

*Thakur Educational Trust's (Regd)*

THAKUR VIDYA MANDIR HIGH SCHOOL& JR.COLLEGE

III PRELIMINARY EXAM 2016- 2017

Subject: ENGLISH

Name: \_\_\_\_\_ Std: X Div: \_\_\_\_\_ Roll No: \_\_\_\_

Marks: 80 Date: 02/01/2017 Time: 2hrs 45 min

**(SECTION I: Reading Skills, Vocabulary and Grammar)**

**Q1A. Read the following passage and do the given activities: (10)**

**A1. Match the columns.  
(2)**

A	B
1. Brihat Panchavati	a) Sacred to Islam
2. Garden of Eden	b) To celebrate birthdays
3. The date plant	c) Shakuntala lived
4. Eco-park	d) Sacred to Christianity

He wants to create near the Pavitra Vana, a Brihat Panchavati so that parents can show their children the forest where Shakuntala lived or Sita spent her final days. There will also be a hillock where people can meditate. Plans are also afoot to create a Saptaswara forest, pertaining to different ragas in music. Scientists have found that certain plants react in a particular way to different ragas. So in such a forest, when a musician performs certain ragas, the plants will reach in such a manner that it will benefit the audience, the musician and the whole environment. The other idea is an eco-park for children. On celebrations, like birthdays, parents can invest Rs.200 and plant a sapling of a tree representing the child's birth star. The plant will also carry the child's name. The Pavitra Vana also houses a garden of Prophet Mohammed, which has some plants mentioned in the Holy Quran. There is the date plant- sacred to Islam – and the Mimosops elengi, the latter a highly fragrant variety. There is also the Garden of Eden for housing plants sacred to Christianity, but the Pavitra Vana authorities have to procure most of them in the new sections.

**A2. Complete the web:  
(2)**



**A3. Vocabulary Questions:**  
**(2)**

Write from the passage two words of Indian origin that refer to music with their meaning.

**A4. Language Study:**  
**(2)**

i) Certain plants react in a particular way to different ragas. Scientists have found this.

(Rewrite into a single sentence using **'that'**)

ii) Parents can invest Rs.200 and plant a sapling of a tree representing the child's birth star.

(Rewrite using a Modal Auxiliary verb indicating compulsion)

**A5. Personal Response:**  
**(2)**

Do you think the efforts of Yellappa Reddy would bring about an awareness of Environment Conservation?

**Q1B. Read the following passage and do the given activities. (10)**

**B1. Choose the correct alternatives and fill in the blanks:**  
**(2)**

i) In the first year, Bharat Vikas achieved a turnover of -----.

a) 56 lakhs    b) 8 lakhs    c) 97 lakhs    d) 22 lakhs

ii) The first job of Bharat Vikas was to clean -----.

a) Tata Motors    b) Safari suits    c) BVG    d) the Indica plant.

iii) In his college life, Hanmant was inspired by -----.

a) Swami Vivekananda    b) Mahatma Gandhi    c) Jawaharlal Nehru    d) Mahatma Jotiba Phule.

iv) The company started by Hanmant was known as -----.

a) Tata Motors    b) Safari suits    c) BVG    d) the Indica plant.

And then I decided to also so some earning. "Khud ka kamana chalu kiya."

Hanmant took up painting jobs and quickly discovered it was an excellent business.

The young engineering student paid his own fees from third year onwards. But his lifestyle remained frugal. Life was getting better, but Hanmant had his sights set higher. In the final year of engineering, he was attracted towards the writings of Swami Vivekananda.

“I felt ki kuch alag karna hai. What should I do, I did not know but in 1993 I formed an organization – Bharat Vikas Pratishthan.”

On 22<sup>nd</sup> May 1997, Bharat Vikas bagged its first housekeeping contract for 8 people.

“The job was to clean the Indica plant, which was coming up at that time. Four people in the paint shop, two in Safari and two in black.”

In the very first year Bharat Vikas achieved a turnover of Rs 8 lakhs. The next year that jumped to Rs 56 lakhs. Up to this point Hanmant was still working with Tata Motors.

“In 1999, I got married and then I also decided to leave the job. I started BVP as a full time activity.”

-1-

**B 2. Complete the following timeline showing Hanmant’s rise in his career : (2)**

1993	
1997	
1998	
1999	

**B3. Vocabulary Questions:**

**(2)**

- i) Find one word for the following from the passage: 1) obtained      2) economical
- ii) Give the verb forms of: 1) high      2) quickly

**B4. Language Study:**

**(2)**

- i) Life was getting better but Hanmant had his sights set higher.

(Pick out the conjunction and state its kind)

- ii) Hanmant took up painting jobs. (Change the Voice)

**B5. Personal Response:**

**(2)**

What did Hanmant do to earn money?

**Q2A. Read the following passage and do the given activities. (10)**

**A1. State whether the following statements are True or False:**

**(2)**

- i) When Arun opened his eyes the sun was setting.
- ii) Principal Mr. Martin, Father Ronald and Subir Babu standing close to Arun's house .
- iii) A brave boy." Muttered Subir Babu looking at me.
- iv) We can lose our friends by becoming sarcastic.

"When I opened my eyes, the sun was setting. I was lying on a bed of our school hospital. I also found our Principal Mr. Martin, Father Ronald and Subir Babu standing close to my bed with anxious looks on their faces.

"How is Dick?" I asked.

"He is all right." replied Mr. Martin. "How do you feel now, Arun?" he asked earnestly.

"I am all right Sir," I replied with a faint smile.

Mr. Martin put his hand on my forehead. "You have done a hero's job. Arun," he said.

"You swam almost a three – mile stretch of the river and the current was so strong."

"A brave boy." Muttered Father Ronald looking at me.

"Thank you, Sir," I said.

**A2. i)** Where was Arun when he opened his eyes?

**(1)**

with anxious looks?

ii) Who were standing close to Arun's bed

**(1)**

**A3. i) Give the opposites of :** 1) brave                      2) strong

**(1)**

ii) Frame a meaningful sentence using the word '**anxious**'

**(1)**

**A4. Language Study:**

**(2)**

i) I replied with a faint smile. (Rewrite the sentence to Past Continuous Tense)

ii) Father Ronald and Subir Babu standing close to my bed with anxious looks on their faces.

(Name the Parts of Speech of the underlined words)

**A5. How did Mr. Martin praise Arun?**

**(2)**

**Q2B. Read the following passage and do the given activities: (10)**

**B1. Fill in the blanks with suitable words from the extract:**

**(2)**

- i) The ----- of the next hour is something I have always cherished.
- ii) It is a ----- moment to me. Mine, to while away looking at the garden.
- iii) The house will remain as ----- till evening.
- iv) There is only ----- between the children.

The house is quiet. Everything is as neat as a pin. By noon all the chores are over. The serenity of the next hour is something I have always cherished. It is a delicious moment to me. Mine, to while away looking at the garden, mine to spend with a book, mine to use in a million ways. Just an hour before the children return from school and throw the house back into its customary rough and tumble.

I am of course, daydreaming. The children no longer go to school. The house will remain as neat as a pin till

evening when my husband returns. And even his return is like a drop in a bucket- some minor ripples and the calm again.

