

دی سٹی اسکول
یونیورسٹی روڈ کیمپس

کراچی

جماعت: ہشتم مضمون: اردو

سوال نامہ (اعادہ پہلی تا دوسری میعاد)

(حصہ تقہیم)

قدیل ادب صفحہ نمبر ۱۵۴ اور صفحہ نمبر ۱۱۶ تفہیم کریں۔

(حصہ ادب)

(الف)

- ۱۔ نظم حمد میں شاعر اللہ تعالیٰ کی کن صفات کا ذکر کیا ہے۔
- ۲۔ شاعر نے نظم نعت میں حضور پاکؐ کی آمد سے انسانیت کے کن فوائد کا ذکر کیا ہے؟
- ۳۔ سبق غم تاثیر صحبت اثر میں بند کو جنگل کے جانوروں کی سبزی خوری سے کیا اندیشہ لاحق تھا؟
- ۴۔ کہانی ”جگنو اور ہم“ میں اچانک موڑ کب آیا۔
- ۵۔ حضرت خدیجہؓ نے آپؐ کو وحی کے بعد کب الفاظ میں تسلی دی؟
- ۶۔ جھوری کا اپنے بیلوں پر ناز بجا تھا افسانہ کے متن سے حوالہ دیں۔
- ۷۔ خوشامد ہمارے لئے کس طرح نقصان دہ ثابت ہوتی ہے؟
- ۸۔ لومڑی اور بھیڑیے کی دوستی دشمنی میں کیوں بدل گئی۔
- ۹۔ سبق ”مہینے کی پہلی تاریخ“ سے مزاح کا عنصر شناخت کریں اور اپنے جواب کو حوالہ جات سے مزین کریں۔
- ۱۰۔ منظور نے اختر کے مزاج میں کون سی تبدیلی پیدا کر دی تھی۔

(برسات کی بہاریں)

☆ کچھڑ سے ہو رہی -----

مشکل ہوئی -----

پھسلا جو پاؤں -----

جوتی گری -----

کیا کیا مچی ہیں یاروں برسات کی بہاریں

(حصہ د)

درج ذیل اسباق کا خلاصہ مصنف کے حوالے کے ساتھ لکھیں۔ (الفاظ کی حد ۱۰۰ سے ۸۰)

۱۔ دو تیل

۲۔ جگنو اور ہم

۳۔ لومڑی اور بھیڑیا

۴۔ مہینے کی پہلی تاریخ

(حصہ قواعد)

۱۔ (الف) دیئے گئے الفاظ کی واحد کی جمع اور جمع کی واحد لکھیں۔

قدر - شے - اعمال - سامعین - حضرت - انجم - اواخر

- مقبرہ - بقیہ - مہاجرین - حدود - انق - حد

(ب) درج ذیل واحد الفاظ کی جمع اور جمع الجمع تحریر کریں۔

تفصیل - فیض - اسم - ذخیرہ - منظر

۲۔ دیئے گئے الفاظ میں سے مذکر اور مونث استعمال ہونے والے الفاظ کی شناخت کریں۔

کیڑا - کرسی - کتاب - کھلونا - کنکر - تصویر

پھول - چھڑی - بوتل - پہاڑ - شیشہ - زمین

(ب) دیئے گئے مذکر مونث کو اپنے جملوں میں استعمال کریں۔

۱۔ شیخ/شیخانی ۲۔ بے چارہ/بے چاری ۳۔ زمیندار/زمیندارنی

۴۔ وارث/وارثہ ۵۔ زوج/زوجہ

۳۔ الفاظ کی متضاد تحریر کریں۔

سگا - تیز - عارضی - حاکم - ناشار - زبردست - قبول - فرضی

ریفٹ - صادق - خار - باطن - طول - خفیہ - جدت پسند

۴۔ دیئے گئے الفاظ کے مترادف لکھیں۔

خرینہ - مکرر - جامد - رہنما - رحمان - ماہ -

سلیس - نادم - ثواب - حرارت - فہم - نرغہ

۵۔ دیئے گئے سابقوں اور لاحقوں کی مدد سے تین تین نئے الفاظ بنائیں۔

(سابقے)

