenger services were set up between important cities. This was a horse and foot-runner service by which written messages were relayed from place to place. The letters or the 'mailbag' was passed on from messenger to messenger at specific points. This way, one messenger didn't have to travel long distances and yet the messages could be carried to a faraway destination.

Over a period of time, means of transport improved. more and more people learnt to read and write. Postal services were started. It become possible even for the common people to send written messages to their friends and relatives in far-off places.

**B2. Complete the following :-**

(2)

Service offered	Describe the service
a) Pigeon Service	
b) postal Service	

**B3. Pick out four adjectives from the passage.**

(2)

**B4. i) What a lovely messenger to bring you your letter's !(Rewrite beginning with It is -----)**  
(1)

ii) Letters were put in tiny boxes and tied to the legs of the pigeons.

(Rewrite beginning with 'Weren't letters put -----' ).

(1)

**B5. According to you what are the latest means of communication.**

(2)

-2-

## SECTION – II (Poetry)

**Q3 A. Read the following extract and do the given activities :-**

(5)

**A1. Match the phrases with the meanings :**

(2)

<b>Journey</b>	<b>Life</b>
i) Beginning of a journey	a) Death/passing away
ii) Stations/stops in a journey	b) Pains/ suffering/illness
iii) Problems/ obstacles in a journey	c) Childhood/adolescence
iv) Reaching the final destination	d) Birth of a person

Life is but a stopping place,  
a pause in what's to be,  
A resting place along the road,  
to sweet eternity.

We all have different journeys,  
different paths along the way,  
We all were meant to learn some things  
but never meant to stay.....

Our destination is a place,  
far greater than we know.  
For some the journey's quicker,  
for some the journey's slow.

And when the journey finally ends,  
We'll claim a great reward,  
And find an everlasting peace,  
together with the Lord.

**A2.i) Where does the life go to?**

(1)

ii) Write the Rhyme Scheme of the poem.

(1)

**A3.i) Name and explain the figures of speech:**

And when the journey finally ends  
(1)

**Q3B. Read the following extract and do the given activities:** (5)

**B1.** Complete the following lines:  
(2)

- i) It's making money-----.
- ii) Dreaming a little -----

It's doing your job the best you can,  
And being just to your fellow man;  
It's making money-but holding friends,  
And being true to you aims and ends.

It's figuring how and learning why,  
And looking forward and thinking high;  
And dreaming a little and doing much;  
It's keeping always in closest touch.

With what is finest in word and deed,  
It's being through, yet making speed;  
It's daring blithely the field of chance,  
While making labour a brave romance.

**B2.i)** How should we look at success? (1)

ii) Pick out the rhyming words from the above stanzas.  
(1)

**B3.**Name and Explain the Figure of speech. (1)

And dreaming a little and doing much. (1)

### SECTION – III (Rapid Reader)

**Q4) A Read the following passage and do the activities:**

**(5)**

**A1.** Complete the following sentence:

**(1)**

i) Nasruddin had come to the house to \_\_\_\_\_.

ii) Mullah humbly walked behind the man \_\_\_\_\_.

A month went by. One evening they heard a knock on the door. It was Nasruddin, with head bowed. "Oh Mullah, where have you been? We were wondering about you," lied the crooked man. Nasruddin explained that he had come to worship his nail and the man agreed to let him into the house. Mullah humbly walked behind the man, bowed in front of the nail and put his hat on it. As he was about to leave the man questioned him. "Hey, hey, what is that doing there?"

"That's my hat."

"Yes, but you can't leave it in my house."

"Of course I can" said the Mullah as he headed towards the door. "It is on my nail."

Two weeks passed before Mullah Nasruddin's next visit.

"Ah, good morning Mullah. You have come to take back your hat, I presume."

**-3-**

"NO thank you, my dear friend. I have come to worship my nail." Once again he bowed before the nail and after his worship finished, he hung a scarf with his hat and turned to leave.

**A2. i)** Write down two sentences from the above passage which show that the crooked man lied?

**(1)**

ii) Why did you think that Nasruddin put the clause in the contract that 'He be allowed to do whatever he wants with the nail'.

**(1)**

**A3.** Do you feel sympathy for the neighbour? Why?

**(2)**

**SECTION – I V (Writing Skills)**

**Q5 A Letter Writing:**

**(5)**

**A1.** The following is the part of an interview published in a magazine.

----- Most children have forgotten to respect their elders. They misbehave in the classroom; to the extent of throwing paper balls and paper rockets in class

Write a letter of advice to your brother/sister who is in the boarding school to be well-behaved in the

school



OR

**A2.** Use the situation given in the above article, write an apology letter to your teacher.

**Q5.B Dialogue Writing/ Interview writing(any one)** (5)

**B1.** Develop a dialogue between you and your mother discussing on the peer pressure and its effect on one's life

OR

**B2.** Imagine that you are going to interview an artist staying in your locality. Prepare 10 questions that you

would like to ask him/her.