I brought them up like twins. There is only one year between them and from the beginning they played together, fought together, with hand and foot and fist, as boys will. They went to school together, fighting, laughing, and arguing, all the way. They shared their clothes and toys, and as they grew they shared their thoughts and plans. And through it all, I was growing too, learning on the job, teaching, explaining, and understanding.

**B2.** Arrange the following sentences in the chronological order as they appear in the passage: **(2)**

- i) I brought them up like twins.
- ii) The house is quiet.
- iii) They went to school together.
- iv) The house will remain as neat as a pin till evening when my husband returns.

**B3. Vocabulary Questions:**  
**(2)**

- i) Pick out words from the passage that mean: 1) household tasks 2) small waves in water
- ii) Give the noun forms of: 1) grew 2) calm

-2-

**B4. Language Study:**  
**(2)**

- i) Just an hour before the children return from school.  
(Separate the Subject and Predicate)
- ii) They went to school together.

(Frame 'Wh' type question to get the underlined part of the sentence as the answer)

**B5. Personal Response:**  
**(2)**

How did the children behave between themselves? Explain.

**(Section II: Poetry)**

**Q3.A Read the following extract and do the given activities. (5)**

**A1. Answer in just a word or two:**  
**(2)**

- i) How should the chocolate cake be according to the brats?
- ii) How much of the cake will the brats devour?
- iii) What does the poetess call the brats?
- iv) What kind of guests do these brats turn out to be?

But let us speak of chocolate cake,  
It must be frosted o'er;  
Then they'll devour three full slabs,  
And calmly ask for more.

Oh, I do so always love to eat  
With picky little pests  
Whose parents joy to make them  
The most undesirable guests!

**A2. i) Give the rhyming words from the given extract.**  
**(1)**

**ii) Give the full forms of:**  
**(1)**

Short Forms	Full Forms
1. they'll	-----
2. o'er	-----

**A3.** Pick out an example of Alliteration from the extract.  
**(1)**

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

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

How we should treat the people	We should... 1. be ..... 2. hold on .....
--------------------------------	---

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 your 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) What is the tone of the Poem?  
**(1)**

ii) Write the rhyme scheme of the first verse.  
**(1)**

**B3.** Name and explain the Figure of Speech:  
**(1)**

'And dreaming a little and doing much'

**(Section III :Rapid Reading)**

**Q4A.** Read the following extract and do the given activities: **(5)**

**A1.** Mention the characters involved in the extract.  
**(1)**

He walked off to his car, sat in the back seat and reflected. He looked at his watch. Midnight. If the will was to be signed, it must be done within the next two hours, or never. He could not be responsible for a mess there; he knew the family affairs too well and about those wolves. Subbiah and his gang. But what could he do? If he asked him to sign the will, it would virtually mean a death sentence and destroy the thousandth part of a chance that the patient had of survival. He got down from the car and went in. He resumed his seat in the chair. The patient was staring at him appealingly. The doctor said to himself, "If my word can save his life, he shall not die. The will be damned."

-3-

**A2.** Strike the odd man out and rewrite the sentence.

(2)

i) The patient's family/ Subbiah and his gang were the wolves.

ii) The doctor said to himself/ patient wife, "If my word can save his life, he shall not die. The will be damned."

**A3.** What are your ideas about doctors? Do you think they are life savers? Explain.

(2)

**(Section IV: Writing Skills)**

**Q5A. Letter Writing –Formal / Informal**

(5)

**A1.** Write a letter of appreciation to the Municipal Commissioner of your area for the good work done by his garbage collection team.

**OR**

**A2.** Read the following news headline:

**Water shortage hits city  
Citizens furious with authorities.**

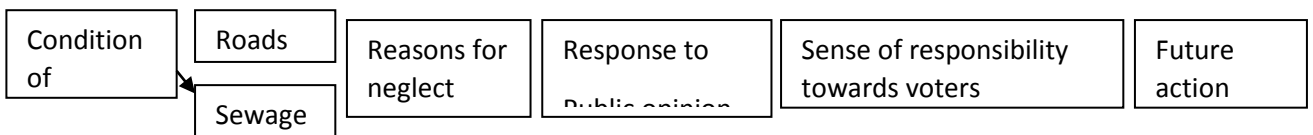
Write a letter to your uncle telling him about the difficulties you are facing.

**Q5B. Interview 10 Questions/ Report Writing**

(5)

**B1.** Write about ten questions that you would ask a local Politician regarding the neglected condition of

your city . You may use the following points.





OR

- B2.** Recently you attended a workshop on self-defence in a neighbourhood park of your colony. Prepare a report of the event to be published in the School Magazine.

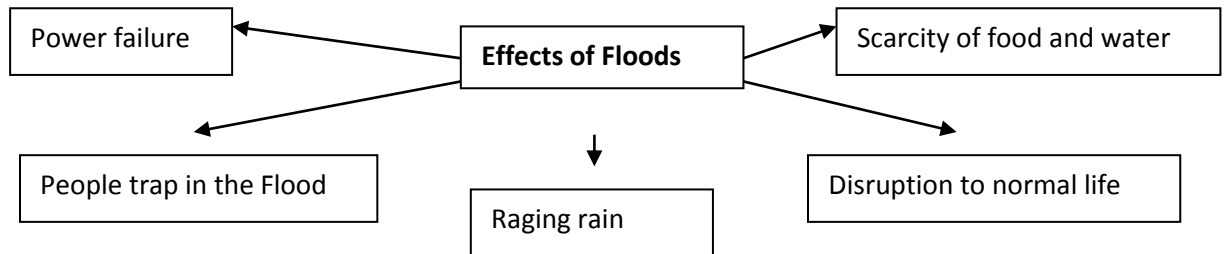
**Q6A. Information Transfer: (Verbal to Non-Verbal/ Non-Verbal to Verbal)**  
**(5)**

- A1.** Read the following extract and transfer the information in the form of a Tree Diagram.

We all read for variety of reasons. Our basic reason for reading is probably pleasure. We read literature mostly because we enjoy it. Reading for pleasure may take various forms. We may read just to pass the time. We often read for information and knowledge. We find pleasure in learning about life in the Swiss Allps or the Mississippi river. We also read simply for enjoyment. We get pleasure from the arrangement of words. We can find pleasure even in syllables just as children like the sound 'ring around the Rosie' although they may not know what the words mean.

OR

- A2. Transfer the following information into a paragraph. (Not more than 100 words)**



**Q6B. Speech or View and Counter view.**  
**(5)**

- B1.** You read the following piece of information on the Internet.

Thirty years ago, the scientist James Lovelock (known as the Green Guru) worked out that the Earth possessed a planetary- scale control system which kept the environment fit for life. He called it Gaia, and the theory has become widely accepted. Now, he believes mankind's abuse of the environment is making that mechanism work against us. His astonishing conclusion- that climate change is already insoluble and life on earth will never be the same again.

Write a speech acquainting (tell) your class about the environment crises that are worsening around

the world.

OR

**B2.** Write a paragraph on the basis of the Counterviews given below. Add a few more points of your own.

**Stop Over-viewing TV Programmes**  
1. Wastage of time. 2. Kills imagination. 3. Destroys thinking power. 4. Creates physical problems.

