

This paper consists of four sections.

Section A: Reading- 20 Marks

Section B: Writing - 25 Marks

Section C: Grammar -15 Marks

Section D: Literature -20 Marks

General Instructions:

1. Answer all questions.
2. All the answers must be numbered correctly.
3. Read each question carefully and follow the instructions.
4. Questions of each section must be answered together

SECTION-A (Reading)

(20 marks)

A.1. Read the passage given below and answer the questions that follow:

8 marks

My Grandmother and I were good friends. My parents left me with her when they went to live in the city and we were always together. She used to wake me up in the morning and get me ready for school. She said her morning prayer while she bathed and dressed me with the hope that I too would learn. I listened because I loved her voice but never bothered to learn it. Then she would fetch my wooden slate which she had already washed and plastered with yellow chalk, a tiny inkpot and pen, tie them all in bundle and hand it to me. After a breakfast of thick stale chapati with a little butter or sugar spread on it, we went to school. My grandmother always went to school with me because the school was attached to the temple. The priest taught us the alphabet and the Morning Prayer. While the children sat in rows on either side of the verandah singing the prayer or learning the alphabet, my grandmother sat inside reading the holy books. When we had both finished, we would walk back together.

- (a) The narrator and the grandmother were-----
- (b) Why was he left with grandmother?
- (c) Why did he listen to her morning prayer?
- (d) What did he have for breakfast?
- (e) Why did the grandmother always go to school with the narrator?
- (f) What did the priest teach the children?
- (g) What did the grandmother do meanwhile?
- (h) What would they do when they both finished their work?

A.2. Read the given passage and answer the questions that follow: 7x1=7marks

Soon the drum made of tamarind wood was ready. The courtiers assembled outside the king's door and the royal musician began to play. But instead of the thum thum thum that everyone expected, the Tamarind drum intoned, "The raja has horns on his head . The raja has horns on his head". The court burst out laughing and the king cried with rage. "I won't stay in the palace a moment longer," he shouted. "I'll go to the forest and live by myself." He tore the nightcap off his head and ran out of the palace, seizing the Tamarind drum on his way out. The king lived for several years in the forest. He gradually learnt about the beauty of the world around him. He learnt to care for creatures smaller than himself. He grew strong, wise and selfless. His only companion was the Tamarind drum, and the drum, when he beat it, gave him all the advice and experience of the old tree. He learnt to play it so beautifully that even the spirits of the trees were charmed and they went to meet the God who had given him the horns.

1. The drum was made of:
 - (i) Tamarind wood (iii) Rosewood (ii) Teakwood (iv) Sandalwood
2. The tamarind drum intoned, "The Raja has _____ on his head".
 - (i) Cap (iii) Hair (ii) Horns (iv) Hat
3. The king could not remain in the palace as
 - (i) He was cursed (iii) Everybody laughed at him
 - (ii) He was not humble (iv) He was angry and ashamed

4. The king lived in the forest for _____
- (i) 2 years (iii) 5 years (ii) Several years (iv) 10 years
5. In the forest, the king learnt about the _____ of the world around him.
- (i) Beauty (iii) Birds (ii) Nature (iv) Animals
6. The king became a better human being as
- (i) He had to live alone in the forest (ii) His companion taught him so
- (iii) He grew strong, selfless and wise (iv) He learnt to play the Tamarind drum
7. What did the Tamarind drum give the king?
- (i) Tamarind (iii) Horns (ii) Advice (iv) Food

A.3. Read the following poem carefully:

Each One, Teach One

Each one, Teach one.
 Let this be our slogan
 Let us spread the light
 Of learning, across the nation
 The gift of knowledge, they say
 It is loveliest gift of all.
 Let us offer this gift
 To those whose needs are small.
 To those who never learnt
 How to write or read
 Instead of making noises
 Let's get on with the deed.
 Let our country awaken
 From the slumber of centuries
 Let us make a pledge
 To vanish illiteracy

Complete the sentences according to the poem. (5)

- (a) The poet wants everyone to -----.
- (b) Each one teach one should be our ----- .
- (c) We have to spread the light of ----- across the nation.
- (d) We have to take a pledge to vanish -----.
- (e) Slumber means -----.

