Holy Angels' School 2nd Semester 2021 - 2022

Std. VIII

Time: 3 hrs

Sub. Science

Date: 02 / 03 / 22

Marks: 80

Ge	neral	Instructions	
		20110118	•

- 1) The question paper comprises three sections A , B and C. Attempt all the sections. 2) All questions in section 'A' are 1 mark questions. Section 'B' are 3 marks questions
- 3) This question paper consists of total 36 question

100	ar 30 questions .	
1) Loudness of a sound is determined by i a) Frequency 2) Which of these metal is deposited on irra a) Gold b) Silver 3) 'Shooting Star' is the name given to a) A comet b) A meteor 4) A battery is connected to LED wires froplaced in different liquid. In the case of	1 Mark each) it's c) Energy on to prevent corrosion of c) Chromium c) An astroid om the negative ends of which liquid the LED will c) lime juice on the angle of reflection in	d) An artificial satellite the battery & the LED are Il not glow? d) salt solution is
6) Which eyedefect can be corrected by u	(A) 60°	d) 40°
b) Cataract	c) Hyperopia	d) Glaucoma
7) Name the scale used to measure the m	nagnitude of an earthqua	ake. Siehe
8) What is asexual reproduction? Give an		Richterse are
9) What is the range of audible vibrations	for the normal human e	ear? 20HZto 20,000Hz
10) Name the hormones responsible for s	sexual maturity in males	s and females. Fiberty Glands
11) Define Dispersion		

- 12) Write two damaging effects of lightning.
- 13) What is endocrine system?
- 14) You can hear the sound of an approaching train long before you see it by placing your ear on the metal track why?
- 15) Name two diseases caused by drinking polluted water.

HAS VIII Sci. Pg 1

16) What are astroids?

- 17) Name two green-house gases.
- 18) Suggest two way of minimising noise.
- 19) What is potable water?
- 20) Write full form of CFC.

Section B (3 marks each)

- 21) Draw a well labelled diagram of electroscope.
- 22) a) What is fertilization?
 - b) Differentiate between external and internal fertilization. Give two examples of each.
- 23) Name the following:
- a) A comet which seen after every 76 years.
- b) A constellation of seven stars shaped like a big spoon.
- c) A heavenly body which revolves around a planet.

OF

- 23) What are the safety measures you should adapt during earthquake (any 3 points)
- 24) Explain with an example why the pituitary gland is called the master gland.
- 25) Describe the structure of the Earth. Draw Diagram
- 26) a) Name the gases which cause acid rain.
 - b) Name two ill effects of acid rain.
 - c) What are the ways in which pollution from vehicles can be reduced.
- 27) a) Why it is important to take care of our eyes?
 - b) Suggest 2 methods to maintain eyes in healthy state.
- 28) a) Name two impacts of Nitrogen Oxide on human health.
 - b) How does carbon monooxide cause harm to human body?
 - c) What are the side effects of lead on human health.
- 29) What will you do to ensure your safety if lightning strikes when you are outdoors?
- 30) A) State True or False write correct statement:
- a) Electrons can be transferred by rubbing only.
 - B) Answer in one word :-
- a) Name the unit used to measure loudness.
- b) Sound waves having frequencies 261.62 Hz, 523.24 Hz, 784.86 Hz produce a musical sound?

Section C (5 marks each)

31) How is the sex of a child determined and explain with the help of a diagram.

261.62 + 261.62 523.24

32) i)	Bacteria reproduce by
ii)	what is hermaphrodite.
	Define metamorphosis.
	Name any two viviparous animals.
	What is menstrual cycle?
33) i)	what is reflection?
ii)	What are the laws of reflection?
iii)	What is regular reflection? State one advantage of regular reflection.
	Find the number of images formed by a plane mirror if the angle between them is 60°. OR
	Distinguish between Myopia and Hyeropia. Show with the help of suitable diagram how ese defects can be corrected?
ii) A	Certain sounds are not audible to us even if they are loud. Explain. Derson standing at a point 12m from a wall that produces an echo will not hear it why? Trite short note on "Ill effects of noise." - Tritine a) Amplitude b) Frequency
ii) Me iii) Ide a) Iar b) Iha	What are the applications of communication satellites? Froury, venus, Earth and Mars are called the terrestrial planets, why? Finitify me:- The arcock that falls from space on the Earth's surface - The polar snowcaps The largest dwarf planet of the solar system The largest dwarf planet of the solar system
36) St	udy the picture and answer the questions 'A' and 'B' are two different atoms. '+' cate Proton and ' – ' indicate electron.
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

- i) Which atom looses electrons?
- ii) Which atom gain electrons?
- iii) Which atom will be positively charged?
- iv) Which atom will be negatively charged?
- v) When silk cloth is rubbed on glass rod what kind of changes develop on silk cloth and glass rod.