**Q7A. Expansion of ideas/ Developing a Story (Attempt any one of the following)**  
(5)

**A1.** Expand any *one* of the given two ideas:

- i) Dishonesty never pays in the long run.
- ii) Value of time in life.

**OR**

**A2.** Develop a story wherein any one of the above given topics is the moral. Give suitable title.

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

*Thakur Educational Trust's (Regd)*

THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE

III Preliminary Exam 2016- 2017

Subject: History/Political Science.

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

Marks: 40

Date: 06/01/2017

Time: 2hrs.

**Q1 A) Fill in the blanks**

**(3)**

1) The \_\_\_\_\_ continent was known as the unknown continent till the 18th century.

(Asia, Africa, America)

2) It is considered that \_\_\_\_\_ is the origin of Industrial Revolution.

(France, England, Germany)

3) Balkan area was the part of \_\_\_\_\_ Empire.

( Germany, Austria, Turkey)

**B. Match the following**

**(3)**

**A**

**B**

1) Head office of League of Nation

a) Partition of Bengal

2) Lord Curzon

b) Geneva

3) Pandit Nehru

c) President of America

d) Non-Aligned Movement

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

**(4)**

1) How did the imperialist nations establish their economic domination over China?

2) Due to globalization, which fields are undergoing changes.

3) During the second half of the 19th century, which courageous travellers came to light.

**QIII) Give Reasons in 25-30 words.(any 2)**

**(4)**

1) The Portuguese could not set up their empire in India.

2) The villages in India lost their self-sufficiency.

3) After the Second World War, the economic life of common people got badly influenced.

**QIV) Answer in 30-40 words (any 2)**

**(6)**

1) What are the disadvantages of Globalization?

2) Write any three reasons of Imperialism.

3) Write about Indian Moon-Expedition.

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

**(8)**

1) Explain the nature of Globalization?

2) How was India brought under the reign of England?

3) Explain the conditions that were favourable for decolonization.

## POLITICAL SCIENCE

### QVI) Fill in the blanks

(3)

- 1) The most prominent example of inequality in India is that of \_\_\_\_\_.  
(Religious System, Political System, Caste System, Social System)
- 2) Parliamentary democracy exists in England and \_\_\_\_\_.  
( India, China, Italy, America)
- 3) In the absence of \_\_\_\_\_ political equality can become meaningless.  
( affluence, social equality, country's progress, vigilance)

### QVII) Answer the following in one sentence each (any3)

(3)

- 1) Why is representative democracy inevitable?
- 2) What is a state or regional political party?
- 3) What is the average voting percentage in Lok Sabha Elections in India?
- 4) Name two people who undertook efforts to abolish the caste system in India.
- 5) Write any one example of social pressure.

### QVIII) State True/False with reasons (any 2)

(4)

- 1) Citizens should regularly keep a watch on the functions of the government.
- 2) It is considered important to have an opposition party in democracy.
- 3) Economic inequality is not the challenge before democracy.

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

(2)

- 1) What measures are adopted to resolve the issues relating to gender inequality?
- 2) Write the important features of democracy.

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

**III Preliminary Exam 2016-2017**

Std. : **X**

Sub. : **G.M GEOMETRY**

Marks : **40**

Date : //2017

Time : 2 hrs.

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

**[5]**

1) If  $\Delta ABC \sim \Delta PQR$  and  $\frac{AB}{PQ} = \frac{3}{5}$ , find  $\frac{A(\Delta ABC)}{A(\Delta PQR)}$

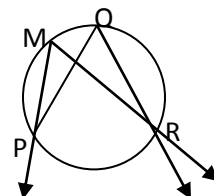
2) In the figure,  $m\angle PQR = 70^\circ$ , find  $m\angle PMR$ .

3) What is the upper limit and lower limit of the class 10-14?

4) If the base area of a cylinder is 100 sq. cm and its height is 8cm, find its volume.

5) If  $n(A) = 8$  and  $n(S) = 1$ , find  $P(A)$ .

6) The length, breadth and height of a cuboidal tank are 12m, 8 m and 6 m. Find the area of the base of the tank.



**Q.2. Attempt any 4 sub-questions from the following.**

**[8]**

1) The side of a square is 4. Find diagonal.

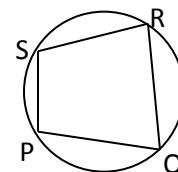
2) In the figure, PQRS is cyclic. If  $\angle SPQ = 150^\circ$ , what is the measure of  $\angle SRQ$ ?

3) If  $\sin P = \frac{4}{5}$  and  $\tan P = \frac{4}{3}$ , then find  $\cos P$ .

4) Draw segment RS of length 6.5cm. Draw a circle with segment RS as diameter. Draw tangents to the circle at the points R and S respectively.

5) Draw a line EF such that  $EF \parallel CD$  and line EF is at a distance of 3cm from line CD.

6) A coin is tossed. Find the sample space S and  $n(S)$ .



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

**[9]**

1) Construct a regular hexagon with side 4cm.

2) Find the value of the following expression.

$$4\cot^2 - \sec^2 60^\circ + \sec^2 60^\circ + \cos^2 90^\circ$$

3) The circumference of the base of a cylinder is 88cm. Its height is 20 cm. Find the volume of the cylinder.

4) Construct a histogram for the following distribution:

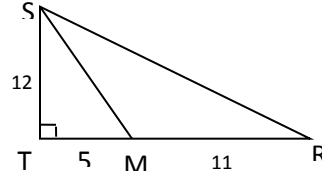
Hours of study	0-3	4-7	8-11	12-15	16-19
Number of students	10	25	15	5	2

5) Construct the circumcircle of  $\Delta DEF$  in which  $DE = 6.2$  cm,  $\angle EDF = 65^\circ$  and  $\angle DEF = 50^\circ$ .

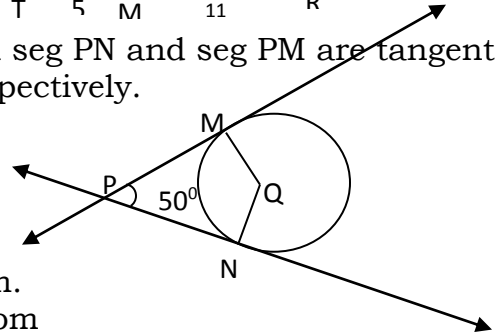
**Q.4. Attempt any 2 sub-questions from the following.**

**[8]**

- 1) In the figure  $TS = 12$ ,  $MR = 11$ ,  $TM = 5$ .  
Find  $SM$  and  $SR$ .



- 2) In the figure,  $Q$  is the centre of the circle and seg  $PN$  and seg  $PM$  are tangent segments to the circle at points  $N$  and  $M$  respectively. If  $\angle MPN = 50^\circ$ , find  $\angle MQN$ .



- 3) Draw a circle with centre  $O$  and radius  $3.5\text{cm}$ .  
Construct chord  $AB = 5\text{cm}$ . Draw tangents from points  $A$  and  $B$  intersecting at point  $M$ .