SECTION –B (Writing) (25marks)

B.1. You are Rashmi/Ravi of class VII. You lost your geometry box. Write a LOST NOTICE to be put up on the school notice board, giving all the details and using not more than 50 words. Write the notice
 5 marks

B.2. Write a letter to your friend inviting him to attend your birthday party.
 7 marks

B.3. Write a paragraph on the bad effects of watching television. 6 marks
 Hints: spending many hours in watching TV leads to vision problems---lack of physical activity ---- Obesity---lose concentration in studies---young minds gets easily influenced by Advertisements, serials and try to imitate them in real life.

B.4. Recently your school celebrated Science Day .Write your experience in your diary.
 7 marks

SECTION C: GRAMMAR

C.1. Complete the following passage by choosing the appropriate words from the options given for each blank.
 4x1=(4Marks)

I saw him walking (a) _____ (along , across, in, out of) the street and then running (b) _____ (across, along, on, at) the lawn. After crossing the lawn, he took off his clothes and jumped (c) _____ (into, in of, at) the swimming pool.(d) _____(in, at , about, before) 6 a.m. he came out of the pool and went into the dressing room to change his clothes.

C.2. Add ' -ly ' to the underlined word in each sentence. Rewrite the sentences using the new words. An example is given. (2Marks)

Eg: She drew the picture in a creative manner.

Ans: She drew the picture creatively.

a. It is

obvious that the work has not been done in a proper way.

- b. The job can be completed within a week in an easy way.
- c. You did not play in a serious manner, or else you would have won the match.
- d. She recited the poem in a cheerful manner.

C.3. Rearrange the following to form meaningful sentences. (4 marks)

- a. that can infect / a computer / is a programme / a computer virus
- b. or USB drive / can spread / a true virus / through the internet
- c. the host files / the network of file system / corrupting / viruses infect
- d. anti-virus software / known viruses / can detect / that / many users install

C.4.Fill in the blanks with a / an / the . (5marks)

- a. We enjoyed our holidays. _____ hotel was very nice.
- b. Can I ask _____ question?
- c. You look so tired. You need _____ break.
- d. Rita is _____ interesting person.
- e. Sahu is _____ honest man.

SECTION D: LITERATURE

D.1. Read the following extract and answer the questions that follow.

(3 Marks)

Unlike Golf and tennis, Cricket has refused to remake its tools with industrial or man-made materials: plastic, fiber glass and metal have been firmly rejected.

But in the matter of protective equipment, Cricket has been influenced by technological change. The invention of vulcanized rubber led to the introduction of pads in 1848 and protective gloves soon afterwards and the modern game would be unimaginable without helmets made out of metal and synthetic light weight materials.

- a) In what respect does Cricket differ from golf & Tennis?
- b) What does protective equipment refer to?
- c) When pads introduced in this game.

OR

Mr Wonka said , “ so once again I rolled up my sleeves and set to work. once again I squeezed my brain, searching for the recipe..... I had to create age to make people old... old older oldest..... “ Ha ha! I cried, for now the ideas were beginning to come. “ What is the oldest living thing in world? What lives longer than anything else?”

- a) Who was Mr Wonka? b)What did he invent? c)What was his first step to make new tonic?

D.2. Answer any five. (10 Marks)

- a) Why did the customer free the imprisoned doves in the story “I want something in a cage” ?
- b) Why did Abukhan’s goats want to run away?
- c) When was the bear tied up with her chain?
- d) What made grandfather decide to transfer Timothi to the Zoo?
- e) Who was Kalpana Chawla ?Why is she called an Indian American?
- f) How does Tillo managed to find his way to the forbidden passage”.

D.3. Imagine you are the author in the story “ A bicycle in good repair”. Write a diary entry expressing your reaction when your bicycle was damaged by your friend.