نازک -----

باز -----

بلند -----

پری -----

تنگ -----

پس -----

(لاحقے)

یاقتہ -----
طلب -----
وار -----
یاب -----
افروز -----
انگریز -----
پسند -----

۶۔ درج ذیل محاورات کو اپنے جملوں میں استعمال کریں۔
سبز باغ دکھانا - کوڑیوں کے مول بننا - لکیر کا فقیر ہونا - ہتھیار ڈالنا - شیخی بگھارنا
بال بال بچنا - داغ بیل ڈالنا - تیور بدلنا - بول بالا ہونا -

۷۔ خالی جگہوں کو ضرب الامثال سے مکمل کریں۔

☆ اندھیر نگری -----
☆ اونٹ کے -----
☆ جب تک -----
☆ آگے روڈ -----
☆ اندھے کے آگے -----
☆ قہر درویش -----
☆ کھلائے ہوئے -----

۲۔ ڈاکٹری ایک نہایت معزز ----- ہے۔ آمدنی کی آمدنی اور خدمت کی خدمت۔ ویسے بھی ہمارے
----- میں ڈاکٹری کا کوئی بھی مقابلہ نہیں کر سکتا۔ آج کل جس تیزی سے ملازمتوں کا
تنگ ہوتا جا رہا ہے۔ صرف ڈاکٹری کا پیشہ ایسا ہے جہاں ملازمت کے ----- زیادہ ہیں۔
مجھے امید ہے کہ میری اس تجویز سے اتفاق کریں گے۔ بلکہ میری یہ دلی خواہش ہے کہ آپ بھی نان میڈیکل کے بجائے میڈیکل گروپ
میں داخلہ لیں۔ اور اس طرح میرے ----- بن جائیں۔

الفاظ: ہم پیشہ - مواقع - دائرہ - پیشہ - معاشرے - قریب - خاندان

۱۱۔ قندیل ادب صفحہ نمبر ۱۶۲ اور ۱۶۳ مخفی پیرا سیہ کی مشق کریں۔

۱۲۔ درج ذیل انگریزی پیرا گراف کا اردو ترجمہ کریں۔

1. Eggs are one of God's great gift to the human race. what other food come already wrapped in it's own protective shell , which keeps out dirt and germs.They even come fresh almost daily from hens as long as you feed them well enough . Not only they are full of nutrition but they taste delicious as well.

2. Education is discovering about ourself and about the people and things around us. infact we learn something from everyone we meet . We start learning on the first day we go to school. Everyday we have new experience , like finding a bird's nest , discovering a new street in our neighbourhood .

اسلامیات جماعت ہشتم کی کتاب کا صفحہ نمبر ۲۴۰ کا دوسرا پیرا گراف کا انگریزی میں ترجمہ کریں۔

۱۳۔ قذیل ادب صفحہ نمبر ۹۵، ۹۶، ۹۷ اور ۹۸ فعل کے جموں کو تبدیل کریں۔

۱۴۔ قذیل ادب صفحہ نمبر ۱۲۳، ۱۲۴، ۱۲۵ غلط فقرات کو پڑھ کر کاپی میں درست کر کے لکھیں۔

۱۵۔ درج ذیل جملوں میں مناسب جگہ پر رموز اوقاف لگائیں۔

☆ حسن ادیل اور شاہد آپس میں دوست ہیں

☆ بریانی کے اجزایہ ہیں

☆ آپ کب لاہور جائیں گے

☆ ماں نے کہا جدی تیار ہو جاو

☆ واہ کتنے مزے کا کھانا ہے

☆ خواتین و حضرات میری بات سنو

☆ آلودگی کے بہت نقصانات ہیں جیسے

قذیل ادب صفحہ نمبر ۸۸ دیئے گئے پیرا گراف کو رموز اوقاف سے مکمل کریں۔

(حصہ انشا پردازی)

