



# The Lahore Lyceum

## Canal-Side Campus

# SUMMER VACATIONS HOMEWORK PACK

(APRIL 2020 – MAY  
2020)

Grade- Five

Student Name: \_\_\_\_\_



## GENERAL INSTRUCTIONS FOR PARENTS

Please follow these instructions while getting this vacation work done by your kids;

- 1- This pack shall cover the syllabus for the months of April and May with daily/weekly breakdown.
- 2- Daily diary for this breakdown will be uploaded on EDN Parent App for your support.
- 3- Students will have to complete Homework task on given dates as per daily diary.
- 4- Daily completion of Homework shall enable student to follow the routine.
- 5- You are requested to only guide the children to complete the task.
- 6- The work contains worksheets based on educational videos. Please ensure availability of digital devices and internet connection for your children.
- 7- Please ensure the Homework is neat and tidy. Use Rough notebooks for practice work.
- 8- Final date for the submission of work is subjected to the Re-open of Schools as per government directives.
- 9- Total (10) marks have been allocated for completion of Homework from Grade 1 to 9, as per followings:
  - a. Neatness: (02) Marks
  - b. Completion and accuracy: (06) Marks
  - c. Handwriting: (02) Marks

**Stay Safe!**

**Best Regards,  
Principal**

# لاہور لائسنس اسکول

## چھٹیوں کا کام

### والدین کیلئے ضروری ہدایات

محترم والدین!

بچوں سے کام کرواتے ہوئے مندرجہ ذیل باتوں کو مد نظر رکھیں:

- ۱۔ آپ کو مطلع کیا جاتا ہے کہ یہ پیک اپریل اور مئی کے سلیبس کی روزانہ / ہفتہ وار تقسیم کار پر مشتمل ہے۔
- ۲۔ اس پلاننگ پر مشتمل ہوم ورک ڈائری روزانہ کی بنیاد پر EDN PARENT APP پر اپلوڈ کی جائیگی۔ جس کے مطابق کام کرنا ہر بچے کے لیے نہایت ضروری ہے۔
- ۳۔ یاد رہے کہ روزانہ کی بنیاد پر ہوم ورک کی تکمیل سے ہی بچے سلیبس مکمل کر پائیں گے۔
- ۴۔ آپ سے گزارش ہے کہ کام کی تکمیل میں بچوں کی صرف رہنمائی کریں اور انہیں کام خود کرنے دیں۔ اسکول کھلنے پر کام میں ضروری اصلاح اساتذہ خود کروائیں گے۔
- ۵۔ کوشش کریں کہ بچوں کا کام صاف اور خوشخط ہو۔ لکھائی کے لئے نوٹ بک یارف رجسٹر استعمال کریں۔
- ۶۔ اس پیک میں تعلیمی رہنمائی کے لئے ورک شیٹس اور ویڈیوز شامل کی گئی ہیں۔ لہذا بچوں کے لئے اسمارٹ فون / کمپیوٹر اور انٹرنیٹ کی فراہمی یقینی بنائیں۔
- ۷۔ کام مکمل کرنے کے بعد اسکول میں جمع کروانے کی تاریخ کا اعلان حکومت کے احکامات کے مطابق کیا جائیگا۔
- ۸۔ چھٹیوں کا کام مکمل کرنے پر بچوں کو اعزازی نمبروں سے نوازا جائیگا جنہیں پہلی سہ ماہی کے امتحانات میں شامل کیا جائیگا۔ نمبروں کی تقسیم صفحہ نمبر 1 پر دی گئی ہے۔

احتیاط کریں اور محفوظ رہیں!

اسکول پرنسپل

### Some Every Day Tasks

- Keep your belongings in their places.
- Arrange your shoes in the shoe rack.
- Help your mother to maintain your wardrobe.
- Arrange the table for the dinner with your mother.
- Go out in the evening with your Dad, walk, Jog or does some exercise to keep yourself fit.

### Helping Hands

- Make a gift pack containing coloring book and color pencils and give to a needy child.
- Take a picture and paste it in your album.