(7 Marks)

प्र.1 निम्नलिखित गद्यांश को ध्यान से पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए

लक्ष्य प्राप्ति में यह आवश्यक है कि आप अपनी शारीरिक और बौद्धिक शक्तियों का अधिकतम प्रयोग करें। दूसरों के सहारे बैठने वाले कभी सफल नहीं होते। आजकल के नौजवान सदा दूसरों का मुँह ताँका करते हैं या समय या भाग्य को कोसा करते हैं। उचित अवसर की तलाश व्यक्ति को खुद करनी पड़ती है। फिर अपने विवेक, समय और परिश्रम से दृढ़ संकल्प हो आगे बढ़े तो लक्ष्य स्वयं ही आपकी ओर बढ़ेगा। कुछ लोग तो सदा ही समाज और कमय से नाराज़ रहते हैं। ये परिस्थितियों के प्रतिकूल होने की आड में अपने आलस्य को ओढ़े रहते हैं। छात्रावास में व्यावहारिकता का अभाव अक्सर देखा जाता है। ऐसे में अनुभवशील व्यक्तियों के अनुभवों का लाभ उठाकर आगे बढ़ने में समझदारी है।

- | | |
|---|---|
| 1. लक्ष्य प्राप्ति के लिए सबसे महत्वपूर्ण बात क्या है? | 1 |
| 2. आजकल के युवकों की क्या विशेषता है? | 1 |
| 3. लक्ष्य प्राप्ति के लिए किन गुणों की आवश्यकता है? | 1 |
| 4. छात्रावस्था में छात्रों को आगे बढ़ने के लिए क्या करना चाहिए? | 1 |
| 5. दूसरों के सहारे बैठने से क्या होता है? | 2 |
| 6. कुछ लोग हमेशा नाराज क्यों रहते हैं? | 2 |
| 7. प्रतिकूल परिस्थितियों का रोना कौन रोते हैं? | 2 |

प्र.2 निम्नलिखित पद्यांश को ध्यान से पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए-

दो हजार मन गेहूँ आया दस गाँवों के नाम
 राधे चक्कर लगा काटने, सुबह हो गई शाम
 सौदा पटा बड़ी मूशिकल से, पिघले नेताराम
 पूजा पाकर साध गए चुप्पी हाकिम हुक्काम
 - भारत सेवक जी को तथा अपनी सेवा से काम
 खुला चोर बाजार, बढ़ा चोकर चूनी का दाम
 भीतर झुरा गई ठठरी बाहर झुलसी चाम
 भूखी जनता की खातिर आजादी हुई हराम

- | | |
|---------------------------------------|---|
| 1. गेहूँ किसके लिए आया होगा? | 1 |
| 2. कितना गेहूँ आया था? | 1 |
| 3. राधे चक्कर किसके लिए काटने लगा? | 1 |
| 4. कविता का उपयुक्त शीर्षक हो सकता है | 1 |
| 5. चोकर चूनी के दाम क्यों बढ़ गए? | 2 |
| 6. अपनी सेवा से काम का अर्थ है? | 2 |
| 7. पूजा पाकर का अर्थ है? | 2 |