 HAS VIII Sci. Pg 3

Holy Angels' School

2nd Semester Exam - 2022

Time: 3 hrs.

Subject :- Marathi

Marks: 80 Std.: VIII

सुचना : १) प्रश्नपत्रिकेत एकूण क, ख, ग, घ असे चार खंड आहेत.

२) प्रत्येक खंड लिहिणे आवश्यक आहे.

Date: 04-03-2022

- ३) प्रत्येक खंड व प्रश्न क्रमाने लिहिणे आवश्यक आहे.
- ४) अक्षर सुवाच्च असावे.

खंड 'क' (अपठित विभाग) (१० गुण)

प्र. १ अ) खालील उतारा वाचुन प्रश्नांची उत्तरे लिहा. (प्रत्येकी १ गुण)

(4)

लक्ष्मणराव किलोंस्करांचा जन्म एका छोट्याशा खेड्यात झाला. लहानपणापासूनच त्यांचे नैमलेल्या अध्यासात मुळीच लक्ष नव्हते. मोडकी-तोडकी घड्याळे, चित्रे, खडू, कोळसा अशा वस्तु ते गोळा करत. स्टेशनवर जाऊन आगगाडीचे इंजित पहात बसायला त्यांना खूप आवडे. शाळेत देखील गणित-संस्कृत असे विषय त्यांना मुळीच आवडायचे नाहीत. मात्र भूमिती, भूगोल, चित्रकला हे त्यांचे आवडते विषय. वयाच्या पंधराव्या वर्षी त्यांनी शिक्षण सोडून देण्याचा निश्चय केला. यंत्राची त्यांना विलक्षण आवड. त्यामुळे चित्रकलेचे शिक्षण सोडून ते एका भांडी बनविण्याच्या कारखान्यात काम करू लागले.

नुसतेच एखादे यंत्र चालवून त्यांचे समाधान होत नसे. ते यंत्र कसे बनवले आहे याकडे त्यांचे लक्ष असे. पूर्वीचा कसलाही अनुभव नसतांना एका छापखान्यात जर्मनीहून आणलेले छपाईयंत्र व ऑईल इंजिन बसविण्याचे कामही त्यांनी केले. नव्या नव्या यंत्रांशी खेळण्याचा त्यांना जणू छंदच जडला होता. प्रत्येक नवे यंत्र म्हणजे त्यांना एक नवे आव्हान वाटत असे.

१) लक्ष्मणरावांचे आवडते विषय कोणते होते ? (१)

२) लक्ष्मणरावांना कोणता छंद जडला होता ? (१)

३) लहानपणी लक्ष्मणरावांना काय काय आवडे ? (१)

४) अनुभव नसतानांही लक्ष्मणरावांनी कोणते काम केले ? (१)

५) या उताऱ्याला योग्य शीर्षक द्या. (१)

ब) खाली दिलेली कविता वाचून त्याखालील प्रश्नांची उत्तरे लिहा.

(4)

'प्रकाशातले तारे तुम्ही'

प्रकाशातले तारे तुम्ही, अंधारावर रूसा,

हसा, मुलांनो हसा । । धृ । ।

तुम्हां बोलवी ती फुलराणी

खेळ खेळती वारा पाणी

आनंदाच्या शिखरावरती, खुशाल जाऊन बसा ।।१।।

रडणे हा ना धर्म आपुत्ता हराण्यासाठी जन्म घेतला धारतधूच्या आदशाँचा, मनी उमदू दे ठसा ।।२ ।। सर्व मागचा विसरा गुंता अरे उदयाच्या नकोत चिंता बघा, अरूण तो बाळांना रे, तुम्हां खुणावितो कसा ।।३ ।।

- उमाकांत काणेकर

प्रश्न एका वाक्यात उत्तरे लिहा. (प्रत्येकी १ गुण)

- १) कवी मुलांना कोठे बसायला सांगत आहे ?
- २) मुलांना कोण बोलावत आहे ?
- ३) मुलांनी कशाची चिंता करू नये, असे कवीला वाटत आहे ?
- ४) मुलांना कोण खुणावत आहे ?
- ५) खेळ कोण खेळत आहे ?