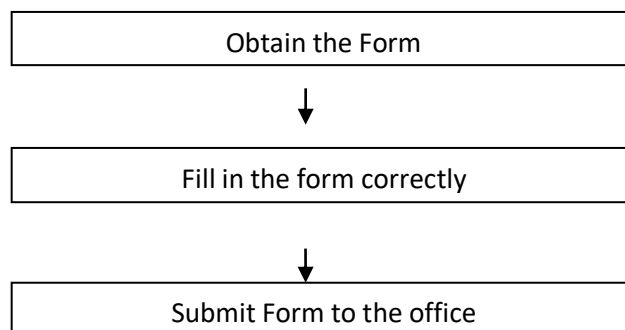
**Q6A Information Transfer / Fact File/ Tourist Leaflet:** (5)

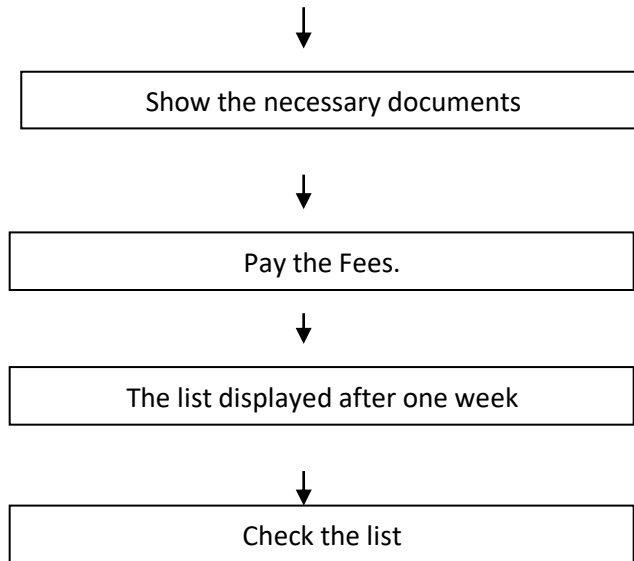
**A1.** M.S Subulakshmi wore traditional kanjeevaram sarees to her shows with grace that epitomised the cultural ethics of South India. The larger KumKumam mark on her forehead, along with the dazzling pair of diamond nose rings became her style statement that many women tried to emulate with fresh jasmines adorning her carefully coiffured hair, she would sit in the centre of her complete entourage on the stage like a majestic queen. With a perfect Namaskar, she greeted her audience

Name	
Dress	
Forehead	
Nose	
Hair	
Sitting pose	
Greeting	

OR

**A2.** Study the following flow-chart of the admission process and write a paragraph based on the information given .





**Q6B Speech Writing:**  
**(5)**

**B1.** Imagine you are asked to deliver a speech just before the First Term Examination on 'Study Habits'. Draft a speech for the same. You may take help of the following points.

- i) Prayer;      ii) Thank Alma Mater;    iii) Timings;      iv) Text books;    v) Guidance;  
vi) Self discipline;      vii) Component of studying.

OR

**B2.** Prepare a Speech to be delivered in your school on occasion of Teacher's Day speak about the 'Inspirations in your Life'

**Q7A Expansion of Ideas**

**(5)**

Expand any one of the following ideas.

- i) Every dark cloud has a silver lining.  
ii) There's no time like the Present.

**\*\*\*\* ALL THE BEST\*\*\*\***

Thakur Educational Trust's (Regd)  
THAKUR VIDYA MANDIR HIGH SCHOOL & JR. COLLEGE  
ISO : 9001-2008 CERTIFIED  
I Term Exmination 2016-17

**kxa-rash**

**idark:- 27/09/2016**

**gla: - 80**

**ivaga- sMRa**

**AviG - 2.45 haa**

**raa**

**ivaga kiamla**

**Rapa ivaga - gla**

**pa1A) gVAMz%airadTa kR: kSt.**

**A.1) AvadGa ( kpi2 kR: kSt. )**

**2**

i) ett\vaqM: kMat ?

‘kharad drohiva rnapMda.’

ii) vaqMra k%as%MaAsya[it ilKt.

Anyad%ayagaGaPa.

iii) Jia MaMda%vaqMra kT.

kharat MaM Sa cikt cikt: ya: \_\_\_\_\_.

a) sa kharaiya MpBa\ b) Aayaga kharak TosP: Aat\

ek dAayaga%airadTa kR: kSt. At laSMA sa kharak TosP Aat\ ikn upa kharak Sa t. kharat MaM Sa t d dT cikt cikt: kharaiya v sarad\ t saivara%ayaga%airadTa: caPc\ “sa kharak Sa t d p Ska p Ba Ba kharak Sa t ?” [it. Aaya] > va “kharad drohiva rnapM da. t %ayaga%airadTa: rnapit MaMdrd. ikMaO” [it. Aaya] < nVad lajja: Anyad%ayagaGaPa [it caya%airadTa: “AhMpit idamra [it ivaya%ayaga%airadTa

**A.2) SibaGa ( ka Aip3 kR: kSt. )**

**3**

i) sirGaCdMSt .

pirt MaM = \_\_\_\_\_ + \_\_\_\_\_.

ii) p%ayagaGa kT .

a. dya=\_\_\_\_\_. b. JJa=\_\_\_\_\_.

iii) gVAMz%airadTa kR: kSt. a)\_\_\_\_\_. b)\_\_\_\_\_.

iv) ivadMa kT a)\_\_\_\_\_ ca. b)\_\_\_\_\_ caya.

**A.3) kiamla y%airadTa ilKt.**

**2**

i) Aayaga%airadTa.

ii) ca lajja:.

iii) ca p%at.

iv) Aaya] > va

**pa1A) sMRa%airadTa kR: kSt.**

*Thakur Educational Trust's (Regd.)*  
Thakur Vidya Mandir High School & Junior College

I Terminal Exam 2016-2017

Subject: Algebra

Name: \_\_\_\_\_ Std. : IX Div : \_\_\_\_\_ Roll No: \_\_\_\_\_  
Marks : 40 Date : 30/09/2016 Time : 2 hrs.