खण्ड-ख

प्र.3(क) निम्नलिखित शब्दों के प्रचलित हिन्दी रूप लिखिए 2

बिपत्ति, बादर, सीत, परे

(ख) निम्नलिखित मुहावरों का वाक्यों में प्रयोग कीजिए-

2

दाँतों तले उँगली दबाना, साँस रोके हुए

- (ग) उचित वाक्यांश चुनकर वाक्यों के खाली स्थान भरिए- 2
- छप्प से, थर से, फुर से, सन् से
1. मेढक पानी में.....कूद गया
 2. शोर होते ही चिड़ियाउड़ी।
 3. ठंडी हवा....गुजरी, मैं ठंड में.....काँप गया।
- (घ) निम्नलिखित समस्त पदों का विग्रह लिखिए- 2
- सीना-पिरोना, भला बुरा
- (ङ) दिए गए शब्दों का संधिविच्छेद कीजिए 2
- विस्मयाभिभूत, नीलाभ, सिंहासन, मेघाछन्न
- (च) निम्नलिखित मूलशब्दों से दो-दो शब्द बनाइए - 2
- गंध, रंग
- (छ) निम्नलिखित पुनरुक्त शब्द विशेषण की दृष्टि से संज्ञा और विशेषम में से क्या हैं 2
1. घर-घर खुले किंवारे
 2. नीले-नीले फूल खिले
 3. नन्हीं-नन्हीं बूँदन मेहा बरसो
 4. नगर-नगर में मचा है शोर
- (ज) नीचे दिए शब्दों के वचन बदलिए 2
- नीति, गोली, जिम्मेदारियों, स्वाभिमानीयों

खंड-ग

प्र.4 निम्नलिखित गद्यांश को पढ़कर प्रश्नों के उत्तर लिखिए

मयूर कला प्रिय पक्षी है। हिंसक मात्र नहीं। इसी से उसे बाज, जील आदि की श्रेणी में नहीं रखा जा सकता। जिनका जीवन ही क्रूर कर्म है। नीलकंठ में उसकी जातिगत विशेषताएँ तो थी ही, उनका मानवीकरण भी हो गया था।

1. गद्यांश के पाठ के लेखक का नाम लिखिए। 1
2. नीलकंठ कैसा पक्षी है? 2

प्र.5 निम्नलिखित में से किन्हीं पाँच प्रश्नों के उत्तर लिखिए। 10

- क. गाँधी जी छेनी, हथोड़ा, वसूले क्यों खरीदना चाहते होंगे?
- ख. ध्यानचंद को हॉकी का जादूगर क्यों कहा जाता था?
- ग. कुँवर सिंह को बचपन में किन कामों में मजा आता था?
- घ. मोर और मोरनी के नाम किस आधार पर रखे गए?
- ङ. खान-प्पन में बदलाव के कौन से फायदे हैं?
- च. यासुकी चान को अपने पेड़ पर चढ़ाने के लिए तोतों -चान ने अथक प्रयास क्यों किया?

प्र.6 निम्नलिखित काव्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए

बरसे बदरिया सावन की।
सावन की मनभावन की।
सावन में उमग्यों मेरो मनवा, भनक सुनी हरि आवन की।
उमड़-धुमड़ चहूँ दिस से आया दामिन दमकै झर लावन की।
नन्ही-नन्हीं बूँदन मेहा बरसे शीतल पवन सुहावन की।
मीरा के प्रभु गिरधर नागर आनंद मंगल-गावन की॥

1. काव्यांश के कवि और कविता का नाम लिखिए। 1
2. मीरा का मन उमंग से क्यों भर गया 2

प्र.7 निम्नलिखित में से किन्हीं तीन प्रश्नों के उत्तर लिखिए-

6

- क. रहीम ने क्वार मास में गरजने वाले बादलों की तुलना निर्धन व्यक्ति से क्यों की है?
- ख. आँख में तिनका पड़ने के बाद घमंडी की क्या दशा हुई?
- ग. कृष्ण को जगाते समय यशोदा कौन-कौन सी बातें कहती हैं?
- घ. मीरा को सावन मनभावन क्यों लगने लगा?
- ङ. विप्लव गायन कविता में कवि उथल पुथल के लिए क्यों गाना चाहता है?

प्र.8 सहायक पुस्तक से पूछे गए किन्हीं पाँच प्रश्नों के उत्तर लिखिए

10

1. मामा शल्य का वध कैसे किया?
2. अश्वत्थामा ने पांचालों का वध कैसे किया?
3. अभिमन्यु का वध होने के बाद अर्जुन ने क्या प्रतिज्ञा ली?
4. अज्ञातवास में पांडव कहाँ और किस रूप में ठहरे?
5. अभिमन्यु ने चक्रव्यूह के बारे में युधिष्ठिर को क्या बताया?
6. कर्ण किसका पुत्र था? उसका वध किसने किया?