				खंड	'ख' (ਕ	गकरण)	(२२ गुष	π)
ਸ਼. ੨	31)	जोड्या लावा	ा. (प्रत्येकी					
		'अ'	गट	1			'ब' गट	
	٤)	मंजुळ				अ)	चोची	
	۲)	झिलमिलणारे				ৰ)	जग	
	₹)	चिवचिवणाऱ्य	Τ			क)	चंद्रचांदा	मे
	8)	भरकटलेले				ਵ)	गाणे	
	ৰ)	समानार्थी शब	द लिहा. (१	प्रत्येकी १	गुण)			
		१) नदी २) सागर	३) वृक्ष	४) चंद्र	६ ५)	बुलंद	६) घाव
	क)	विरूद्धार्थी श	ाब्द लिहा.	(प्रत्येकी	१ गुण)			
		१) जळणे	२) मंजुळ	₹)5	नगणे 🔌	४) सजीव	ſ	
	ਭ)	सामान्यरूपे अ	गेळखा. (प्रत्येकी १	गुण)			
		१) सृष्टीचे	२) दुसऱ	यासाठी	३) संस	कारांची	8):	सागराची
3	{ })	पुढील शब्द शु	द्ध स्वरू	पात लिहा	. (प्रत्येव	ने १ गुण)	
		१) जीवण	२) नदि	3)	तूळस	४) नि	र्सग	
Ч	ন)	अचूक अर्थाचा	। पर्याय नि	वडा. (प्र	त्येकी १	गुण)		
		१) जीव लावणे	-					
		a) गाणे म्हणणे	b) आव	डते होणे	c) माय	11 करणे		
	२) घाव सोसणे -							
		a) प्रहार सहन व	न्रणे b)	रागावून	बोलणे	c) तुक	डे करणे	

(5)

(ξ)

(8)

()

(8)

()

(

HAS VIII Marathi

Я. Э	अ)	रिकाम्या जागा गर्न	त विभाग) (३३ गुण)	
	१)	खंड 'ग' (पठि रिकाम्या जागा पूर्ण करा. (प्रत्येकी १ गुण) दुर्शी टेक्कि		
	۲)	दृष्टीं देखिलें। माझे भेटलें ।।	1811 stolement (90)	
	₹)	भेटलें ।।		
	٧)	म्हणे आले घरा ।।		
	4)	संगे बोरीया बाभळी । तयाच्यातीच होती ।		_
	E)	नाही तरी वाहावा खरा ऐसा ।		
	(9)	पुस्तकांत सर्व भट्टांस्तरी		2
	()	पुस्तकांत सर्व धड्यांखाली क्यू आर.कोड म्हणजे क्विक	महितरी दिलेले आहे. 	
	9)	मोबाईलवर क्या आर. कोड स्कॅबर है	काड. 	
	१०)	क्यू.आर.कोड स्कॅन केल्यानंतर आपल्याला प	साफ्टवंअर डाऊनलोड करावे लागते. ाठ, कविता, इतर घटक या संबंधीच्या काही	
			्राच्याना	
ৰ)	٤)	पुढील तक्ता पूर्ण करा.)
		कवीला जगणे शिकवणारे घटक	या घटकांपासून कवी काय शिकले ?	
		१) चंद्र, चांदणे	अ) -	
		२) पणती	आ)-	
		३) नदी	₹)-	
		४) पक्षी	₹)-	
		५) सागर, वृक्ष	ਤ) -	
7	?)	आकृती पूर्ण करा. (प्रत्येकी १ गुण)		
a)	अभंगातील दोन सण ii)]	15
b)		दिवस कसा आहे -		
		इष्टीस दिसले -		
c)		Control of the Contro		
d)	3	पुख झाले -		
e)	31	भंगातील झाडे — ii) iii)		
47		दनाच्या स्पर्शाने हुनोंधत होते ii)		