**Q.1. Attempt any 5 sub-questions from the following.**

[5]

- 1) Write in set builder form  
i)  $k = \{ 15, 24, 33, 42, 51, 60 \}$
- 2) Give an example of a set which can be written in the set builder form but cannot be written in the roster form.
- 3) Write the order of surd  $\sqrt[3]{(9)^2}$ .
- 4) Write the degree of each of following polynomials . i)  $4p - \sqrt{5}$  ii)  $5x^2yz^3 + xy^4z^2$
- 5) Write the conjugate of following surd and find the product  $3\sqrt{2} - 2\sqrt{3}$ .
- 6) Find the Zero of the polynomial  $p(x) = 3x - 6$ .

**Q.2. Solve any 4 questions out of 6.**

[8]

- 1) Find the value of following determinants  $\begin{vmatrix} 1/2 & -2/3 \\ 3/4 & -4/5 \end{vmatrix}$
- 2) Find the square root of  $11 - \sqrt{96}$
- 3) Let  $A = \{1, 3, 5, 6, 7\}$   $B = \{4, 6, 7, 9\}$  then verify the following.  
 $n(A \cup B) = n(A) + n(B) - n(A \cap B)$ .
- 4) Divide the first expression by the second. Write the quotient and the remainder.

$$a^2 + 2 + \frac{1}{a^2} ; a + \frac{1}{a}$$

- 5) Simplify :-  $(\sqrt{5} + \sqrt{2})(\sqrt{5} + 3\sqrt{2})$
- 6) Using remainder theorem, find the remainder when  $x^3 - ax^2 + 2x - a$  is divided by  $x - a$ .

**Q.3. Solve any 3 sub-questions from the following.**

[9]

1) Solve the following simultaneous equation using Cramer's rule.

$$3x - 2y = 3 ; 2x + y = 16$$

2) Use synthetic division method for performing the following division & write the result in the form : Dividend = Divisor x Quotient + Remainder.

$$(y^3 + 343) \div (y + 7)$$

3) Simplify.  $\sqrt[6]{12} \div (\sqrt{3} \sqrt[3]{2})$

4) Factorise  $(2m + 3n)^3 - (3m + 2n)^3$

**IV) Solve any 2 questions out of 3**

**(8)**

1) A T.V survey says 136 students watch only programme  $P_1$ , 107 watch only programme  $P_2$ , 27 watch only programme  $P_3$ , 25 students watch  $P_1$  and  $P_2$  but not  $P_3$ , 37 watch  $P_2$  and  $P_3$  but not  $P_1$ . 53 students watch  $P_1$  and  $P_3$ , but not  $P_2$ , 40 students watch all three programmes and 80 students do not watch any programme. Find, with the help of Venn diagram.

i) Number of  $P_1$  viewers.

ii) Number of  $P_2$  or  $P_3$  viewers.

iii) Total number of viewers surveyed.

2) If  $\frac{\sqrt{2} + \sqrt{3}}{3\sqrt{2} - 2\sqrt{3}} = a - b\sqrt{6}$ , find the value of a and b.

3) Find the zeroes of following quadratic polynomial and verify the relationship between the zeroes and the coefficients  $x^2 + 10x + 16$

**V) Solve any 2 question out of 3**

**(10)**

1) Solve the following simultaneous equation using graphical method.

$$4x = y - 5 ; y = 2x + 1$$

2) Rationalize the denominator  $\frac{\sqrt{a+x} + \sqrt{a-x}}{\sqrt{a+x} - \sqrt{a-x}}$

3) Factorise :  $y^6 + 32y^3 - 64$

**All the Best**

Thakur Educational Trust's (Regd.)  
Thakur Vidya Mandir High School & Junior College  
(ISO 9001:2008 CERTIFIED)

**I Terminal Exam 2016-2017**

Std. : **IX**

Sub. : **Geometry**

Marks : **40**

Date : 03/10/2016

Time : 2 hrs.

**Q.1. Attempt the following (any 5).**

**[5]**

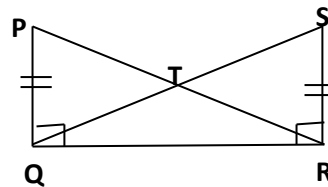
- 7) The co-ordinates of points P and Q are  $-8$  and  $-3$  respectively. Find  $d(P, Q)$
- 8) In  $\triangle GMT$ , if  $m\angle M = 76^\circ$  and  $m\angle T = 48^\circ$  find  $\angle G$
- 9) In  $\triangle PQR$ ,  $Seg PQ \cong Seg QR$  and  $m\angle P = 70^\circ$ , then find  $m\angle R$
- 10)  $\triangle ABC \sim \triangle PQR$ ,  $AB = 10\text{ cm}$ ,  $BC = 9\text{ cm}$ ,  $AC = 8\text{ cm}$ ,  $PQ = 5\text{ cm}$  find  $QR$
- 11) The length, breadth and height of a cuboid are 10cm, 6cm, 13cm respectively. Find Volume of Cuboid.