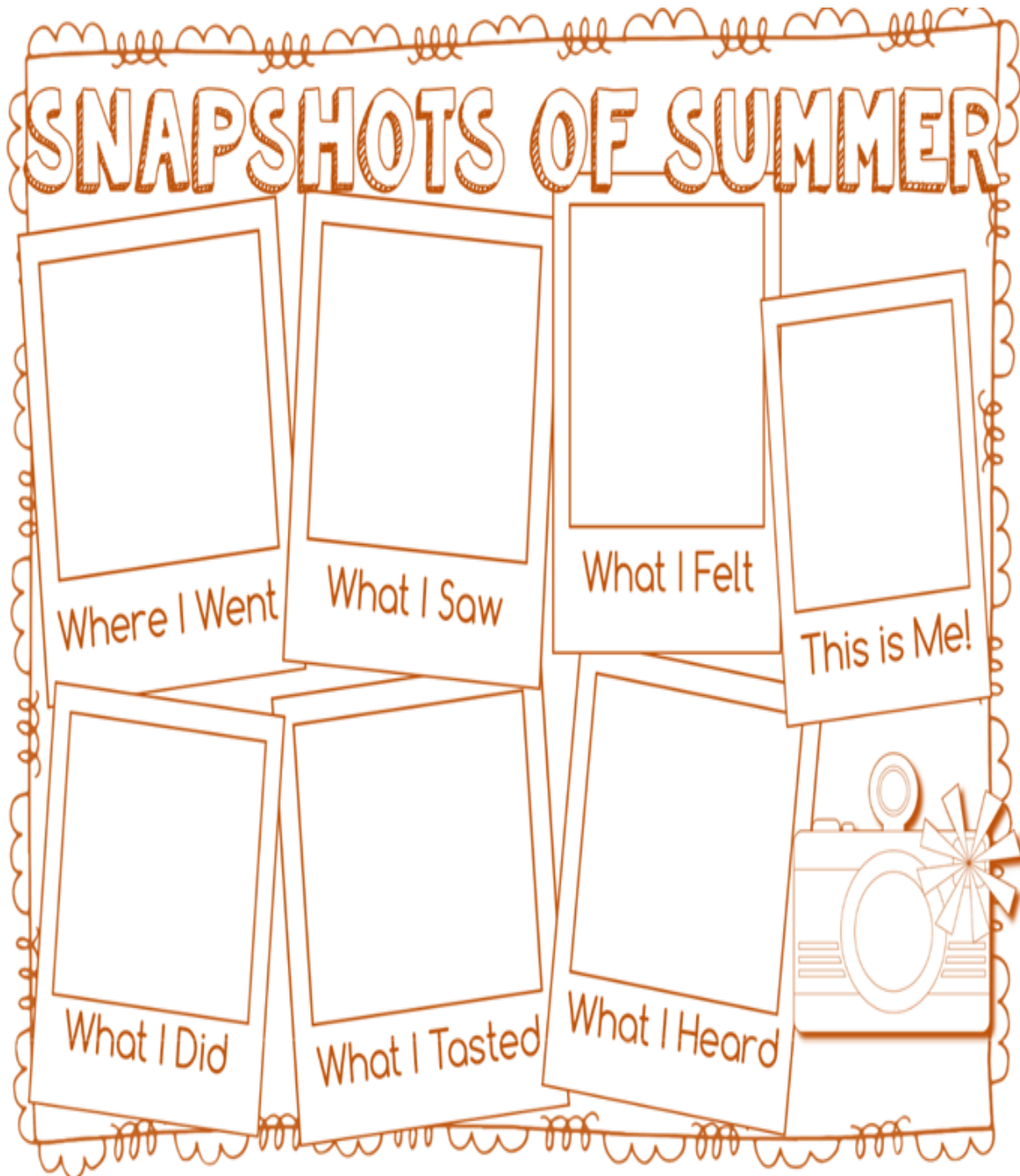
### Be Creative

- Make an Eid Card For your Mom and Dad
- Make three faces with paper plates.(happy, sad, cross/angry)

### Activities for Holiday

- Make a mango shake and write the ingredients.
- Visit the zoo/park and collect different things and paste on a chart paper.