۱۔ درج ذیل عنوانات پر ۲۰۰ الفاظ پر مشتمل مضمون تحریر کریں۔

”کسی ملک کی ترقی تعلیم پر منحصر ہے“

”جسمانی و ذہنی نشوونما کے لئے کھیل ضروری ہے“

”ایک واقعہ جو مجھے کبھی نہیں بھولتا“

۲۔ درج ذیل عنوانات پر ۲۰۰ الفاظ پر مشتمل رپورٹ تحریر کریں۔

”کرونا وائرس پر اچانک ہونے والی تعطیلات پر رپورٹ“

”چڑیا گھر کے بارے میں رپورٹ“

۳۔ قلم اور کتاب کے درمیان ۲۰۰ الفاظ پر مشتمل مکالمہ لکھیں۔
ایک بوڑھے اور نوجوان کے درمیان نئی اور پرانی تہذیب کے موضوع پر مکالمہ لکھیں۔
سبزی فروش اور گاہک کے درمیان مکالمہ تحریر کریں۔

۴۔ اپنے دوست کے نام خط لکھیں جس میں ان وجوہات پر روشنی ڈالیں جس کے باعث آپ ایک لمبے عرصہ تک اسے خط نہیں لکھ پائے۔
ماموں کے نام خط لکھیں اور بتائیں کہ آپ نے اس سال تقریری مقابلے میں حصہ کیوں نہیں لیا۔
اپنی جماعت کا کمرہ سجانے کے لئے خط کے ذریعے اپنی استانی یا استاد کو تجاویز پیش کریں۔
اخبار کے مدیر کے نام خط لکھیں اور پوچھیں کہ آپ کا بھیجا گیا ”اداریہ“ اب تک کیوں شائع نہ ہو سکا۔ (الفاظ کی حد ۲۰۰)

۵۔ اپنی درسی کتاب طاؤس میں موجود کہانی ایک لومڑی اور بھیڑیا پر ۲۰۰ الفاظ پر مشتمل تبصرہ کریں۔
آج کل ہر انسان مادہ پرستی (دنیاوی چیزوں سے محبت) کا شکار ہو گیا ہے تبصرہ کریں
درسی کتاب میں موجود پسندیدہ نظم پر تبصرہ کریں۔

نوٹ: جانچ کا معیار دیا جا چکا ہے۔

تبصرہ نگاری کا درج ذیل ہے۔

موضوع سے مطابقت = ۱

رابطہ و تسلسل = ۱

نفس مضمون = ۵

املا و قواعد = ۲

اختتامیہ = ۱

The City School
University Road Campus
English Reinforcement Questions Bank
Class 8



Note: Practice the given work in a rough copy and submit to your teacher.

Literature

Novel Hobbit Questionnaires:

Attempt the following questions. Assigned questions are designed according to Blooms Taxonomy that include descriptive elements, analysis and characterization. You are advised to spend 2 to 3 minutes on each question. Do the given questions in your Lj(s).

Chapter One-- An Unexpected Party:

1. Give a brief description about hobbits and who is Bilbo Baggins?
2. What did Gandalf claim to be looking for when he arrived on Bilbo's doorstep and why?
3. According to Thorin what had happened to his family's wealth?

Chapter Two-- Roast Mutton

1. What does the note left for Bilbo say and why it is so essential for Bilbo's knowledge?
2. Who were trolls, what was their aim and how did Gandalf use his powers on Bert and Tom and William?

Chapter Three-- A Short Rest

1. Who was Elrond and what did he explain about moon letters.
2. Why is Durin's day important for dwarves, explain?

Chapter Four-- Over Hill and Under Hill:

1. Why was it fortunate that Bilbo had accompanied the dwarves into the cave?
2. Why were the Great Goblin and many of his soldiers so upset when they saw Thorin's sword?

Chapter Five-- Riddles in the Dark:

1. Why was Bilbo so frightened when he regained consciousness?
2. Why was Bilbo comforted by his dagger or small sword and why he was Bilbo reluctant to wade in the water?
3. Explain the basic rules of the riddle game.
4. Explain how Gollum unexpectedly aids the hobbit in his escape.