**Q.2. Attempt the following. (Any 4)**

**[8]**

- 3) If  $m\angle XPY = 135^\circ$ ,  $m\angle XPZ = 175^\circ$  and point Y is in the interior of  $m\angle ZPX$  then find  $m\angle YPZ$
- 4) In  $\triangle MNK$ , if  $\angle M + \angle N = 125^\circ$  then find  $m\angle K$

- 5) In the figure given below, some congruent parts are indicated by identical marks. Prove that  $\triangle PQR \cong \triangle SRQ$

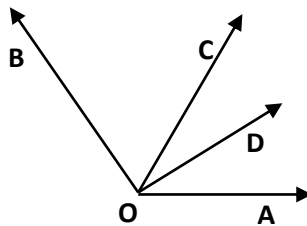


- 6) Draw a circle of radius 3.5 cm. Take any point K on it. Draw a tangent to the circle at K.
- 7) The height and volume of a cone are 18cm and  $924\text{ cm}^3$  respectively. Find the radius of the cone.

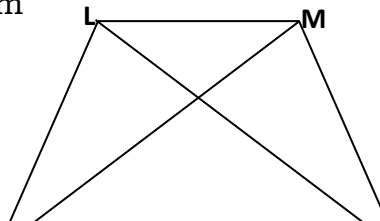
**Q.3. Attempt the following. (Any 3)**

**[9]**

- 1) Ray OC bisects  $\angle AOB$ ,  
Prove that .  
 $m\angle COD = \frac{1}{2} [m\angle BOD - m\angle AOD]$



- 2) In the figure,  $\square LMNP$  is a trapezium



in which seg  $PQ \parallel$  Seg LM,  
if  $PQ = 12$ ,  $LA = 5$ ,  $LM = 8$ ,  
show that

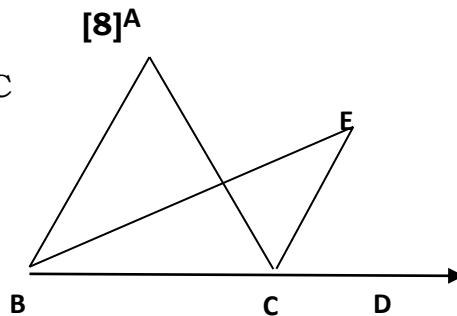
- i)  $\triangle LAM \sim \triangle NAP$
- ii) Find AN

3) Draw a tangent to the circle with centre O and radius 3.3cm from a point A. Such that  $d(O,A) = 7.5\text{cm}$ . Measure the length of tangent segments.

4) The radius and height of a cylinder are in the ratio 3 : 7 and its volume is  $1584 \text{ cm}^3$ . Find its radius.

**Q.4.) Attempt the following. (Any 2)**

- 1) In the given figure side BC of  $\triangle ABC$  is produced to D. The bisectors BE and CE of  $\angle B$  and  $\angle ACD$  respectively meet at the point E. Then Prove that  $\angle E = \frac{1}{2} \angle A$

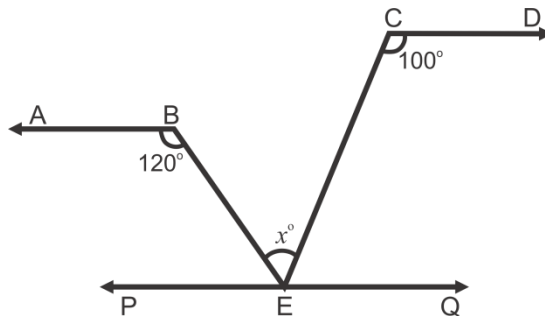


- 2) If two sides of the triangle are not congruent then angle opposite to the greater side is greater. Prove it.
- 3) A test tube has diameter 20mm and height is 15cm. The lower portion is a hemisphere. Find the capacity of the test tube. ( $\pi = 3.14$ )



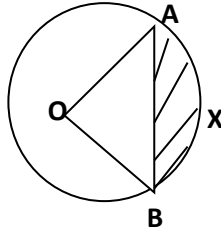
**Q.5. Attempt the following (Any 2).**  
[10]

- 1) In the adjoining figure,  $AB \parallel CD$ ,  
Find the value of  $x$ .



2)  $\Delta AMT \sim \Delta AHE$ , In  $\Delta AMT$ ,  $MA = 6.3 \text{ cm}$ ,  $\angle MAT = 120^\circ$ ,  $AT = 4.9 \text{ cm}$  and  $\frac{MA}{HA} = \frac{7}{5}$ ,  
construct  $\Delta AHE$ .

3) In the figure, If  $\angle AOB = 60^\circ$  and radius is  $12 \text{ cm}$ , Find area of segment  $AXB^\circ$   
(  $\pi = 3.17$ ,  $\sqrt{3} = 1.73$ )



*Thakur Educational Trust's (Regd)*

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I Terminal Examination. 2016- 2017

Subject: Science & Technology - II

Name: \_\_\_\_\_ STD: IX Div: \_\_\_\_\_ Roll No: \_\_\_\_\_

Marks: 40  
2Hrs.

Date: 01/10/2016

Time:

**Q1 A) a) Fill in the blanks:-**

**(3)**

- 1) The movements exhibited by plants in response to the stimuli of touch are called \_\_\_\_\_ movements.
- 2) A colloid is a mixture where size of the particles is less than the size of the particles in \_\_\_\_\_.
- 3) The compound mercuric oxide decomposes into elements \_\_\_\_\_ & \_\_\_\_\_ on heating.

**b) State whether the following statements are True or False. Correct the false statement:**

**(2)**

- 1) The cell wall is selectively permeable membrane .
- 2) Endocytosis means throwing out waste and secretory materials.