प्र.8 निम्नलिखित में से किसी एक विषय पर निबंध लिखिए

10

1. गणतंत्र दिवस
2. विद्यार्थी और अनुशासनों
3. जीवन में खेलों का महत्व
4. देश हमारा सबसे न्यारा

प्र.9. जीवन में समय का महत्त्व बताते हुए अनुज को पत्र लिखिए।

5

या

क्षेत्र में मच्छरों की समस्या के संबंध में स्वास्थ्य अधिकारी को पत्र लिखिए।

परमाणु ऊर्जा केन्द्रीय विद्यालय, रावतभाटा

वार्षिक परीक्षा-2017 18

पूर्णांक 40

कक्षा सातवीं, संस्कृत

समय 120 मिनट

प्र.1 निम्नलिखित गद्यांश का हिन्दी में अनुवाद कीजिए- - 4

पुरा एकस्मिन् वृक्षे एका चटका प्रतिवसति स्म। कालेन तस्या संतति जाता। एकदा कश्चित् प्रमतः गजः तस्य वृक्षस्य अधः आगत्य। तस्य शाखाम् शुण्डेन अत्रोटयत्। चटकाया नीडम् भूवि अपतत्। तेन अण्डानि विशीर्णानि। अथ सा चटका व्यलपत्। तस्याः विलापम् श्रुत्वा काष्ठकूटः नाम खगः दुखेन ताम् अपृच्छत्।

प्र.2 निम्नलिखित पद्यांश का हिन्दी में अनुवाद कीजिए 4

केयूराः न विभूषयन्ति पुरुषं हारा न चन्द्रोज्ज्वला
न स्नानं न विलेपनं न कुसुमं नालंकृता मूर्धजाः
वाण्येका समलंकरोति पुरुषं या संस्कृता धार्यते
क्षीयन्ते अखिलभूषणानि सततं वाग्भूषणं भूषणं।

प्र.3 किन्हीं चार प्रश्नों के उत्तर संस्कृत में दीजिए

4

क. का भाषा प्राचीनतमा

ख. शून्यस्य प्रतिपादनम् कः अकरोत्

ग. कस्या महती जिज्ञासा वर्तते?

घ. सेतोः निर्माणं के अकुर्वन्?

ङ. किं ब्रूयात्?

च. व्याघ्रः कुत्र गर्जति?

प्र.4 कोई याद किया हुआ श्लोक अर्थ सहित लिखिए जो प्रश्न पत्र में न हो। 4

प्र.5 'कल्पलतेव विद्या' विषय पर तीन वाक्य संस्कृत में लिखिए। 3

प्र.6 विलोम पद मिलाइए- 3

मन्दम्	नूतनम्
शत्रुतायाः	स्निग्धम्
कठोरः	मित्रतायाः
पुरातनम्	पर्याप्तम्
अपर्याप्तम्	उच्चैः
निच्यै - -	क्षिप्रम्

प्र.7 कोष्ठक से सही शब्द चुनकर रिक्त स्थान की पूर्ति कीजिए 3

क. धेनवः दुग्धं.....। (ददाति/ददति/ददन्ति)

ख. वयं संस्कृतम्.....। (अपठम्/अपठन्/अपठाम्)

ग.पत्राणि सुन्दराणि सन्ति।(ते/ताः/तानि)

घ. अहं प्रातः.....सह भ्रमणाय गच्छामि।(पित्रा/पितुः)

ङ. बाला आपणात्.....फलानि आनयति। (भ्रातुः/भ्रात्रे)