Chapter Six-- Out of the Frying-Pan into the Fire:

1. Explain the significance of the title of this chapter.
2. Why didn't the ring protect Bilbo from the wolves (Wargs) and why did the wolves alert the goblins to the adventurers who were hiding in the trees?

Chapter Seven-- Queer Lodgings:

1. Why did Bilbo pinch the eagle?
2. According to Gandalf what are two possibilities explaining the origin of Beorn?
3. What warning does Beorn give to travellers about proceeding through Mirkwood and why?

Chapter Eight-- Flies and Spiders:

1. Why were the travellers unable to cross over the stream by bridge?
2. Describe what happened to Bombur as he was about to step into the boat.
3. What did Bilbo discover was happening to him when he awoke?
4. Explain the transformation of Bilbo Baggins' character as he renames his sword Sting.

Chapter Nine-- Barrels Out of Bond

1. How did the dwarves react to their interrogation by the Elvenking and what did the Elvenking order his men to do?
2. Briefly describe their final departure from the palace.
3. Summarize Bilbo's rescue of the dwarves.

Chapter Ten-- A Warm Welcome

1. Describe the scene as Bilbo approaches the region where the trees ended.
2. Describe the strange town at the mouth of the Forest River.

3. Why were the raft-men elves so astonished at the appearance of the dwarves?
4. How appropriate is the title of this chapter? Explain.

Chapter Eleven-- On the Doorstep

1. Why did the men of the town refuse to stay overnight where the dwarves disembarked?
2. Describe their surroundings as the adventurers moved nearer to the Mountain.
3. Explain how Bilbo begins to take a leadership role in their quest and how does Bilbo finally unlock the riddle and the secret door?
4. Enrichment (Extension question) Pretend you are a journalist. Write a news story about the band of adventurers journey and what you anticipate will happen in the days ahead.

Chapter Twelve-- Inside Information

1. How did the dwarves respond when Bilbo asked for volunteers to accompany him into the Mountain?
2. Describe the dragon. Descriptions will vary.
3. Why does Bilbo throw a stone at the thrush?
4. How did the band of adventurers become trapped in the Mountain?

Chapter Thirteen-- Not at Home

1. Explain the significance of the title of this chapter.
2. Why do the dwarves finally relent and make their way down the dark tunnel to Smaug's lair?
3. Why did Thorin offer to lead the group of adventurers to the Front Gate?

Chapter Fourteen-- Fire and Water

1. Conduct your own research to discover what a Bard was and how do the towns' people react to the initial warnings from the Bard?
2. What important role does the Thrush play in the demise of the dragon? Explain.
3. Why does the Master grind his chattering teeth and how does the Master redirect the crowds anger?

Chapter Fifteen-- The Gathering of the Clouds

1. Why would the presence of carrion birds suggest that a battle is imminent?
2. What news does Roac bring to the dwarves and what course of action did Thorin choose after hearing the news?
3. What conditions did Thorin insist on before he would negotiate any terms of settlement with the Bard?

Grammar

Instructions:

You are advised to attempt the answers ONLY for each question in 5 minutes each, keeping the correct question number and its related part. Also, the links have been provided for your extensive support.

<http://www.grammargrounds.com/simple--compound--complex--compound-complex-sentences-quiz.html>

https://www.youtube.com/watch?v=sRh_phBoD1Y

<https://www.manythings.org/proverbs/proverbs7.html>

Q1. Fill in the blanks with an appropriate word.

- a) I don't want any _____ explanation. (further/farther)
- b) The doctor _____ the patient to quit smoking. (advised/adviced)
- c) All students should have _____ to a good library. (excess/access)
- d) The sun _____ in the east. (raises/ rises)

Q2. Read the sentence. Rewrite it using the synonym from the box for the underlined word.

hilarious	aromatic	sad	filthy	fast
-----------	----------	-----	--------	------

- a) The house is dirty. _____
- b) The car is quick. _____

c) The story was depressing. _____

d) The flowers are fragrant. _____

e) The movie was funny. _____

Q3. Choose the suitable connectives to complete the sentence.

a) The kids didn't study _____ they failed the course.
(therefore, besides, otherwise)

b) You must buy the tickets; _____, we won't be able to see that play.
(otherwise, although, besides)

c) The neighborhood is not very interesting. I like the house _____.
(moreover, thus, though)

Q4. Fill in the blanks with appropriate Simple Present or Simple Past Tense Verb:

a) She _____ (recover) from her illness and shifted to her house.

b) They _____ (complete) their task usually during the _____ (assign) working hours.

c) He _____ (enjoy) working on computer.

d) Yesterday, we _____ (plan) for the activity to be _____ (hold) on coming Friday.