**B) Fill in the blanks by choosing the correct alternatives and Rewrite the completed statement: -**

**(5)**

- 1) Plasma membrane is about \_\_\_\_\_ A<sup>0</sup> in the thickness.  
a) 10            b) 20            c) 50            d) 70
- 2) Robert Hooke discovered the cell in the year.  
a) 1665            b) 1674            c) 1831            d) 1839
- 3) Involuntary body activities in human beings are controlled by the \_\_\_\_\_.  
a) Cerebrum            b) Spinal cord  
c) Medulla oblongata    d) Peripheral Nerves.
- 4) The \_\_\_\_\_ hormone does not belong to plants.  
a) Gibberellins    b) Cytokinins    c) Auxins            d) Thyroxin
- 5) There are \_\_\_\_\_ atoms of oxygen in Potassium Permanganate.  
a) 3            b) 2            c) 4            d) 1

**QII) Attempt the following (any 5): -**

**(10)**

- 1) Why do cells have different shapes?
- 2) Give Scientific reason 'cell is called the structural and functional unit of life'.
- 3) What is a Nerve? What does it composed of? State their functions.
- 4) How do plants transfer information from one cell to another? What do you mean by Afferent Nerves?
- 5) Water is a compound. Justify the statement.
- 6) What do you mean by green house gases? How are chlorofluoro carbon released into the Environment?

**QIII) Attempt the following (any 5): -**

**(15)**

- 1) Explain the functions of Golgi complex. Name the scientist who invented Golgi-complex.
- 2) State the functions of the Cerebrum or Forebrain.
- 3) Explain the effects of Radioactive pollutants.
- 4) What are the effects of Air Pollution on Human body?
- 5) Draw neat and Labelled diagram of Mitochondria. Explain the functions of Mitochondria.
- 6) Distinguish between Mixture & Compound.

**QIV) Attempt the following (any one)**

**(5)**

- 1)
  - i) Draw neat and labelled diagram of Internal structure of chloroplast.
  - ii) Explain the functions of SER, in the organ Liver.
  - iii) What do you mean by Cytosol?
- 2)
  - i) Draw neat and labelled diagram of prokaryotic Cell.
  - ii) What do you mean by demolition squad of the cells?
  - iii) State the functions of Cerebellum or Hind brain.

THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE

I Terminal Examination. 2016- 2017

Subject: Science & Technology - I

Name: \_\_\_\_\_ STD: IX Div: \_\_\_\_\_ Roll No: \_\_\_\_\_

Marks: 40

Date: 28/09/2016

Time: 2Hrs.

**QI) A) a) Fill in the blanks:-**

**(3)**

- 1) The tendency of a body to resist acceleration is called \_\_\_\_\_.
- 2) In case of \_\_\_\_\_, an object covers unequal distance in equal intervals of time.
- 3) Elements showing properties of both \_\_\_\_\_ & \_\_\_\_\_ are known as metalloids.

**b) State whether the following statements are 'True or False' and Rewrite the Correct statements : -**  
**(2)**

- 1) Isotopes have same atomic mass but different atomic number.
- 2) The arrangement of elements in a group of three is known as octave.

**B). Rewrite the following statements by selecting the correct options :-**

**(5)**

1. \_\_\_\_\_ element belongs to Zero Group.  
a. Magnesium   b) Sodium   c) Chlorine   d) Neon
2. The nucleus of an atom contains 18 protons and 22 neutrons. The atomic number (z) of the element is .....  
a) 18   b) 40   c) 22   d) 4
3. Acceleration is the rate of change of \_\_\_\_\_ with respect to time.  
a) Speed   b) displacement   c) distance   d) velocity.
4. 1 Newton = \_\_\_\_\_ dynes.  
a) 1000   b) 100   c)  $10^5$    d)  $10^7$
5. If a force of 2 N acts on a body of mass 0.5 kg. the acceleration produced in the body is \_\_\_\_\_.  
a)  $2.5\text{m/s}^2$    b)  $1\text{m/s}^2$    c)  $0.25\text{m/s}^2$    d)  $4\text{m/s}^2$

**QII) Attempt the following: - (any 5 )**

**(10)**

- 1) What do you mean by "Triads"? Explain with the help of examples.
- 2) Give scientific reason. An atom is electrically neutral though it contains charged particles.
- 3) i) What do you mean by distance and displacement?  
ii) Complete the following table : (With calculation steps)

U (m/s)	a(m/s <sup>2</sup> )	t(sec)	V(m/s)
0	5	5	—
—	1	8	16

- 4) State Newton's Second Law of Motion. What do you mean by 1 Dyne?
- 5) Define momentum. Calculate the acceleration produced when a force of 350 N acts on a body of mass 500 kg.
- 6) i) Give Scientific reason- Elements in the same group show same Valency .  
ii) What is atomic radius?

**QIII) Attempt the following: - (any 5 )**

**(15)**

1. Explain the Merits of Mendeleev's Periodic Table.
2. When a body falls freely to the ground, its motion has a uniform acceleration. Explain the reason.
3. Distinguish between Force & Momentum.
4. Derive the Kinematic Equation for a moving object to express Velocity- Time relation.
5. What do you mean by "Inertia of Direction". Explain with the help of example.
6. It is advised to tie any luggage kept on the roof of the bus with a rope. Give Scientific Reason.

**QIV) Attempt the following :- ( any one )**

**(5)**

- I) a) A railway Wagon of mass 2500kg moving with a Velocity 36km/hr, has a head-on collision with a stationary Wagon of mass 3000kg. If the two Wagons move together after collision, calculate their common velocity after collision.
- b) Rewrite the following table so as to match the second and third column with the first column:

Column -1	Column -2	Column -3
1) Newton's First law of Motion	a) Describes the relationship between the forces on two interacting objects.	A) In a high jump athletic event, the athletes are made to fall on a sand bad.
2) Newton's Second Law of Motion	b) Gives an Idea of the effects of force.	B) motion of Rocket.
3) Newton's Third law of Motion.	c) Also called as law of Inertia.	C) Only the carrom coin at the bottom of a pile is removed when a fast moving striker hits.