15. 15

	g)	हे जन संत दर्शनाने पावन होतात	
	h)	संतांच्या सहवासात काय साधावा	(F)
	3)	पुढील संकल्पना स्पष्ट करा. (एकूण २) (प्रत्येकी २ गुण)	(१)
	i)	बुलंद हौसले -	(8)
,	ii)	चोचीमधले दाणे -	(8)
	ጻ)	जोड्या जुळवा. (प्रत्येकी ½ गुण)	
	i) ii) iii) iv)	'अ' गट सुगंधी झाड उत्साह आणणारे ब) शीण निरसला क) चंदन जीवा ड) संत	(२)
ਸ਼. ४	अ)	खंड 'घ' (लेखन कौशल्य) (१५ गुण) पुढील सूचनाफलकाचे वाचन करून खाली दिलेल्या प्रश्नांची उत्तरे लिहा.	
	१)	सूचनाफलक कोणत्या तारखेला लिहिण्यात आलेला आहे ?	(५)
	۲)	सूचनाफलक कुठल्या विभागाकडून लिहिण्यात आला आहे ?	(१)
	₹)	माननीय पंतप्रधानांनी कोणती योजना जाहीर केली आहे ?	(१)
	٧)	मुंबई महानगरपालिकेने कोणती योजना राबविण्याचे ठरवले आहे ?	(१)
	५)	शहर स्वच्छ ठेवण्यसाठी काय काय करावे ?	(१) (१)

सूचना फलक

विषय : 'स्वच्छ मुंबई, सुंदर मुंबई' योजनेत नागरिकांनी सहभाग घेण्याविषयी सूचना

दिनांक : २६ जानेवारी

सार्वजनिक आरोग्य विभाग मुंबई महानगरपालिका

मुंबई शहरात राहणाऱ्या तमाम नागरिक, दुकानदार, फेरीवाले, भाजीविक्रेते व इतरही सर्वांस कळविण्यात येत आहे की, आपल्या माननीय पंतप्रधानांनी 'स्वच्छ भारत, रोगमुक्त भारत' ही योजना जाहीर केली आहे. याच योजने अंर्तगत मुंबई महानगरपालिकेने ही 'स्वच्छ मुंबई, सुंदर मुंबई' ही योजना राबविण्याचे ठरवले आहे.

मुंबई सार्वजनिक आरोग्य खात्यातर्फे तमाम नागरिकांना कळविण्यात येत आहे की, त्यांनी केरकचरा, घाण, विड्या सिगारेटची थोटके, कागदाचे बोळे कचरापेटीतच टाकावे. आपले शहर स्वच्छ ठेवण्यास आम्हांस सहकार्य करावे. आपली मुंबई स्वच्छ व सुंदर ठेवणे हे प्रत्येक नागरिकाचे कर्तव्य आहे याची नोंद घ्यावी.

सार्वजनिक आरोग्य विभाग, मुंबई महानगर पालिका

ब)	शब्दकोशाचा तुम्हाला कळलेला उपयोग तुमच्या शब्दांत लिहा.		
	् किंवा अणूरेणूतुनि, प्रगटित, विज्ञान, प्रकाश, दिव्य, क्रांती या सहा शब्दांचा शब्दकोशातील क्रम स्पष्टीकरण	(५) ासह सांगा .	
		(૫)	
क)	घाटातून जाताना घ्यायची काळजी या विषयीच्या पाट्या लिहा.	(૫)	
	किंवा		
	बागेत लावण्यात येणाऱ्या सुचनांच्या पाट्या लिहा.	(५)	

HAS VIII Marathi Pg 5

Holy Angels' School 2nd Semester 2021 - 2022

Sub. English

Date: 03 / 03 / 22

Marks: 80

Section A

Q:1 Read the passage and answer the questions given below :-

At school, Ashoke and Gogel are greeted by the secretary, Mrs. McNab, who asks Ashoke to fill out a registration form. He provides a copy of Gogel's birth certificate and immunization record, which Mrs McNab puts in a folder along with the registration "This way," Mrs Mc Nab says leading them to the principal's office.