Q5. Make a list of 'Irregular Past Participles' (at least 10)....e.g; bring-brought. (In your Lj.)

Q6. Use the above 10 Irregular verbs in sentences of your own, keeping their verbs in Present Progressive Tense. (In your Lj.)

Q7. Use the following 'Phrasal Verbs' in sentences of your own in your Lj. Each sentence should be of 14 and above words.

get through, give up, break into, go down, call upon, look after, move around, carry out, come up with, take over, come across, clear about.

Q8. Think of an example of Figurative language or Imagery to complete each of the following sentences.

1. Kelly said the giraffe looked like _____.

2. The child's laugh was _____.

3. Dry leaves _____ under her feet as she walked.

4. The skin of the peach felt as fuzzy as _____.

5. The room smelled like _____.

6. The sun was _____.

7. He crept across the yard like _____.

8. Her hands moved like _____.

9. The wind _____ like a _____.

10. The butterfly's wings were _____ blue.

Q9. Directions: Match each sentence to the correct figure of speech below.

a. metaphor b. simile c. personification d. allusion e. hyperbole

1. A comparison between two unlike things in which one is said to be another thing.

2. Giving human characteristics to nonliving things.

3. A figure of speech comparing two unlike things using the words like or as.

4. The human circulatory is like a plumbing system.

5. Life is sometimes like a circus.

6. She is as fair as snow!
7. We made a ton of money at the yard sale.
8. Bob, Tim, and Caleb are known around school as the three stooges.
9. He looked like a sack of potatoes.
10. Steve's heart was a drum.
11. The hikers were swallowed by the forest.
12. It took me forever to do that homework!
13. Bob is a big teddy bear.
14. The rain was like a waterfall.
15. His muscles were rocks.
16. Her fingernails were daggers.
17. Kristy is such a scrooge when it comes to buying Christmas gifts.
18. It rained so much we may need an ark!

Q10. Give the appropriate meanings to the following Proverbs. Use Lj.(s) to write your answers.

- A friend in need is a friend indeed.
- A great talker is a great liar.
- A hungry man is an angry man.
- A heavy purse makes a light heart.
- A man is as old as he feels.
- A man's house is his castle.
- A penny for your thoughts.
- A penny saved is a penny gained.
- A rolling stone gathers no moss.
- A short cut is often a wrong cut.
- A stitch in time saves nine.
- A thing begun is half done.
- Action speaks louder than words.
- All that glitters is not gold.
- All's well that ends well.

Composition Writing

- **Instructions: You are advised to attempt your write-up in 200-250 words by spending 25-30 minutes. Success criteria should always remain in your mind. Practice all these questions using your Ljs.**

Q1. Write a letter to the editor of a newspaper about the harmful effects of reckless driving. In your letter you have to explain why reckless driving poses great danger to lives and property.

Q2. Write about 180 – 200 words on the following topic. Time allotted: 20-25 min.

Yesterday on the way home after school, you saw a group of teenagers laughing at an old man who was gathering used cardboard boxes on the street. Write an account about what exactly you saw that happened. Also mention, how you feel towards what you have witnessed. Or

You have witnessed kidnapping, you got scared but after some time you decided to disclose the incident in front of police.

Q3. Write a Descriptive Essay of 200- 240 words on any 2 of the following in 25-30 min in your Ljs.:

- How should your dream house look like?
- Share an experience of some journey, which impressed you.
- Describe your first cooking experience.
- Describe a person who made a great contribution to the history.
- How do you imagine yourself in 5 years' time?
- Give a description of the best film you have watched.