2)a) Write Short Note on -

"Rutherford's Scattering Experiment".

- b) Draw neat & labelled diagram for the above experiment.
- c) What do you mean by One Dalton? Express the value of One Dalton.

THAKUR VIDYA MANDIR HIGH SCHOOL& JR.COLLEGE

I Terminal Examination. 2016 - 2017

Subject: History/ Political Science.

Name: \_\_\_\_\_ STD: IX Div: \_\_\_\_\_ Roll No: \_\_\_\_\_

Marks: 40

Date: 29/09/2016

Time:2hrs.

**QI A) Fill in the blanks choosing the correct alternative from the brackets.**

**(3)**

- 1) The \_\_\_\_\_ in the modern period is a result of Industries revolution.( colonialism, mercantilism, imperialism)
- 2) The Arab empire began to \_\_\_\_\_ with the rise of the Turks in 1250 AD. (migrate, degenerate, revolt)
- 3) Mohen-jo-daro is described as the ' \_\_\_\_\_ of dead.' (History, Mountain, Epic)

**QI B) Match the following**

**(3)**

A

- 1) Arabian Nights
- 2) Tarikh-i-Hindi
- 3) Safarnama

B

- a) Ibn- Batuta
- b) Ibn -Khalidun
- c) Harun-ul-Rashid
- 4) Al- Beruni

**QII) Answer the following questions in 25-30 words each (any 2)**

**(4)**

- 1) The discovery of the interior part of Africa did not take place, why?
- 2) Write about the Arab universities.
- 3) State the 'Tri Ratna's in Jainism.

**QIII) Give Reason for the following in 25 – 30 words each(any 2)**

**(4)**

- 1) Arabs turned towards trading.
- 2) Cow was used as a means of exchange by the Aryans.
- 3) Economic imperialism started in Europe.

**QIV) Answer the following questions in 40-50 words each (any-2)**

**(6)**

- 1) Write in detail on the imperialism in Africa.
- 2) Write about the work of Mahaveer.
- 3) Why did Austria announce the war against Serbia?

**QV) Answer i the following questions in 60-80 words each (any-2)**

**(8)**

- 1) What is the meaning of colonisation?
- 2) Explain the reasons of the First World War.

- 3) Write about the contribution of the Arabs to human civilization.

## Political Science

**QVI) Fill in the blanks choosing the correct alternative from the brackets.**

**(3)**

- 1) Politics helps to resolve the \_\_\_\_\_ (differences, issues, problems)
- 2) Citizens get fundamental rights & freedom in \_\_\_\_\_ (politics, democracy, society)
- 3) In democracy, all citizen have \_\_\_\_\_ right to vote.(unequal, equal, direct)

**QVII) Answer in the following in one sentence each (any 3)**

**(3)**

- 1) What is recall?
- 2) Why does disagreement arise?
- 3) Why representative democracy is inevitable?
- 4) What is politics?
- 5) When is referendum adopted?

**QVIII) State giving reasons if the following statements are True or False (any 2)**

**(4)**

- 1) Evolution of the government is possible through the study of politics.
- 2) We cannot live without politics.
- 3) To propose a law is the responsibility of legislative in India.

**QIX) Answer in 25-30 words (any 1)**

**(2)**

- 1) Why do we study political science?
- 2) Write short note on fundamental right & protection of freedom.

THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE

I Terminal Exam. 2016- 2017

Subject: Geography & Economics.

Name: \_\_\_\_\_ STD: IX Div: \_\_\_\_\_ Roll No: \_\_\_\_\_

Marks: 40  
hrs.

Date: 23/09/2016

Time: 2

**QI) A) Fill in the blanks.**

**(3)**

- 1) \_\_\_\_\_ soil is formed due to intensive leaching by heavy rainfall.
- 2) Rabi season in Maharashtra extends from \_\_\_\_\_.
- 3) Rajasthan plain is known as \_\_\_\_\_ desert.

**B) Match the following.**

**(3)**

**A**

**B**

- |                     |                      |
|---------------------|----------------------|
| 1) Scrub and Thorny | a) Karjat.           |
| 2) Devani           | b) Babul, Cactus.    |
| 3) Research on rice | c) Sandalwood, Palas |
|                     | d) Indigenous Cow    |

**QII) A) Give geographical reasons for the following. (Any-2)**

**(4)**

- 1) Ground water level is low in the Central Maharashtra.
- 2) Average productivity of agriculture is less in Maharashtra.
- 3) Solapur district is leading in jowar production.

**B) Write short notes on. (Any-2)**

**(4)**

- 1) Fresh water fishing.
- 2) Orange production in Maharashtra.
- 3) Characteristics of North Indian Plains.

**QIII) A) Answer the following questions in short. (Any-1)**

**(2)**



- 1) What is meant by occupation? Give examples of primary occupations?
- 2) What are Kharif crops?

**B) Mark and name the following on the outline map of Maharashtra. Give Index. (Any- 2)**  
**(2)**

- 1) A district leading in the production of oranges.
- 2) A district leading in the production of cotton in Marathwada region.
- 3) The district famous for the production of bananas.