**Q.5. Attempt any 2 sub-questions from the following.**

**[10]**

- 1)  $\triangle LMN \sim \triangle RST$  and  $A(\triangle LMN) = 100\text{sq. cm}$ ,  $A(\triangle RST) = 144\text{sq. cm}$  and  $LM = 5\text{cm}$ , then find  $RS$ .
- 2) Find the volume of a hemisphere whose diameter is  $14\text{cm}$ .
- 3) Electricity used by famers during different parts of a day for irrigation is a follows :

Part of the day	Morning	Afternoon	Evening	Night
Units of electricity used (in %)	30	40	20	10

**III Preliminary Exam 2016-2017**

Std. : **X**

Sub. : **GEOMETRY**

Marks : **40**

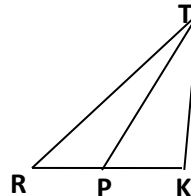
Date : 11 /01/2017

Time : 2 hrs.

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

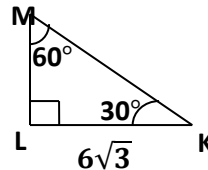
**[5]**

- 1) In the figure RP: PK = 3:2  
Find the values of  $A(\Delta TRP) : (\Delta TPK)$



- 2) Find the slope and y =intercept if in line  $8x - 4y - 1 = 0$ .  
3) The terminal arms is in II Quadrant, what are the measures of possible angles?

- 4) In adjoining fig  $\angle MLK = 90^\circ$   
Find MK. from the given , information.

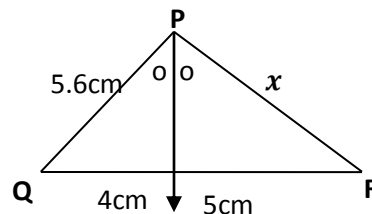


- 5) Find volume of sphere of radius 4.4 cm ( $\pi = \frac{22}{7}$ )  
6) If two circles with radii 10cm & 7cm respectively touch each other externally, find the distance between their centres.

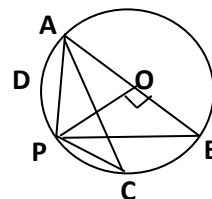
**Q.2. Attempt any 4 sub-questions from the following.**

**[8]**

- 1) If the angle  $\theta = -45^\circ$ , find the value of  $\sin \theta$  &  $\cos \theta$ .  
2) Draw an angle if  $125^\circ$  and bisect.  
3) Write the equation of line  $3x - 2y = 5$  in slope intercept form.  
4) Find area of the sector whose are length and radius are 10cm 2.5cm respectively.  
5) In the fig. Ray PT is the bisector of  $\angle QPR$ .  
Find the value of X.



- 6) In the fig. Point O is the center of the circle.  
Find the value of  $\angle ACP$  if angle  $POB = 90^\circ$



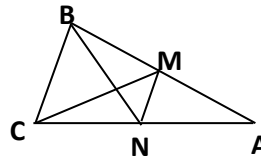
**Q.3. Attempt any 3 sub-questions from the following.**

[9] 1)

$\triangle ABC$  is an isosceles triangle when  $AB=AC$ . Prove that the tangent to the Circum circle of  $\triangle ABC$  at A is parallel to the side BC.

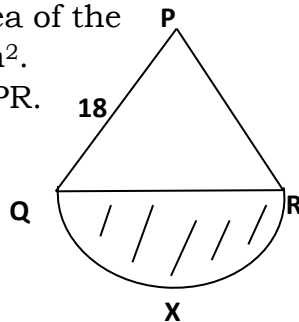
2) Draw a circle with centre P and radius 3.1cm. Draw a chord MN of length 3.8cm. Draw tangents to the circle through points M & N.

3) In the figure  $\triangle ABN \cong \triangle ACM$   
Show that :  $\triangle AMN \sim \triangle ABC$



4) Two poles height 18metres and 7metres are erected on the ground. A wire of length 22 metres tied to the top of the poles. Find the angle make by the wire with the horizontal.

5) In fig P is the center of the circle with radius 18cm. If the area of the  $\triangle PQR$  is  $100\text{cm}^2$  and area of the segment QXR is  $13.04\text{cm}^2$ . Find the central angle QPR.



**Q.4. Attempt any 2 sub-questions from the following.**

[8]

1) Prove that: The measure of an angle subtended by an arc at a point on the circle is half of the measure of the angle subtended by the same arc at the centre.

2) Show that :  $\frac{\cos^2\theta}{1-\tan\theta} + \frac{\sin^3\theta}{\sin-\cos\theta} = 1 + \sin\theta \cos\theta$

3) The surface area of solid sphere is increased by 21% without changing its shape. Find the percentage increase in if i) radius ii) Volume.

**Q.5. Attempt any 2 sub-questions from the following.**

[10]

1)  $\triangle PQR$  is a right angled triangle. Right angled at Q such that  $QR = b$  and  $a = PQ$

( $\triangle PQR$ ). If  $QN \perp PR$  then show that  $QN = \frac{2ab}{\sqrt{b^2 + 4a^2}}$

2)  $\triangle AMT \sim \triangle AHE$ , In  $\triangle AMT$   $MA = 6.3\text{cm}$ ,  $\angle MAT = 120^\circ$   $AT = 4.9\text{cm}$  and



$$\frac{MA}{HA} = \frac{7}{5} \text{ construct } \Delta AHE$$

3) In  $\Delta ABC$ ,  $\angle A$  is an obtuse angle. P is the circum centre of  $\Delta ABC$   
Prove that  $\angle PBC = \angle A - 90^\circ$

**ALL THE BEST**

*Thakur Educational Trust's (Regd)*

THAKUR VIDYA MANDIR HIGH SCHOOL & JR. COLLEGE

III PRELIMINARY EXAM 2016- 2017

Subject: ENGLISH

Name: \_\_\_\_\_ Std: X Div: \_\_\_\_\_ Roll No: \_\_\_\_

Marks: 80

Date: 02/01/2017

Time: 2hrs45 min

**(SECTION I: Reading Skills, Vocabulary and Grammar)**

**Q1A. Read the following passage and do the given activities: (10)**

**A1. Match the columns.**

**(2)**

A	B
1. Brihat Panchavati	a) Sacred to Islam
2. Garden of Eden	b) To celebrate birthdays
3. The date plant	c) Shakuntala lived
4. Eco-park	d) Sacred to Christianity

He wants to create near the Pavitra Vana, a Brihat Panchavati so that parents can show their children the forest where Shakuntala lived or Sita spent her final days. There will also be a hillock where people can meditate. Plans are also afoot to create a Saptaswara forest, pertaining to different ragas in music. Scientists have found that certain plants react in a particular way to different ragas. So in such a forest, when a musician performs certain ragas, the plants will reach in such a manner that it will benefit the audience, the musician and the whole environment. The other idea is an eco-park for children. On celebrations, like birthdays, parents can invest Rs.200 and plant a sapling of a tree representing the child's birth star. The plant will also carry the child's name. The Pavitra Vana also houses a garden of Prophet Mohammed, which has some plants mentioned in the Holy Quran. There is the date plant- sacred to Islam – and the Mimosops elengi, the latter a highly fragrant variety. There is also the Garden of Eden for housing plants sacred to Christianity, but the Pavitra Vana authorities have to procure most of them in the new sections.

**A2. Complete the web:**

(2)



**A3. Vocabulary Questions:**

(2)

Write from the passage two words of Indian origin that refer to music with their meaning.