Q4. Write a Comparative Essay on any one of the following ideas in your Ljs.: (200 to 250 words). Time allotted is 20-25 min.

- Childhood vs. Adulthood.
- Reading or Watching Screened Versions: What teens prefer, why...
- Night time and day time: Advantages each period has...
- Living in poverty and being rich.
- Differences and similarities between Pakistani and Chinese traditional dishes.

Q5. Write a Persuasive Essay on any one of the following topics in 25-30 min. (Word limit: 200-250)

- Soda shouldn't be sold to kids in restaurants.
- Parents must be responsible for providing a healthy diet.
- Parents should regularly check children's belongings for drugs.
- The Internet was invented to change our lives.

Q4. Write your own Autobiography by answering the following questions:

- Why you feel the need to write one?
- What you think others would care about that you've done, learned, invented, discovered, or thought about at length
- Where you come from and how you started out.
- What inspires or inspired or pushed you?
- How you got to wherever you are today?
- Who helped or hindered you and how?
- What you are working towards or hope to accomplish?

Q5. Write a Narrative Story entitled "Trapped". Think of any ONE of the given situations. Whether trapped....

- * in a lift OR
- *in a burning house OR
- *in a sub-merged car.
- **Make your narrative interesting from the beginning to end by putting realistic details to build the climax. (Words Count: 200-250 words). Allotted time: 25-30 min.**

Comprehension

Read the following Comprehension lessons from your Oxford Progressive English Book 8 and write down the answers only: (Links are provided for extensive support)

Task #1: Unit #1 Report 1 Stunt pilots swoop to catch Sun dust probe . (Q #1-5 pg # 14)

Task #2 : Unit #2 The Wonderful Horse. (Q # 1-7 pg #36)

Task #3 : Unit #3 Mystery at the monastery ends as CCTV reveals daring thief. (Q #1-8 pg # 71)

Task #4 : Unit #4 Fiction Shahrazad's Leopard (Q #1,3,4,6,7 RFU, Q #1,2,4,5 from RFI, pg # 93,94)

<https://www.youtube.com/watch?v=nqXz8hhAYGo>

<http://www.nestlecocoaplan.com/better-cocoa/>

<https://www.youtube.com/watch?v=x7lxJlCKeAw>

<https://www.youtube.com/watch?v=54xM8VlgP7s>

<https://www.youtube.com/watch?v=f6iVwUXKBlw>

The City School

Science Reinforcement Question Bank

Grade 8



Do all these questions in a rough copy and submit to your teacher.

Chapter 2: Respiration and Circulation

Chapter 1: Food and Digestion [reinforcement]

Chapter 3: Microbes and Diseases

Do as directed:

Q.1 Lactic acid is produced in the muscles during anaerobic respiration.

- Define the term anaerobic respiration.
- Describe how the lactic acid produced in muscle cells enters the blood.
- Name the component of the blood that transports lactic acid.

Q.2 Describe how the ribcage is moved during inspiration (breathing in) and explain how this causes air to enter the lungs.

(c) Explain how the ribcage returns to its resting position during expiration (breathing out).

Q.3 What are the useful aspects of microbes? Give examples.

Design your diet plan for a week including all food groups.

Chapter 4: Ecology

Do as Directed:

(i) Draw a food web to show the feeding relationships found in marine ecosystem.

Q.1 Define following and give example of each

- Commensalism
- Mutualisms
- Parasitism

Solve workbook pgs. 54-56

Chapter 5: Food chains and food webs

Q.1 The wild dog is one of the smaller African carnivorous mammals. It has disappeared from 25 of the 39 countries where it used to live. Wild dogs hunt in packs, feeding on antelopes, which are grass-eating mammals. A conservation program has been started to increase the wild dog population in South Africa. Farmers are worried about numbers getting out of control because wild dogs breed at a very fast rate. However, conservationists are not concerned because the lion is a natural predator of the dogs.

(a) Suggest two reasons why numbers of African wild dogs are decreasing. 1. 2.

(ii) Suggest what could happen to the species if numbers continue to decrease.