**C) Observe the map given below and answer the questions that follow : (Any -2)** **(2)**

- 1) Name two districts predominantly known for Iron-ore.
- 2) Name two districts known for Bauxite mineral.
- 3) Name two districts known for coal.

**QIV) Answer the following questions in detail (Any-2)** **(8)**

- 1) What are quaternary occupations? Explain their characteristics.
- 2) Write about the cultivation of sugar cane in Maharashtra.
- 3) Why wool industry has developed in Rajasthan?

## **ECONOMICS**

**QV) Fill in the blanks** **(2)**

- 1) \_\_\_\_\_ is considered the 'Father of Economics'.
- 2) \_\_\_\_\_ is the root cause of economics problem.

**QVI) Answer the following in one or two sentences (Any-3)** **(6)**

- 1) Why is economics considered to be a Social Science?
- 2) What is supply?
- 3) What is price?
- 4) What are the changes that came about in the wants of human beings?

**QVII) Answer the following questions in detail (Any-1)** **(4)**

- 1) What is economics? State and explain Lionel Robbins' definition of economics.

2) What are the human wants? Explain their characteristics.

THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE

I Terminal Exam 2016- 2017

Subject: I.C.T

Name: \_\_\_\_\_ STD: IX Div: \_\_\_\_\_ Roll No: \_\_\_\_\_

Marks: 40

Date:04/10/2016

Time:2 hrs

**QI) Fill in the blanks:-**

**(5)**

- 1) The use of ICT offers \_\_\_\_\_, affordable and convenient tools for education.
- 2) ICT can overcome geographical barriers to reach educational.
- 3) Internet uses \_\_\_\_\_ communication technologies.
- 4) Borders shading and Page borders are highly customizable features used in the creation of \_\_\_\_\_.
- 5) The tool to repeatedly apply a selected character or paragraph formatting is called the \_\_\_\_\_.

**QII) State whether the following statements are True or False.**

**(5)**

- 1) Pressing the Backspace key once deletes the words preceding the insertion point.
- 2) The AutoCorrect feature in word is used for error correction as well as formatting.
- 3) The use of robots in industrial production is one use of ICT.
- 4) Computer simulations are risky and expensive as compared to real life training.
- 5) CDMA is popular all over the world.

**QIII) Multiple choice Questions (Single Correct Answer)**

**(6)**

- 1) The recently introduction type of television receiver set is \_\_\_\_\_.  
a) Plasma TV b) LCD TV c) USB Drive d) Smart TV
- 2) The first web page displayed in the browser window when a user visits a website is called the \_\_\_\_\_ of the website.  
a) front page b) first page c) home page d) web page.
- 3) The network connecting computers all over the world is known as \_\_\_\_\_.  
a) Intranet b) Internet c) ARPANET d) Network.
- 4) The default pages orientation in the word window is called \_\_\_\_\_.  
a) Upright b) landscape c) A4 d) Portrait.
- 5) The file extension of a document created using Word 2007 is \_\_\_\_\_.  
a) .doc b) .txt c) .docx d) .doc7

6) ICT promotes a learning environment that is \_\_\_\_\_.

a) competitive   b) unethical   c) Collaborative   d) isolated.

**(IV) Multiple choice Questions. (Two correct answers) (Any two) (4)**

- 1) Technologies of wireless connectivity are \_\_\_\_\_.  
a) plasma   b) Wi-Fi   c) bluetooth   d) IMU
- 2) In which of the following ways can you save a document in Word 2007. \_\_\_\_\_,  
\_\_\_\_\_  
a) Select the save option from the Office Button Menu.  
b) Press Ctrl + S simultaneously on the keyboard.  
c) Press the F1 key on the keyboard .  
d) Click the Exit Word button in the Office button menu.
- 3) Forms of information include \_\_\_\_\_, \_\_\_\_\_.  
a) data   b) email   c) CD-ROM   d) images.
- 4) Protocols for the Internet are \_\_\_\_\_,  
a) FTP   b) TCP   c) IP   d) SMTP

**QV) Answer in brief: - (Attempt any six) (12)**

- 1) Explain the term ICT.
- 2) Creating a table of contents for a given Word document.
- 3) Disadvantages of Email. (any 4).
- 4) Give any four examples of the input devices and output devices of a computer.
- 5) Write a short note on Website.
- 6) What is touch Screen?
- 7) Explain the difference between the WWW and the Internet.
- 8) State the four objectives that ICT aims to achieve in the field of education.

**QVI) Answer in brief :- (Attempt any 2) (8)**

- 1) State the advantages of ICT in the field of education.
- 2) Write a short note on computers.
- 3) List different functions of Word 2007 as a word Processor.
- 4) What are the advantages of email?

\*\*\*\* ALL THE BEST\*\*\*\*

THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE

I Terminal Exam. 2016- 2017

Subject: Personality Development.

Name: \_\_\_\_\_ STD: IX Div: \_\_\_\_\_ Roll No: \_\_\_\_\_

Marks: 50 Date: 20 / 9 / 2016

Time: 1hrs 30mins.

**Q. 1 Fill in the blanks**

(3)

1. \_\_\_\_\_ is the period between childhood and adulthood
2. A short person can consciously improve on his \_\_\_\_\_
3. 'Satyameva Jayate' means \_\_\_\_\_

**Q. 2 Write whether the following statements are True or False**

(3)

1. People with a scientific attitude don't believe in superstitions and always think logically.
2. Your negative emotions hurt you more than they hurt others.
3. Our intellect is inherited. We can't really do anything to develop it.