**A4. Language Study:**

(2)

i) Certain plants react in a particular way to different ragas. Scientists have found this.

(Rewrite into a single sentence using 'that')

ii) Parents can invest Rs.200 and plant a sapling of a tree representing the child's birth star.

(Rewrite using a Modal Auxiliary verb indicating compulsion)

**A5. Personal Response:**  
**(2)**

Do you think such efforts would bring about an awareness of Environment Conservation?

**Q1B. Read the following passage and do the given activities. (10)**

**B1. Choose the correct alternatives and fill in the blanks**  
**(2)**

- i) In the first year, Bharat Vikas achieved a turnover of -----.
- a) 56 lakhs    b) 8 lakhs    c) 97 lakhs    d) 22 lakhs
- ii) The first job of Bharat Vikas was to clean -----.
- a) Tata Motors    b) Safari suits    c) BVG    d) the Indica plant.
- iii) In his college life, Hanmant was inspired by -----.
- a) Swami Vivekananda    b) Mahatma Gandhi    c) Jawaharlal Nehru    d) Mahatma Jotiba Phule.
- iv) The company started by Hanmant was known as -----.
- a) Tata Motors    b) Safari suits    c) BVG    d) the Indica plant.

And then I decided to also so some earning. "Khud ka kamana chalu kiya."

Hanmant took up painting jobs and quickly discovered it was an excellent business.

The young engineering student paid his own fees from third year onwards. But his lifestyle remained frugal. Life was getting better, but Hanmant had his sights set higher. In the final year of engineering, he was attracted towards the writings of Swami Vivekananda.

"I felt ki kuch alag karna hai. What should I do, I did not know but in 1993 I formed an organization – Bharat Vikas Pratishthan."

On 22<sup>nd</sup> May 1997, Bharat Vikas bagged its first housekeeping contract for 8 people.

"The job was to clean the Indica plant, which was coming up at that time. Four people in the paint shop, two in Safari and two in black."

In the very first year Bharat Vikas achieved a turnover of Rs 8 lakhs. The next year that jumped to Rs 56 lakhs. Up to this point Hanmant was still working with Tata Motors.

"In 1999, I got married and then I also decided to leave the job. I started BVP as a full time activity."

**B 2. Complete the following timeline showing Hanmant’s rise in his career :**

**(2)**

1993	
1997	
1998	
1999	

**B3. Vocabulary Questions:**

**(2)**

- i) Find one word for the following from the passage: 1) obtained      2) economical
- ii) Give the verb forms of: 1) high      2) quickly

**B4. Language Study:**

**(2)**

- i) Life was getting better but Hanmant had his sights set higher  
(Pick out the conjunction and state its kind)
- ii) Hanmant took up painting jobs. (Change the Voice)

**B5. Personal Response:**

**(2)**

What did Hanmant do to earn money?

**Q2A. Read the following passage and do the given activities. (10)**

**A1. State whether the following statements are True or False:**

**(2)**

- i) When Arun opened his eyes the sun was setting.
- ii) Principal Mr. Martin, Father Ronald and Subir Babu standing close to Arun’s house .
- iii) A brave boy.” Muttered Subir Babu looking at me.
- iv) We can lose our friends by becoming sarcastic.

“When I opened my eyes, the sun was setting. I was lying on a bed of our school hospital. I also found our Principal Mr. Martin, Father Ronald and Subir Babu standing close to my bed with anxious looks on their faces.

“How is Dick?” I asked.

“He is all right.” replied Mr. Martin. “How do you feel now, Arun?” he asked earnestly.

“I am all right Sir,” I replied with a faint smile.

Mr. Martin put his hand on my forehead. “You have done a hero’s job. Arun,” he said.

“You swam almost a three – mile stretch of the river and the current was so strong.”

“A brave boy.” Muttered Father Ronald looking at me.

“Thank you, Sir,” I said.

**A2. i)** Where was Arun when he opened his eyes?

(1)

with anxious looks?

ii) Who were standing close to Arun’s bed

(1)

**A3. i) Give the opposites of :** 1) brave                      2) strong

(1)

ii) Frame a meaningful sentence using the word ‘**anxious**’

(1)

**A4. Language Study:**

(2)

i) I replied with a faint smile. (Rewrite the sentence to Past Continuous Tense)

ii) Father Ronald and Subir Babu standing close to my bed with anxious looks on their faces.

(Name the Parts of Speech of the underlined words)

**A5.** How did Mr. Martin praise Arun?

**Q2B. Read the following passage and do the given activities: (10)**

**B1.** Fill in the blanks with suitable words from the extract:

(2)

i) The ----- of the next hour is something I have always cherished.

ii) It is a ----- moment to me. Mine, to while away looking at the garden.

iii) The house will remain as ----- till evening.

iv) There is only ----- between the children.

The house is quiet. Everything is as neat as a pin. By noon all the chores are over. The serenity of the next hour is something I have always cherished. It is a delicious moment to me. Mine, to while away looking at the garden, mine to spend with a book, mine to use in a million ways. Just an hour before the children return from school and throw the house back into its customary rough and tumble.

I am of course, daydreaming. The children no longer go to school. The house will remain as neat as a pin till

evening when my husband returns. And even his return is like a drop in a bucket- some minor ripples and the calm again.

I brought them up like twins. There is only one year between them and from the beginning they played

together, fought together, with hand and foot and fist, as boys will. They went to school together, fighting, laughing, and arguing, all the way. They shared their clothes and toys, and as they grew they shared their thoughts and plans. And through it all, I was growing too, learning on the job, teaching, explaining, and understanding.

**B2.** Arrange the following sentences in the chronological order as they appear in the passage: **(2)**

- i) I brought them up like twins.
- ii) The house is quiet
- iii) They went to school together.
- iv) The house will remain as neat as a pin till evening when my husband returns.

**B3. Vocabulary Questions:**

**(2)**

- i) Pick out words from the passage that mean: 1) household tasks 2) small waves in water
- ii) Give the noun forms of: 1) grew 2) calm

-2-

**B4. Language Study:**

**(2)**

- i) Just an hour before the children return from school.

(Separate the Subject and Predicate)

- ii) They went to school together.

(Frame 'Wh' type question to get the underlined part of the sentence as the answer)

**B5. Personal Response:**

**(2)**

How did the children behave between themselves? Explain.

### (Section II: Poetry)

**Q3.A Read the following extract and do the given activities. (5)**

**A1.** Answer in just a word or two:

**(2)**

- i) How should the chocolate cake be according to the brats?
- ii) How much of the cake will the brats devour?
- iii) What does the poetess call the brats?

iv) What kind of guests do these brats turn out to be?

But let us speak of chocolate cake,  
It must be frosted o'er;  
Then they'll devour three full slabs,  
And calmly ask for more.

Oh, I do so always love to eat  
With picky little pests  
Whose parents joy to make them  
The most undesirable guests!

**A2.** i) Give the rhyming words from the given extract.

**(1)**

ii) Give the full forms of:

**(1)**

Short Forms	Full Forms
1. they'll	-----
2. o'er	-----

**A3.** Pick out an example of Alliteration from the extract.

**(1)**

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

**B1.** Complete the following:

**(2)**

How we should treat the people

We should...  
1. be -----.  
2. hold on -----.