च. कर्षकाः ऋषिकर्मणि कुर्वन्ति | { चत्वारः / चतस्रः / चत्वा चत्वारि }

प्र.8 निम्नलिखित संख्याओं को संस्कृत पद में लिखिए 3

18, 25, 54, 67, 36, 72

प्र.9 भिन्न प्रकृति वाले शब्द चुनकर लिखिए 2

1. सूर्यः, चन्द्रः, अम्बुदः, शुक्रः।

2. मयूराः, चटकाः, शुकाः, मण्डूकः।

3. पुस्तकालयः, स्यामपट्टः, प्रचार्यः, सौचिकः

4. गावः, सिंहाः, कच्छपाः, गजाः।

प्र.10 'आम' तथा 'न' में उत्तर दीजिए। 2

क. विद्या राजसु पूज्यते।

ख. वने व्याघ्रः गर्जति।

ग. हरिणः नवघासम् न खादति।

घ. वाग्भूषणं भूषणं न।

प्र.11 निम्नलिखित में से किन्हीं दो पदों का वाक्यों में प्रयोग कीजिए 2

खगः, प्रातः, नवीनः, सूर्यः

प्र.12 'मधु' या 'नदी' शब्द के रूप प्रथमा से पंचमी विभक्ति में रूप लिखिए। 3

प्र.13 'कृ' धातु के रूप भविष्यत् काल अथवा भूतकाल में-तीनों पुरुषों और वचनों में लिखिए। 3

CLASS: VII SUB: MATHEMATICS

Time: 3 hours
max. marks: 80

General Instructions:

This question paper is divided into 4 sections.

Section - A Contains 10 questions each carrying 1 mark each.

Section - B Contains 10 questions each carrying 2 marks

Section - C Contains 10 questions each carrying 3 marks

Section - D Contains 5 questions each carrying 4 marks

SECTION - A

(Questions numbers 1 to 10 carry 1 mark each)

1. The additive inverse of -7 is

- (a) -7 (b) $-\frac{1}{7}$ (c) 7 (d) $\frac{1}{7}$

2. The angles of a triangle are in the ratio $2:3:7$.

The measure of the largest angle is

- (a) 84° (b) 91° (c) 105° (d) 98°

3. 4% is equal to

- (a) 0.4 (b) 0.04 (c) 4 (d) 0.004

4. Value of $-6 \times [2 + (-2)]$ is

- (a) -10 (b) -24 (c) 6 (d) 0

5. The smallest rational number is:

- (a) 0 (b) 1 (c) does not exist (d) -1

6. In $\triangle ABC$, $m\angle A = 60^\circ$ and $m\angle B = 80^\circ$, then the value of $m\angle C$ is:-

- (a) 60° (b) 20° (c) 40° (d) 50°

7. Formula for finding the circumference of circle is

- (a) πr^2 (b) $2\pi r$ (c) πr (d) $2\pi r^2$

8. If $x=3$, then the value of $5x+3$ is:

- (a) 15 (b) 16 (c) 17 (d) 18

9. Value of $(-3)^0$ is:

- (a) -3 (b) -1 (c) 1 (d) 0

10. Angle of rotation of square are

- (a) 90° (b) 180° (c) 270° (d) 360°

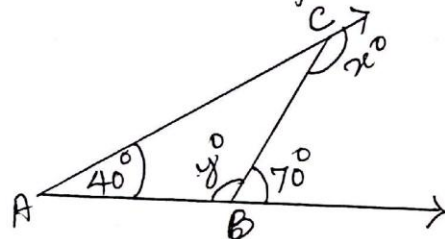
SECTION-B

(Question numbers 11 to 20 carry 2 marks each)

11. Find the product using suitable property

$$26 \times (-48) + (-48) \times (-36)$$

12. In the following figure find the values of x and y



13. If 75% of a number is 15 then find the number.

14. Simplify $-\frac{7}{9} + \frac{3}{4}$

15. Draw a line PQ. Draw another line parallel to PQ at a distance of 3 cm from it.

16. Find the area of a square park whose perimeter is 160 m.

17. If $z=10$, then find the value of $z^3 - 3(z-10)$.

18. (i) express 343 as power of 7

(ii) write 0.00054 in standard form.

19. Find the number of line symmetry in

(i) scalene triangle (ii) a square.

write number of edges and faces of a cuboidal shape.