**Q. 3 Answer in a few lines (Any 4)**

(4)

1. What are the 5 aspects of good physical development or 5 ways to achieve good physical development?
2. What are values? Give some examples of good values.
3. Who are 'whistle-blowers'?
4. What are the things that every person should know about himself/herself?
5. Write 5 desirable and 5 undesirable emotions.

**Q.4 A) What is personality? Define personality development.**

(3)

**B) Answer any 1:**

(3)

- 1) What is our role as a member of society?
- 2) If you are confused about your career goal, what are the things you can do to help you choose your goal?

**Q. 5 Write short notes on (Any 4)**

(16)

1. How to deal with failure.
2. Ways of maintaining personal, household, and public hygiene.
3. Methods to sharpen your intellect.
4. Illusions with examples.
5. Dignity of labor.

**Q.6 Give reasons for the following :**

**(9 )**

1. The value of 'Patriotism' is important.
2. A human being is compared to a drop of water in a river.
3. We need to keep adding new values in society and in our lives.

**Q.7 What will you do if (Any 3):**

**(9 )**

1. Your friends always avoid any physical activity and prefer to sit at home and watch TV and play video games the whole day. They also ask you to do the same.
2. Your friend tells you that you both should by-heart all the answers without understanding properly because it is fast as well as easy.
3. You want to build social skills and develop yourself socially.
4. Your friend and you find a purse containing money and your friend wants to keep it.

*Thakur Educational Trust's (Regd)*

THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE

I Terminal Exam 2016- 2017

Subject: Physical & Health Education.

Name: \_\_\_\_\_ STD: IX Div: \_\_\_\_\_ Roll No: \_\_\_\_\_

Marks: 25

Date: 20/9 /2016

Time: 1.hr.

**Q1) Fill in the blanks with the appropriate words given in the brackets and complete the following sentences:( Mother, Yogic, oxygen, tranquility) (2)**

- 1) When a person breathes, the heart and lungs help absorb \_\_\_\_\_ in the blood.
- 2) Suryanamaskar is an independent \_\_\_\_\_ form of exercise.
- 3) Athletics is considered the \_\_\_\_\_ of all sports
- 4) Yoga helps an individual to attain peace of mind and \_\_\_\_\_.

**b) Match the Following: -**

**(2)**

**A**

**B**

- |              |                    |
|--------------|--------------------|
| 1)Sprints    | a) Stop board.     |
| 2)Relays     | b) Take of board.  |
| 3) Long jump | c) Baton-Exchange  |
| 4) Shot jump | d) Starting blocks |

**c) State whether the following statements are "True or False"**

**(2)**

- 1) The better one's Fitness the better one can work or do a laborious Job.
- 2) You must drink 3 to 4 liters of water daily.
- 3) Exercise does not help to reduce fatness.
- 4) Yoga helps improve respiration and thus intake of oxygen.

**Q2) Answer the following in one sentence:**

**(5)**

- 1) Name the short distance races(sprints)
- 2) Name the stages of the triple jump event.
- 3) Name the stages of discus throw event.

5) Write the advantages of starting blocks?

(4)

- (4)

- (6)**

- 3) Height - 5.7 feet, weight = 50k.g



THAKUR VIDYA MANDIR HIGH SCHOOL& JR.COLLEGE

I Terminal Exam 2016- 2017

Subject: HISTORY OF ARTS.

Name: \_\_\_\_\_ STD: IX Div: \_\_\_\_\_ Roll No: \_\_\_\_\_

Marks: 40

Date: 21/09/16

Time:2 hr

**Q1. Fill in the blanks**

**(5)**

1. Men in the pre-historic period had not mastered the art of \_\_\_\_\_.
2. \_\_\_\_\_ is regarded as the founder of oil painting in India.
3. The process of expansion in an art work is described as \_\_\_\_\_.
4. Repetition is the rule of \_\_\_\_\_.
5. Bhimbetaka is situated in \_\_\_\_\_ state of India.

**Q 2. Match the pairs**

**(5)**

A

B

- |                                    |                   |
|------------------------------------|-------------------|
| 1) Raja Raviverma                  | a. Rule of design |
| 2) Pre -historic period.           | b. Austria        |
| 3) Venus of wiledorfe              | c. Stone age      |
| 4) Rhythm                          | d. Altamira.      |
| 5) Cave painting of sleeping Bison | f. ShivParvati.   |

**Q3. State Whether the following statements are True or False.**

**(5)**

1. The statue of Venus of wiledorfe is made of bronze.
2. Raja Raviverma was a dancer.

3. The art of writing was mastered by the Egyptian.
4. Repetition is the rule of Maths.
5. Radiation is rule of design.

**Q4. Answer in One line.**

**(5)**

1. What is pre-historic period?
2. Name two major part of the stone age.
3. Where Raja Raviverma was born?
4. What is Repetition?
5. Who discovered cave painting at Bhimbetaka?

**Q5. Answer in Brief (any 2)**

**(10)**

1. Draw the diagram of radiation. (All four).
2. What is Rhythm explain with a diagram.
3. Write the themes of paintings made by Raja Raviverma.
4. Which are the subject depicted in the cave painting Bhimbetaka
5. Write the name of places in where the remains of the art in the Paleolithic age

have been found in India.

**Q.6. Answer in brief**

**(10)**

- 1) Write about Raja Raviverma.
- 2) Art in the Copper and Bronze age.
- 3) Distinct features of the cave paintings at Bhimbetaka.
- 4) Write all the rules of design and explain any one in detail.