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 your 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) What is the tone of the Poem?  
**(1)**

ii) Write the rhyme scheme of the first verse  
**(1)**

**B3.** Name and explain the Figure of Speech:  
**(1)**

'And dreaming a little and doing much'

**(Section III :Rapid Reading)**

**Q4A.** Read the following extract and do the given activities: **(5)**

**A1.** Mention the characters involved in the extract.  
**(1)**

He walked off to his car, sat in the back seat and reflected. He looked at his watch. Midnight. If the will was to be signed, it must be done within the next two hours, or never. He could not be responsible for a mess there; he knew the family affairs too well and about those wolves. Subbiah and his gang. But what could he do? If he asked him to sign the will, it would virtually mean a death sentence and destroy the thousandth part of a chance that the patient had of survival. He got down from the car and went in. He resumed his seat in the chair. The patient was staring at him appealingly. The doctor said to himself, "If my word can save his life, he shall not die. The will be damned."

-3-

**A2.** Strike the odd man out and rewrite the sentence.  
**(2)**

i) The patient's family/ Subbiah and his gang were the wolves.  
ii) The doctor said to himself/ patient wife, "If my word can save his life, he shall not die. The will be damned."



A3. What are your ideas about doctors? Do you think they are life savers? Explain.  
(2)

**(Section IV: Writing Skills)**

**Q5A. Letter Writing –Formal / Informal**  
(5)

**A1.** Write a letter of appreciation to the Municipal Commissioner of your area for the good work done by his garbage collection team.

**OR**

**A2.** Read the following news headline:

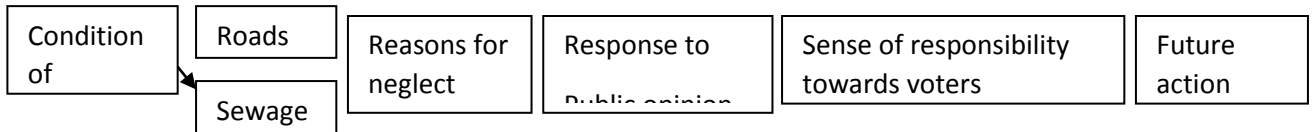
**Water shortage hits city**  
**Citizens furious with authorities.**

Write a letter to your uncle telling him about the difficulties you are facing.

**Q5B. Interview 10 Questions/ Report Writing**  
(5)

**B1.** Write about ten questions that you would ask a local Politician regarding the neglected condition of

your city . You may use the following points.



**OR**

**B2.** Recently you attended a workshop on self-defence in a neighbourhood park of your colony. Prepare a report of the event to be published in the School Magazine.

**Q6A. Information Transfer: (Verbal to Non-Verbal/ Non-Verbal to Verbal)**  
(5)

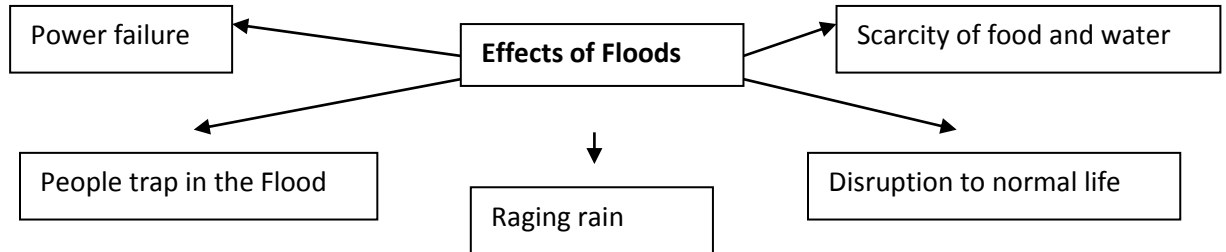
**A1.** Read the following extract and transfer the information in the form of a Tree Diagram.

We all read for variety of reasons. Our basic reason for reading is probably pleasure. We read literature mostly because we enjoy it. Reading for pleasure may take various forms. We may read just to pass the time. We often read for information and knowledge. We find pleasure in learning about life in the Swiss Allps or the Mississippi river. We also read simply for enjoyment. We get pleasure from the arrangement of words. We can find pleasure even in syllables just as

children like the sound 'ring around the Rosie' although they may not know what the words mean.

OR

A2. Transfer the following information into a paragraph. (Not more than 100 words)



Q6B. Speech or View and Counter view.

(5)

B1. You read the following piece of information on the Internet.

Thirty years ago, the scientist James Lovelock (known as the Green Guru) worked out that the Earth possessed a planetary- scale control system which kept the environment fit for life. He called it Gaia, and the theory has become widely accepted. Now, he believes mankind's abuse of the environment is making that mechanism work against us. His astonishing conclusion- that climate change is already insoluble and life on earth will never be the same again.

Write a speech acquainting (tell) your class about the environment crises that are worsening around

the world.

OR

B2. Write a paragraph on the basis of the Counterviews given below. Add a few more points of your own.

**Stop Over-viewing TV Programmes**  
1. Wastage of time. 2. Kills imagination. 3. Destroys thinking power. 4. Creates physical problems.

Q7A. Expansion of ideas/ Developing a Story (Attempt any one of the following)

(5)

A1. Expand any *one* of the given two ideas:

- i) Dishonesty never pays in the long run.
- ii) Value of time in life.

OR

A2. Develop a story wherein any one of the above given topics is the moral. Give suitable title.

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

*Thakur Educational Trust's (Regd)*

THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE

III – Preliminary Examination 2016- 2017

Subject: Algebra

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

Marks: 40

Date: 7/1/2017

Time: 2hrs

**Q I) Attempt any five sub-questions from the following (5)**

- 1) For an A.P, if  $S_{10} = 300$  and  $S_9 = 243$ , then what is  $t_{10}$ ?
- 2) Write the quadratic equation for which  $\alpha + \beta = -4$  and  $\alpha \beta = -3$
- 3) If the value of the determinant  $\begin{vmatrix} m & 2 \\ -5 & 7 \end{vmatrix}$  is 31, then find the value of m.
- 4)  $S = \{1, 3, 5, 7, 9, 11\}$  Event  $A = \{1, 7, 9\}$  Event  $B = \{3, 5, 11\}$ . What type of events are A and B?
- 5) The classes are 10-19, 20-29, 30-39. Find the class mark of the class 20-29.
- 6) For an A.P, if  $a = 10$  and  $d = 3$ , find  $t_n$ .

**QII) Attempt any four sub-questions from the following (8)**

- 1) For an A.P, find  $S_{10}$ , if  $a = 5$  and  $d = 2$ .
- 2) Solve the following quadratic equation by factorization method  $64x^2 - 625 = 0$ .
- 3) Find the value of 'p' for which  $3x + y = 10$  and  $9x + py = 23$  have unique solution.
- 4) If one root of the quadratic equation  $Kx^2 - 7x + 5 = 0$  is 1, find the value of 'K'.

5) There are 15 tickets bearing the number 1 to 15 in a bag. One ticket is drawn at random from a bag. Find the probability of event A that the ticket drawn bears multiple of 5.