(c) Using the information in the passage above construct a food chain for a wild dog, including its predator. Label each organism with its trophic level.

Q.2 (a) Explain carbon cycle in detail

(b) Construct a food web found in marine ecosystem.

Do workbook pgs. no 64-69 and 74-76

Chapter 6: Man's Impact on Ecosystem

Do as Directed:

Q.1 Describe the long-term effects of deforestation on the environment.

Q.2 Global warming is largely due to this increase in atmospheric carbon dioxide. Explain how increases in atmospheric carbon dioxide concentrations contribute to global warming

(b) Most waste that is not recycled is put in landfill sites or burnt. Greenhouse gases are produced at landfill sites and by burning. Explain the likely consequences of an increase in the concentration of greenhouse gases in the atmosphere.

Q3. What can be done to reduce the amount of rubbish been thrown away?

Q4. Define the following: (a) Over-hunting (b) Deforestation (c) Excessive use of energy

Do workbook pgs. no 78-81

Chapter 9: Heating and Cooling

Q.1 Describe three methods of heat transfer with appropriate examples of each method.

Q.2 Explain: expansion and contraction in solids, liquids and gases with examples.

Q.3 With the help of particle model theory, explain how states changes from solid to liquid.

Chapter 10: Light

Q.1 Explain: properties of light.

Q.2 What happens when ray of light refract from denser to rare medium or vice versa? Draw diagrams to support your answer.

Q.3 Explain primary and secondary colors .How you can make different color patterns by using basic colors. Draw a painting by using these color combinations.

The City School

University Road Campus

Question Bank

Class 8 Math

Note:

1. This assignment will be solved in practice learning journal.
2. All the working steps should be clear along with rough working (where needed).
3. Completion of the assignment is compulsory; no excuses will be accepted.

TOPIC: INDICES AND STANDARD FORM

Q1. Simplify $(2xy^2)^3(x^2y)^4$

Q2. Simplify $\frac{(2x^2)^4}{3xy^2} \div \frac{x^2}{2y^3}$

Q3. Simplify $(2xy)^3 \div (2x^2y)$

Q4. Simplify $\frac{(x^{-2}y^3)^2}{x^2y^{-1}}$

Q5. Simplify $\frac{10xy^4}{30x^2y^2z^3}$

Q6. Simplify the following

a) $2m^4 \times 3m^{-5} \div m^{-2}$

b) $\frac{(2ab)^2}{21a^4b^5} \div \frac{8ab^4}{7a^5b^3}$

Q7. Express the following in standard form:

a) 550 kg in g

b) 1.2 km/min in cm/s

c) 0.008306

Q8. Evaluate the following

a) $(8.64 \times 10^{10}) \div (3.6 \times 10^6)$

b) $7.6 \times 10^{10} + 6.7 \times 10^9$

c) $3.2 \times 10^4 \times 4 \times 10^9$

d) $9.3 \times 10^{10} - 9.8 \times 10^8$

Q9.

a) Rewrite 84.37×10^{-4} as a decimal.

b) Express 8.3674×10^4 in ordinary notation, correct to the nearest thousand.

c) Express 25 nanometres – 89 picometres, in metres.

Q13. A rectangular field measures 4.5×10^2 m by 3.6×10^2 m. Calculate its area and the perimeter.

Give your answers in standard form.

TOPIC: DISCOUNT, COMMISSION AND TAX

Q1. A man bought a picture for \$325 and sold it at a profit of 12%. Calculate the selling price.

Q2. A dealer made a profit of 20% by selling a car for \$630. Calculate the price he paid for the car.

Q3. When a shopkeeper sells a camera for \$84 he makes a profit of 12%. Calculate the cost price of the camera.

Q4. A lady buys an article marked at \$ 6.4 but in addition has to pay 15% tax. Calculate the total amount she has to pay.

Q5. A dealer bought a car for \$4000 and sold it for \$4500. Calculate his percentage profit.

Q6. In a sale, a shop reduced all its prices by 20%. Calculate:

- The price of an article which was originally marked at \$26.
- The original price of an article which was sold in the sale for \$44.