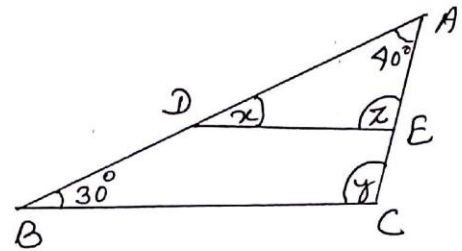
SECTION - C

(Questions numbers 21 to 30 carry 3 marks each)

21. An elevator descends into a mineshaft at the rate of 6m/minute. If its descent starts from 20m above the ground level, how long will it take to reach -400m.

22. In the given figure D, E are points on sides AB, AC of $\triangle ABC$ such that $DE \parallel BC$.

If $\angle B = 30^\circ$ and $\angle A = 40^\circ$, find x, y, z



23. If ₹ 250 is to be divided among Ravi, Raju and Mohit so that Ravi gets 2 parts, Raju 3 parts and Mohit 5 parts. How much money will each get? what will it be in percent?

24. What should be divided by $\frac{1}{2}$ to obtain the greatest negative integer?

25. Construct $\triangle PQR$ if $PQ = 5$ cm, $m\angle PQR = 105^\circ$ and $m\angle QRP = 40^\circ$.

26. The perimeter of a rectangular sheet is 100 cm. If the length is 35 cm, find its breadth. Also find the area.

27. If $x = 2$, $y = -3$, $z = -2$, $a = 2$ then find the value of $4z^3 - 6y + 7a + xy + 5$

28. If $\frac{x}{y} = \left(\frac{2}{3}\right)^2 \div \left(\frac{6}{7}\right)^0$, find the value of $\left(\frac{y}{x}\right)^2$.

29. State the number of lines of symmetry for the following figures with diagram.

- (a) An equilateral triangle (b) A square (c) A rhombus.

30. Draw a net diagram of the following solids

- (a) cylinder (b) Cone (c) pyramid

SECTION-D

(Question numbers 31 to 35 Carry 4 marks each)

31. In a test (+5) marks are given for every correct answer and (-3) marks are given for every incorrect answer.

(i) Sheela answered all the questions and scored 38 marks though she got 10 correct answers.

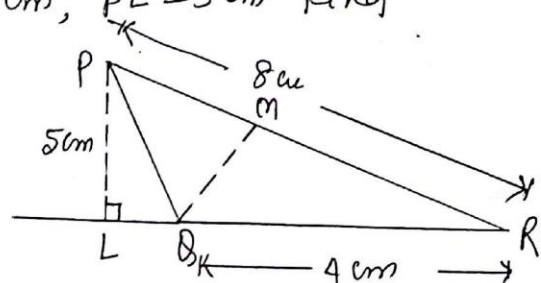
(ii) Jaya also answered all the questions and scored (-16) marks though she got 4 correct answers.

How many incorrect answers had they attempted?

32. In $\triangle PQR$, $PR = 8\text{cm}$, $QR = 4\text{cm}$, $PL = 5\text{cm}$ find

(i) the area of the $\triangle PQR$

(ii) Length of QM .



33. Simplify

$$\frac{12^4 \times 9^3 \times 4}{6^3 \times 8^2 \times 27}$$

34. From the sum of $4x^4 - 3x^3 + 6x^2$, $4x^3 + 4x - 3$ and $-3x^4 - 5x^2 + 2x$ Subtract $5x^4 - 7x^3 - 3x + 4$

35. What cross-section do you get when you give a vertical cut to the following solids?

- (a) a brick (b) a dice (c) a round apple (d) a piece of chalk.

General Instructions:

1. The question paper consists of five sections.
2. Section A, contains 10 questions of 1 mark each.
3. Section B, contains 11 questions of 2 marks each.
4. Section C, contains 9 questions of 3 marks each.
5. Section D, contains 4 questions of 4 marks each.
6. Section E, contains 1 question value based) of 5 marks.