**QIII) Attempt any three of the following sub-questions (9)**

1) Find the value of ' $k$ ' for which the quadratic equation  $k^2x^2 - 2(k - 1)x + 4 = 0$  has real and unequal roots.

2) Find three consecutive terms in A.P. whose sum is 27 and their product is 504.

3) If Three coins and tossed simultaneously, then find the probability of the following events.

- a) Event A : Tail appears at least twice.
- b) Event B: Head appears at the most twice
- c) Event C : Head appears twice.

4) The measurements (in mm) of the diameters of the head of the screws are given below : Calculate the mean diameter of the head of the screw by step Deviation Method.

Diameter in mm.	33-35	36-38	39-41	42-44	45-47
No. of Screw	10	19	23	21	27

**QIV) Attempt any two sub-questions: (8)**

1) The sum of the areas of two squares is 400 sq. m. If the difference between their perimeters is 16m, find the sides of two square.

2) Solve the given simultaneous equation.

$$\frac{1}{3x} + \frac{1}{5y} = \frac{1}{15}; \frac{1}{2x} + \frac{1}{3y} = \frac{1}{12}$$

3) Represent the following data using histogram & hence draw frequency polygon.

No. of words typed per mins.	30-39	40-49	50-59	60-69	70-79
No of typist	2	8	15	12	3

**QV) Attempt any two sub-questions. (10)**

1) If  $m$  times the  $m^{\text{th}}$  term of an A.P. is equal to  $n$  times its  $n^{\text{th}}$  term then show that the  $(m + n)^{\text{th}}$  term of the A.P

is Zero

2) A businessman bought some items for ₹ 600, keeping 10 items for himself he sold the remaining items at a

profit of ₹ 5 per item. From the amount received in this deal he could buy 15 more items. Find the original

price of each item.

3) Sharad brought a table and a fan together for ₹ 5,000 After some time he sold the table at the gain of 25%

and the fan at a gain of 20%. Thus he gained 23% on the whole. Find the cost of the fan.

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

*Thakur Educational Trust's (Regd)*

THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE

III Preliminary Exam. 2016- 2017

Subject: General Maths - I

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

Marks: 40

Date: 07/01/2017

Time: 2hrs

**Q I) Attempt any five sub-questions from the following (5)**

- 1) For the given A.P. 5, 10, 15,20.....find the common difference (d).
- 2) In linear equation  $x + y = 5$ , if  $x = 3$ , then the value of  $y$ .
- 3) The number of notebooks (n) and the cost of notebooks (P) have direct variation between them. Write it symbolically.
- 4) Find the sale price when the marked price is ₹ 80 and discount is ₹ 20.
- 5) The marked price of goods is ₹ 500 and the discount rate is 10% . Find the discount.
- 6) If  $y \propto \frac{1}{x}$  and  $x = 7$  when  $y = 9$ , find the constant of variation (k)

**QII) Attempt any four sub-questions from the following (8)**

- 1) If  $t_n = 4n - 3$ , find the first two terms of A.P.
- 2) If  $a = 3$ ,  $b = 7$ ,  $c = 1$ , then find the value of  $b^2 - 4ac$
- 3) Determine whether (4, 6) is the solution of the linear equation,  $x + y = 10$
- 4) An agent sold an article for ₹ 8,000 by taking 8% commission. Find the commission of the agent.
- 5) Mr. Snajay purchased a TV for ₹ 6,000. The rate of Central Sales Tax (C.S. T) is 2%. Find the C.S.T on the TV.

**QIII) Attempt any three sub- questions from the following (8)**

1) Solve the following quadratic equation by factorization method.  $x^2 + 8x + 15 = 0$

2) Solve the following simultaneous equations by the method of elimination  
 $x + y = 7$  and  $x - y = 3$

3) Complete the following table in which  $p \propto q$

p	2	3	4	.....	6
q	10	15	.....	25	.....

4) A shopkeeper marks his good 20% above the cost price, but allows 5% discount for cash purchase.

What per cent profit does he take?

**QIV) Attempt any three sub-questions from the following:**

**(9)**

1) Solve the quadratic equation by formula method :  $3x^2 + 7x + 2 = 0$ .

2) The length of a piece of cloth varies directly as its cost. The cost of cloth having length 24m is ₹ 840.  
Find

the length of a cloth having cost ₹ 525.

3) Mr Albert's gross annual income is ₹ 5,00,000 for the F.Y. 2012-13. His annual saving in this year are as follows.

a) L.I.C premium = ₹ 70,000

b) Contribution towards P.F. = ₹ 12,000

c) P.P.F = ₹ 30,000

d) N.S.C. = ₹ 10,000.

Find the taxable income and income tax for F.Y. 2012-13.

**QV) Attempt any two sub-questions.**

**(10)**

1) Find the sum of all natural numbers from 1 to 200 which are divisible by 4.

2) 5 pens and 6 pencils together cost ₹ 37 and 3 pens and 3 pencils together cost ₹ 21. Find the cost of a pen

and a pencil.

3) A dinner set is sold for ₹ 1,500 cash ₹ 1,000 cash down payment and ₹ 545 to be paid in one installment

after 6 months. Find the rate of interest charged under installment scheme.

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

*Thakur Educational Trust's (Regd)*

THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE

III Preliminary Exam 2016- 2017

Subject: Science - I

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

\_\_\_\_\_

Marks: 40

Date: 5/01/2017

Time: 2 hrs

Q1. A) 1) Fill in the blank and rewrite the completed statement:

(1)



a) The element eka-aluminium in Mendeleev's periodic table is known as \_\_\_\_\_ in the modern periodic table.

**2) State whether the following statement is True or False :** (2)

a) Resistivity of pure metals is more than that of alloys.

b) Chemical reactions in which reactant gain Hydrogen are reduction reaction.

**3) Find the odd one out and write it:** (1)

a) Armature coil, brushes, commutator, direct current.

4) Give the definition of a pollutant. (1)

**(B) Rewrite the following statements by selecting correct options :** (5)

1) To increase the effective resistance in a circuit the resistors are connected in \_\_\_\_\_.

a) series    b) parallel    c) both ways    d) none of these.

2) If there are 8 divisions between the 0 mark and 0.4 A mark of an ammeter, its least count is \_\_\_\_\_

a) 0.050 A    b) 0.025 A    c) 0.040 A    d) 0.020 A

3) Mixture of several indicators is known as \_\_\_\_\_ indicator.

a) synthetic    b) universal    c) olfactory    d) natural

4) The absolute refractive index \_\_\_\_\_.

a) is expressed in diopetre    b) is expressed in m/s.

c) of air is about  $\frac{4}{3}$     d) has no unit.

5) According to the new Cartesian sign convention, \_\_\_\_\_ of the mirror is taken as the origin.

a) the pole    b) the focus

c) any point    d) the centre of curvature.

**Q.2) Answer any five of the following :** (10)

1) Give scientific reasons :

Mettalic character decreases from left to right in a period.

2) Does  $Mg(OH)_2$  react with sodium hydroxide? If not, why?

- 3) What do you observe when  $H_2S$  gas is passed through Cadmium chloride solution? Name the type of reaction.
- 4) Draw a neat and well-labelled ray diagram for image formation by a convex lens when an object is placed between  $F_1$  and  $O$ .
- 5) What are the merits of Mendeleev's periodic table?
- 6) Write two applications of bleaching powder.