Week 1

13<sup>th</sup> April, 2020 to 18<sup>th</sup> April, 2020

**Novel: Othello and Other Stories**

**Biography of Shakespeare**

William Shakespeare was born in Stratford-upon-Avon, England, in 1564. He was educated at the local English Language School. At the age of eighteen, he married Anne Hathaway. They had three children. Between 1585 and 1592, he became an actor and started writing plays.

In 1594, he became one of the owners of a popular acting company which was later renamed the King's Men by King James 1. Between 1594 and 1598, Shakespeare wrote some very popular plays: Richard II, Romeo and Juliet and A Midsummer Night's Dream.

As Shakespeare became famous, he stopped acting. From 1603 onwards, he focused on writing and directing his plays. During this time, he wrote three tragedies – Othello, King Lear and Macbeth – and the Roman plays Julius Caesar, Anthony and Cleopatra and Coriolanus.

He lived in London throughout his working life, while his family stayed in Stratford. He returned to Stratford in about 1610, when he wrote the winter's Tale and his final play, the Tempest. He died in 1616.

**Do reading of chapter "Othello"**

**O.P.E.:**

**Unit 1: Two Expeditions**

**Words Meaning**

Words	Meaning
Expedition	A journey with a particular purpose
Sledges	A vehicle on runners for conveying loads
Explorer	A person who explore a new area
Frost Bite	Chilliness
Beach	A pebbly or sandy shore

**Essay**

**How I Spent My Holidays**

I will never forget this year's holidays. At first I thought these holidays would be very boring, because I was going at the seaside with my family. I fought I would be looking forward to come back to school, but I was wrong. I can say my holidays were one of the best in my life.

The beginning was quite boring, but on the 15th of July I went with my parents and my family by the sea. We spent 3 weeks there! We lived at nice, but quite expensive hotel, I think. Our accommodation was in a really good condition. There were two rooms, huge bathroom, terrace with Jacuzzi and a swimming-pool in the front of the building. The hotel was near the sea, it was really comfortable. Sometimes we were going back from the beach late at night, quite tired and hungry. During those three weeks I met a lot of





interesting and kind people. In fact, I spent with them most of the time. They have become my friends. We were building sandcastles, we were swimming, we visited many interesting places and we were sunbathing. We were also doing many wild things, it was unforgettable. The weather was great- every morning I was waking up to a deep blue sky and blazing sun. Only one day it was raining, but the rain was quite warm.

I enjoyed my holidays. It was great for my health. I was lying on a beach and relaxing... All tensions disappeared. This year's holidays were worth remembering.

### **English Language:**

**Noun:** It is a word used to identify any of a class of people, places, or things, or to name a particular one of these

### **Activity 1.1**

**Read these statements carefully then make a list of nouns you see in them**

- The boy lost his football
- The woman gave the dog a bone
- Did the cat scratch your hand?
- Yesterday I ate an orange, an apple and a banana.
- The monkey ate all the nuts which the children gave him.

_____	_____	_____
_____	_____	_____
_____	_____	_____

**Write the correct collective noun in the spaces below.**

- There is a new suite of furniture in the launch.
- A steep flight of steps lead to the artist studio.
- At sunset a large number of trawlers put to sea.
- Nigel received a fine kit of tools for his birthday.
- Jenifer presented the queen with a bunch of flowers.
- Mr. Jackson smokes a large packet of cigarettes every day.
- There is only playing card missing from this set.
- The author has a large library of books of all kinds.
- The baker burnt the first set of loaves.
- Pitter pitched his tent under the clump of trees.

**Make sentences of the following words.**

<b>Words</b>	<b>Sentences</b>
Expedition	
Sledges	
Explorer	
Frost Bite	





Beach

Week 2

20<sup>th</sup> April, 2020 to 25<sup>th</sup> April, 2020

**Novel:**

**Chapter 1:Othello**

**Question and Answers:**

**Q1. What were Desdemona's thoughts about marriage?**

Ans. She thought that a man's character and mind were more important than his age or his appearance.

**Q2. Who was Iago?**

Ans. Othello had an enemy called Iago who was a soldier in the Venetian army. Iago had hoped to become senior officer.

**Q3. Why Iago hated Othello's?**

Ans. Iago hated Othello he was angry that Othello had not made him a senior officer he was jealous of Othello's military success he had also heard people say that Othello had made love to his wife Emilia.