SECTION –A(1x 10=10 MARKS)

Q.1. The discomfort caused by indigestion due to overeating can be cured by taking-

- (i) baking soda (ii) vinegar (iii) lemon juice (iv) caustic soda

Q.2. Name the layer of soil having lesser amount of humus but more of minerals.

- (i) A-Horizon (ii) B-Horizon (iii) C-Horizon (iv) D-Horizon

Q.3. yeast respire anaerobically to produce

- (i) water (ii) alcohol (iii) glucose (iv) lactic acid

Q.4. The fluid part of blood is called

- (i) Plasma (ii) RBC (iii) WBC (iv) Blood Platelets

Q.5. Which of the following is not a unisexual flower?

- (i) Corn (ii) Mustard (iii) Cucumber (iv) Papaya

Q.6. A body moving with constant speed is moving in

- (i) uniform motion (ii) non-uniform motion (iii) straight line (iv) both (a) & (c)

Q.7. The most suitable material for making the core of an electromagnet is-

- (i) iron (ii) brass (iii) aluminium (iv) steel

Q.8. Which of the following is known as a diverging lens?

- (i) convex mirror (ii) concave mirror (iii) convex lens (iv) concave lens

Q.9. Following product is not obtained from a forest

- (i) honey (ii) catechu (iii) gum (iv) None of these

Q.10. Which of the following is a water-borne disease?

- (i) influenza (ii) cholera (iii) cancer (iv) heart attack

SECTION-B (2x11=22 Marks)

Q.11. We must clean our teeth & mouth after eating every meal. Why?

Q.12. Why do we use indicators?

Q.13. Draw labeled diagram of Soil profile.

Q.14. How do gills help a fish to breathe?

Q.15. Discuss why sponges and hydra do not have blood.

Q.16. Rohan covers a distance of 10kms by running with uniform speed 4.5km/h. Sohan covers a distance of 1.2km in 15 minutes. Who runs faster?

Q.17. Write two uses of an electromagnet.

Q.18. What is meant by dispersion of light? Name the natural phenomenon, which is caused by the dispersion of light?

Q.19. How do forests protect us from natural calamities like flood and drought?

Q.20. Write two differences between sludge and activated sludge.

Q.21. Why should we throw oils & fats in dustbin & not in sink?

SECTION C (3X9=27 MARKS)

Q.22. Explain digestion in amoeba with the help of labeled diagram.

Q.23. (i) A student is given 75 g of soil 400 mL of water in the measuring cylinder. If the final volume of water in the measuring cylinder is 100 mL. Find the percentage of water absorbed by the soil.

(ii) How is clayey soil useful for crops?

Q.24. (i) List two differences between aerobic & anaerobic respiration.

(ii) State one difference between inhalation & exhalation.

Q.25. Write one function of each-

(i) Heart (ii) Platelets (iii) Stomata in plants.

Q.26. State two advantages & one disadvantage of vegetative reproduction.

Q.27. (i) Explain the construction of a simple pendulum with diagram.

(ii) State the use of Odometer & Speedometer.

Q.28. What is a fuse? Explain its working.

Q.29. What is ground water? Write any two factors responsible for its depletion.

Q.30. What will happen if forests will disappear from our life?

SECTION D 4X4=16 marks.

Q.31. Describe the role of following in human digestive system-

(i) Mucus (ii) HCL (iii) bile juice (iv) Villi

Q.32. Explain two neutralization reactions related to daily life situation.

Q.33. Explain how does sexual reproduction take place in flowering plants?

Q.34. (i) List any four characteristics of image formed by a plane mirror.

(ii) Which type of mirror is used by dentists & why?

SECTION E (Value based)

Q.35. Raman is a student of class V of his school. His teacher says he is very smart as whenever he sees any open water taps without use in school, he close them down. Also, at home while brushing he keep the tap off till he rub his teeth. Not only this he also ensure at his home that no tap is leaking, if so, he asked his parents to get them repaired.

(i) What Raman trying to do through these activities?

(ii) What will you do if you see any running tap at a public place like railway station?

(iii) What values are shown by Raman?