**Q.3) Answer any five of the following :**

**(15)**

- 1) Explain the construction and working of Electric motor.
- 2) Explain how a rainbow is formed.
- 3) Explain the terms Endothermic reactions:  
Give two examples of such reactions.
- 4) What major harm is done to the human beings by air pollution?
- 5) State and explain any three important safety measures in using electricity.
- 6) What is a mirage? When can you see a mirage? Explain with reason.

**Q.4) Answer any one of the following :**

**(5)**

- 1) When do you say that the resistors are connected in parallel? Find the expression for the resistors connected in this way. (Draw a circuit diagram).
- 2) What is hypermetropia? What are the possible reasons of hypermetropia? How is it corrected? Explain with figures.

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

*Thakur Educational Trust's (Regd)*

THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE

III Preliminary Exam 2016- 2017

Subject: Science - II.

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

Marks: 40

Date: 10/01/2017

Time: 1hr.

**Q1. A) 1) Fill in the blank and rewrite the completed statement: (1)**

a) Dominant character masks the \_\_\_\_\_ character.

**2) State whether the following statement is True or False : (1)**

a) Carbohydrates are the body building nutrients.

**3) Considering the relationship in the first pair, complete the second pair: (1)**

a) Fossil fuel : Petrol :: Animal dung : \_\_\_\_\_.

**4) Find the odd one out and write it: (1)**

a) Blood vessels, Dendrites, Cyton , Axon.

**5) Name the following.**

**(1)**

a) Two plants which undergo vegetative propagation :

**(B) Rewrite the following statements by selecting correct options : (5)**

1) A solution of  $Al_2(SO_4)_3$  in water is \_\_\_\_\_.

a) blue b) pink c) green d) colourless.

2) When sodium bicarbonate solution is added to dilute acetic acid, \_\_\_\_\_

- a) a gas is evolved                      b) a solid settles at the bottom
- c) the mixture becomes warm        d) the colour of the mixture become warm.
- 3) The cell organelle, \_\_\_\_\_ is concerned with photosynthesis.
- a) ribosome   b) endoplasmic reticulum   c) Golgi bodies   d) chloroplast
- 4) Budding in Hydra takes place only when\_\_\_\_\_.
- a) Hydra is matured        b) conditions are unfavourable.
- c) Golgi bodies                      d) chloroplast.
- 5) The process of release of energy from the nutrients is called \_\_\_\_\_.
- a) respiration                      b) photosynthesis
- c) nutrition                      d) absorption.

**Q.2) Answer any five of the following :**

**(10)**

- 1) Give scientific reasons :
- a) Insulin plays an important role in controlling the sugar level of blood.
- 2) Explain Sporogenesis.
- 3) Define heredity. Give two examples.
- 4) What are the two types of nerves? What are their function?
- 5) Write a short note :a) Paleontological Evidence.
- 6) Explain the following reaction with the help of balances equation.
- a) Calcium reacts with water.

**Q.3) Attempt any five of the following :**

**(15)**

- 1) Give the properties of Ionic compound.
- 2) Write a short note on:  
Co-ordination in plants.
- 3) Describe three modes of reproduction in unicellular organism.
- 4) What are the powers of MPCB to control water and air pollution?
- 5) Describe Darwin's theory of Natural Selection.
- 6) Explain the mechanism of the cleaning action of a soap.

**Q.4) Answer any one of the following :**

**(5)**

- 1) Write the formula of bauxite. Describe Bayer's process for concentration of bauxite.
- 2) Draw a well – labelled diagram of the following : Vertical section of the human heart. Describe circulation of blood within the heart.

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

*Thakur Educational Trust's (Regd)*

THAKUR VIDYA MANDIR HIGH SCHOOL & JR.COLLEGE

III Preliminary Exam 2016- 2017

Subject: Geography

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

Marks: 40

Date: 09/01/17

Time: 2hr.

**QIA) Fill in the blanks**

**(3)**

- 1) \_\_\_\_\_ is the most continuous, loftiest and northern most range of Himalaya.
- 2) Agra is a \_\_\_\_\_ city.
- 3) The southern Ghats are named \_\_\_\_\_.

**QIB) Match the following**

**(3)**

- |             |                   |
|-------------|-------------------|
| 1) Palghat  | a) A hill station |
| 2) Saputara | b) An airport     |

- 3) Agatti                                  c) A place of worship  
 d) A gap in the ghats.

**QII A) Give Reasons for the following Statements (Any- 2) (4)**

- 1) Rain water harvesting is very important in Rajasthan desert.
- 2) The Deccan plateau is home of many languages.
- 3) The Himalayas determine climatic conditions of India

**QII B) Write Short notes On (Any-2) (4)**

- 1) Arabian Sea Island.
- 2) Arunachal Himalayas.
- 3) Biodiversity of Assam Plain.

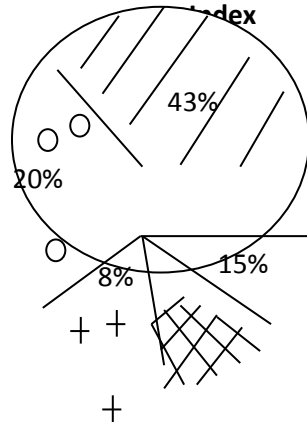
**QIII A) Prepare a divided rectangle with the basis of following data.**

Crops	Irrigated areas.
Rice	31.5
Wheat	31.00
Sugarcane	5.3
Oilseed	8.6
Cotton	4.0
Others	19.6

+                                  Passen  
 Commercial Vehicles  
  
 Three Wheeler  
  
 Two Wheeler

**QIII B) Observe the diagram and answer the following questions. (2)**

Name	Sign.
------	-------



Rice	
Coarse Cereals	
Pulses	
Oilseed	
Cotton	

- 1) Name the above figure?
- 2) Which crop shows the highest production? How many percent?
- 3) Which crops show 8% production.
- 4) Production of which crops is about 20%

**QIII C) Mark the following on the outline map of India.**

**(2)**

- 1) Western Coastal plain.
- 2) Sikkim Himalayas.
- 3) River Narmada.
- 4) Area of tea plantation in western Ghats.

**QIV) Answer the following questions in detail - any -2**

**(8)**

- 1) Explain any four divisions of Central Highlands in details.
- 2) Explain the climate of Punjab Haryana plain.
- 3) Give the information about Agriculture in the Western Ghats and Plains.

**QV) Fill in the blanks**

**(2)**

- 1) Production activities are mainly classified into \_\_\_\_\_ sectors.
- 2) Inflation is generally associated with rapidly \_\_\_\_\_ prices.

**QVI) Answer in one or two sentence.(Any 3)**

**(6)**

- 1) What is 'Dual Pricing Structure'?
- 2) What is Bark Rate?
- 3) What are the two main causes of Inflation?
- 4) Explain the problem of ' what to produce'.
- 5) Which classes are looser during inflation?

**QVII) Answer the following questions. in details - (Any -1)**

**(4)**

- 1) What are the measures suggested to remove the defects of Public Distribution system.
- 2) Explain the effects of inflation on distribution.

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