Candace Lapidus, the name on the door says. Mrs Lapidus assures Ashoke that missing the first week of Kindergarten is not a problem, that things have yet to settle down. Mrs. Lapidus is a tall, slender woman with short white-blond hair. She wears frosted blue eye shadow and a lemon yellow suit. She shakes Ashoke's hand and tells him that there are two other Indian children at school, Jayadev Modi in the third grade and Rekha Saxena in fifth. Perhaps the Gangulis know them ? Ashoke tells Mrs Lapidus that they do not. She looks at the registration form and smiles kindly at the boy. Gogol is dressed in powder blue pants, red and white canvas sneakers, a striped turtleneck top. Questions:-

Std. VIII

Time: 3 hrs

- 1) Who greeted Ashoke and Gogol in the school?
- 2) How was Gogol dressed up ?
- 3) Write the meaning of the word 'immunization'.
- 4) Name the two Indian children at the school.
- 5) What is the name written on the door?
- 64) Describe Mrs. Lapidus appearance?

Q:2 Read the unseen passage and answer the question given below :-

(6)When we enter New York harbour, the first thing we see is the Statue of Liberty. What impresses us the most is its size and magnificance. Have you ever wondered how it came to be there? The Statue of Liberty was a gift from the people of France to mark the one hundred year anniversary of American Independence. In 1869, sculptor Frederic Auguste Bartholdi began to plan his concept for the monument.

Bartholdi chose the look of classic Greek and Roman figures. He envisioned Liberty as a strong and proud figure, one who personified not only the majestic Greek goddesses of the past, but also the working men and women of the present. Finally, in 1884, the work was finished, and Statue of Liberty was packed into 214 crates and sent to New York city. Only one problem stood in the way. While the French had a raised a lot of funds to build its foundation. It was not until a New York newspaper implored for donations that money became available. Finally, on 28th October 1886, Americans celebrated the unveiling of the Statue of Liberty.

Questions:

- 1) Why was the Statue of Liberty given as a gift to America by France?
- 2) What is the name of the sculptor of the monument 'the Statue of Liberty'?



3) What did the sculptor imagine the Statue of Liberty to be? 4) How many years did it take to unveil the Statue? 5) Write word from the passage which means the same as "imagined". 6) Which year the Statue of Liberty was unveiled? Section B Q:3 Choose the correct answer :-1) The name 'Nikhil' means: (5)(a) the one above all b) the one who cannot be defeated. c) the one who encompasses all. 2) Jatin was a _____ from a nearby village. a) farmer b) potter e) hawker 3) The last leaf on the tree made Johnsy realise that. a) she could brave the storm just as the leaf had. b) she was as weak as the leaf. c) new leaves would sprout soon. 4) Calpurnia cried out in her sleep because she was a) sad (b) frightened c) disturbed by some visitors 5) Mrs. McNab was a) The secretary to the principal at the elementary school. b) Ashoke's colleague at work. c) Gogol's first teacher. Answer the following in 2 - 3 sentences (any 8) :-1) Why was the Abbot of Aberbrothok loved by all? Q:4 2) Why did Gogol need a new name? (3) How does the poet describe life? 4) What did Pip do at the dawn the next day? 5) List four of Macavitj's abilities and four of his crimes. 6) Describe Calpurnia's dream. 7) According to the poet, what is the most effective way to kill a tree? 8) How did Johnsy recover? 9) What led to Fundan's disappointment?