Q7. A school is given 65% discount for buying textbook in bulk. How much does the school have to pay for 100 books if each book costs \$ 10 before discount?

Q8. Mr. Ali decided to buy a new car costing \$60,000. He paid for his new car in cash and was given a discount. Given that he paid \$55,000 for his new car, calculate the discount he received.

Q9. A jacket cost \$3800. During a sale, a discount of 15 % is given for the cash payment only. John is paying by Cash, find the amount he saved from availing the discount by making the cash payment.

Q10. At a sale, a microwave selling at a discount of 25% fetches \$3,570. Find the original price of the sofa set.

TOPIC: ALGEBRA

1. Factorize the following algebraic expressions:

(a) $6x + 24$ (b) $8x^2 - 4x$

2. For the following expressions, factorize the first pair, then the second pair:

(a) $8m^2 - 12m + 10m - 15$ (b) $x^2 + 5x + 2x + 10$

3. Expand the following, and collect like terms:

(a) $(x + 2)(x - 2)$ (b) $(y + 5)(y - 5)$

(c) $(3y + 5)(3y - 5)$ (d) $(2t + 7)(2t - 7)$

4. Factorize the following:

(a) $x^2 - 16$ (b) $y^2 - 49$ (c) $x^2 - 25$ (d) $4x^2 - 25$

5. Factorize the following:

(a) $y^2 - 6y + 9$ (b) $x^2 - 10x + 25$ (c) $x^2 + 8x + 16$ (d) $x^2 + 20x + 100$

(e) $m^2 + 16m + 64$ (f) $t^2 - 30t + 225$ (g) $m^2 - 12m + 36$ (h) $t^2 + 18t + 81$

TOPIC: DIRECT AND INVERSE PROPORTION

Q1. If y is directly proportional to X and $y=12$ when $X= 4$, find

- An equation connecting X and y
- the value of y when $X= 8$
- the value of X when $y= 21$

TOPIC: Linear Equations

Q1. Solve the following simultaneous equation using substitution method.

$$7x + 2y = 10$$

$$5x + 2y = 6$$

Q2. Using elimination method, solve the following pair of simultaneous equation.

$$3x + 2y = 7$$

$$9x + 8y = 22$$

TOPIC: Statistics

Q1. The table below shows the length, x mm, of 30 leaves taken from various rubber trees.

137	152	147	134	147	141	157	132	153	166
147	136	146	142	162	169	149	135	166	148
157	141	146	147	163	133	148	150	136	127

Frequency table for the data

a histogram to illustrate the data. **ii. Draw**

Q2. The speeds, in km/h of 100 vehicles are recorded

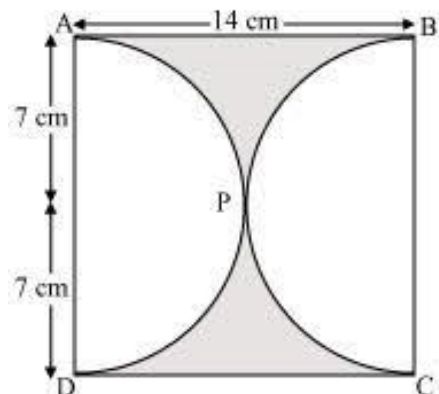
Speed (x km/h)	$30 < x \leq 40$	$40 < x \leq 50$	$50 < x \leq 60$	$60 < x \leq 70$	$70 < x \leq 80$
No. of vehicles	16	25	35	14	10

Calculate an estimate for the mean speed of vehicle

TOPIC: AREA AND PERIMETER

Q1a. Find area of the shaded region of following figure.

b. Find perimeter of the shaded region of following figure.



TOPIC: GEOMETRICAL CONSTRUCTIONS

Q1. Construct a quadrilateral PQRS where $PQ = 4.5\text{cm}$, $QR = 5.6\text{cm}$, $RS = 6.1\text{cm}$, $PS = 4.3\text{cm}$ and diagonal $PR = 6.9\text{cm}$. Measure angles Q, R and S.