(18

C

	1)	Why was Marie (any 4) :-	
	٠, ر.	Why was Mrs Lapidus confused by the idea of a good name?	12)
		The poet like called his manner to	
		S Jast Work fruity o mand	
	٥)	Why was Pip worried when he and Joe went to see how the soldiers hunted do	own the
Q:6			wii me
٦.٠		Write the meanings of :- Portents	10)
		amiss	
) forge	
	4)) fleeting	
	5)) truncate	
) surge	
) Abbot	
) gale) mìrthful	
	•	0) solemn	
		Section C	
Q:7		Do as directed :-	(15)
٠.,		The drama began, when the audience seated.	()
	,	(Change the sentence into compound sentence)	
	2)) Women who are courageous rise, above all challenges.	
		(Change the sentence into simple sentences)	
	3)) This issue will be taken up in the presence of the teacher.	
		(Change the sentence into complex sentence)	
	4)) Change the sentence from Indirect to Direct speech :	
	a)		
	b)		
	5)) Change the sentence from Direct to Indirect speech :-	
	a)) "Present the culprit", said the Judge.	Candhi
	b)		Ganum
	6)) Join the following sentences using Infinitives :	
	a)	My parents will hear this news. They will be shocked.	
	b)	I stand for my principles. I am not ashamed of it.	
	7)	the following contance by using a participle.	
	a)	He opened his locker.	
	,	(Garden) is my hobby.	
	8)	(Rewrite using the Gerund form of verb)	
		(Rewrite using the Sorator of my life	
	9)	My mother is the anchor of my life.	
		(Name and explain the figure of speech)	

Q:5

Think and answer (any 4) :-

- 10) Oh Death! Why do you come without a warning? (Name and explain the figure of speech)
- 11) Pick out the Non-finite verbs and state its kind.
- a) I tried to find the borrowed book.
- b) Smoking is injurious to health.

Section D

Writing Skills

Q:8 A) Read the paragraph and complete the table given below :-

(5)

Cleanliness - Its importance

Cleanliness is next to godliness. Personal cleanliness and cleanliness of our surrounding both are equally important. To maintain personal health, we should have a bath daily using soap and water. We should wear washed, clean clothes. We should not eat uncovered food or food prepared unhygienically. We should keep our surroundings clean. We should not litter. We should always use dustbins. We should inform the authorities if we find garbage or waste littered on the roads. We should never spit in public. We should not do anything to ruin the cleanliness of our surroundings.

OR

B) Read the paragraph and draw the tree diagram:

The tea we buy is usually classified according to its leaf size. Accordingly we have (i) Assam type of tea characterized by largest leaves. (ii) China type characterized by the smallest leaves and (iii) Cambodia characterized by leave of Intermediate size.

Letter writing :-Q:9

(5)

a) Write a letter to the principal of your school asking for 6 days leave to visit your native.

OR

b) Write a letter to your mother, thanking her for being your pillar of strength during the mos difficult times.

All Students of STD VIII and IX must note that on 5th Mar the exam timing will be 11:00 am Instead of 2:30 pm. This change is only for 5th march ie Saturday

Note sto will be having marathipaper on 4th 1 at 2:30 pm

No change for 4th March.

Holy Angels' School

Date: 07-03-2022

2nd Semester Exam - 2022

Time: 3 hrs.

Subject :- Mathematics

Marks: 80

Std.: VIII

Q. 1 A) Fill in the blar	iks :	
--------------------------	-------	--

- The probability of getting a blue marble from a bag containing 5 blue and 7 green marble is (5) 1)
- The change in which an increase or decrease in one quantity result in a corresponding 2) decrease or increase in another quantity, such that their product remains constant is called
- The interest calculated uniformly on the Principal for the loan period is _ 3)
- 4) _ is the amount of a substance that a container can hold.
- The plane consisting of two perpendicular number lines that intersect at a point is called a 5)

B) Match the column. Group 'A'

Group 'B'

1) Area of trapezium

2)

3)

1) $\pi r^2 h$

Area of quadrilateral

Volume of a cylinder

4) Volume of a cuboid

5) Area of rhombus 5) $\ell x b x h$

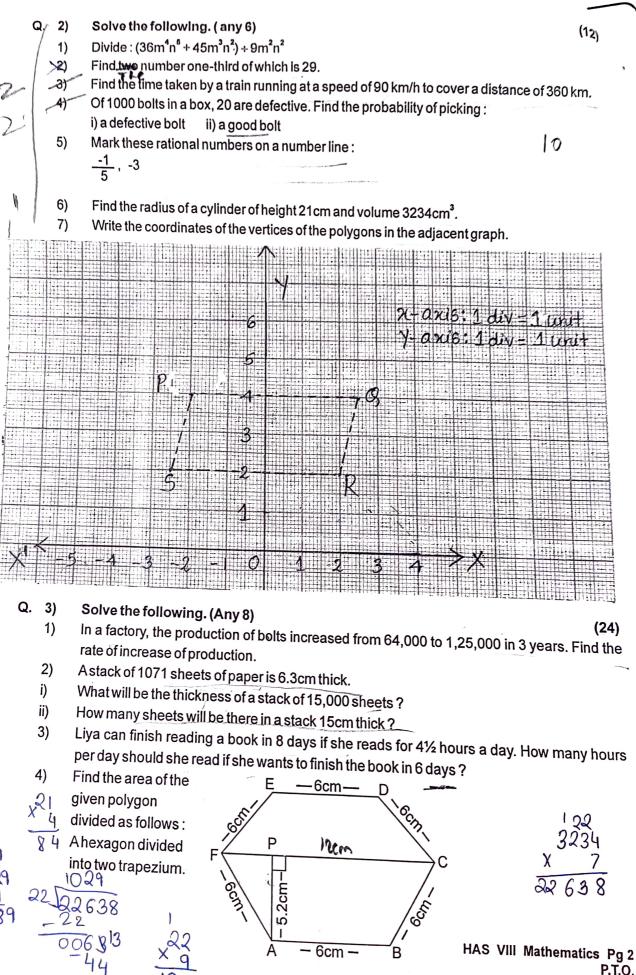
C) Solve the following.

- Without actually plotting the following points, state the quadrant in which they lie 1) i) K (-9, -6) ii) A (-12, 3)
- What is the probability of obtaining an odd prime number when a die is thrown? 2)
- 3) Find the volume of a cube of side 1.4 mm.
- What is the side of a square whose area is 121 sq.cm? T_{Stat} $T_{SH} = 6 \times (Side)^2$ 4)
- If Suraj can finish a work in 12 days, how much work can be he complete in a day? 5)
- Convert 18 km/h to m/s. 6)
- 7) Find the value of x if the terms in each are in proportion.

15:x::18:54

- Write the formula to calculate simple interest.
- Write algebraic expression for the following statement. 5 added to the sum of 5b & 3m.
 - Resolve into factors: 7m + 14

HAS VIII Mathematics



e de la constitución de la const

and

(10)

- 5) If the cost of painting a cubical block of wood at the rate of ₹2.50 per cm² is ₹1500, find the surface area and the edge of the block of wood.
- 6) From a pack of cards with two jokers, one card is drawn out. Find the probability of:
- i) getting a joker.
- ii) getting a face card.
- iii) getting a red ace.
- Plot the points P (-10, 10); Q (30, 10); R (50, 50); S (10, 50) in a coordinate plane and join them in order. What figure do you get?
 - 8) Find the amount and compound interest compounded annually on : ₹ 20,000 at 9% p.a. for 2 years.
 - 9) A road roller 140cm long and 77cm in diameter makes 300 revolutions to level a field completely. Find the area (in m²) of the field.

Q. 4) Solve the following. (any 6)

Draw a linear graph for the following data.

х	10	20	30	40	50
, у	150	200	250	300	350
					' 1 le

From the graph, find the value of

i) y when x = 25 ii) x when y = 310.

A teacher made a pack of 50 cards and numbered them 1 to 50. She asked one of the students to pick a card. What is the probability that the card picked is:

- i) a Prime number?
- ii) a multiple of 5?
- iii) a square number?
- iv) a cube number?
- In a book of 600 pages, there are 180 words per page on an average. If the number of pages of the book is reduced to 480, how many words per page on an average will the book contain?
- The numerator of a fraction is 7 less than the denominator. If one and one-third is added to it, the fraction obtained is $\frac{14}{9}$. Find the original fraction.
- 5) Factorise:
- i) $6x^2 + 9axy 4axy 6a^2y^2$
- ii) $6(2a-b)-15(2a-b)^2$

The area of four walls of a room is 57.6m².

i) If the height of the room is 3.2m, find the perimeter of the floor.

ii) If the length is 2m more than the width of the room, find the length and the width of the room.

The variables x & y in the given table, vary directly. Find the values of a, b, c & d.

Х	1.8	4.8	a	b	9.6
у	0.6	С	. 2.1	2.7	d

HAS VIII Mathematics Pg 3

(24)

2 /84 X 9

x 9 14 52 number

we you