**Q4. What Othello said after revealed his secret of marriage?**

Ans. Othello speaking simply and plainly told the senate what had happened. He admitted that he had married Desdemona but denied that he had used any evil means to make her love him. Everyone believed him.

**Q5. What was the relation of Casio with Othello?**

Ans. Casio was the friend of Othello and Desdemona, he was young and handsome, and he had acted as a go between for Othello and Desdemona, taking massages from one to the other before they had married. Othello was very thankful for his help, since he himself was not used to the kind of gentle conversation which pleased ladies, he had often sent Casio to Brabantio's home and it was no surprise that Desdemona looked on him as one of their closest friend.

**O.P.E.:**

**Question Answers**

**1. How many children does Ann have?**

Ans: Ann has three children.

**2. How did Ann ring her family?**

Ans: She phoned her family on a satellite phone to say I am here at the North Pole.

**3. How many men walked with Ann and Caroline to the North Pole?**

Ans: For Ann and her co traveller Caroline Hamilton, it was a double success they were the first all women team to walk to the North Pole.



**4. Why did Pom get frost bite?**

Ans: It was very cold -50°C that the third woman, Pom, had frost bite on her toes.

**5. Why not Pom could finish the walk?**

Ans: Because she cannot walk any further.

**6. How many people completed the journey with Jim?**

Ans: Jim alone completed the journey.

**7. Why did Jim wake up one night?**

Ans: One night Jim was sleeping when he woke up suddenly he could hear an engine noise, when he looked out he saw a huge ship coming towards him. Luckily it missed him by a few meters. He was so shocked he could not sleep for a week.

**8. Why do you think sharks swam round Jim's boat?**

Ans: To hurt the Jim.

**Moral Story:**

**A Thirsty Crow**

One hot day, a thirsty crow flew all over the fields looking for water. For a long time, he could not find any. He felt very weak, almost lost all hope. Suddenly, he saw a water jug below the tree. He flew straight down to see if there was any water inside. Yes, he could see some water inside the jug!

The crow tried to push his head into the jug. Sadly, he found that the neck of the jug was too narrow. Then he tried to push the jug to tilt for the water to flow out, but the jug was too heavy.

The crow thought hard for a while. Then, looking around it, he saw some pebbles. He suddenly had a good idea. He started picking up the pebbles one by one, dropping each into the jug. As more and more pebbles filled the jug, the water level kept rising. Soon it was high enough for the crow to drink. His plan had worked!

**Moral:** "Think and work hard, you may find solution to any problem."

**English Language:**

**Gender:** Gender is the range of characteristics pertaining to, and differentiating between, masculinity and femininity. Depending on the context

There are four types of gender, Masculine, Feminine, Common, Neuter

**Exercise:**

Change each feminine noun to the masculine gender:

Feminine	Masculine	Feminine	Masculine
Princess		Sally	
Goose		Waitress	
Grandmother		Duck	
Cow		Mare	



Bride		Landlady	
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Week 3	27 <sup>th</sup> April, 2020 to 2 <sup>nd</sup> April, 2020
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**Novel:**

### Chapter 2: Timon of Athens

#### **Question Answers**

**1. What type of man was Timon?**

Ans: Timon was a noble man who lives in the city of Athens, his father left him a great fortune and he soon became well known for his generosity, he loved to give presents to the people he knew and he loved to help those in need, his house was open to everyone.

**2. How Timon's wealth grew smaller?**

Ans: As time went on Timon's great wealth grew smaller because he spent his riches so freely on others. His steward, the chief servant in his house warned him time and again riches, Timon would replay were meant to make people happy and he enjoyed using his wealth to give pleasure to others.

**3. What was the Behaviour of Lucullus regarding Timon?**

Ans: Lucullus then sent his own servants out of the room so he could speak to Flaminius in secret. Listen honest Flaminius He said your lord is a good kind gentleman, that's true, but you are wise enough to know that this is a bad time to lend money. Now here is a little money for yourself just tell Timon that when you came here I was out. Flaminius was shocked, he threw the money in Lucullus's face and went off full of anger.

**4. How Sempronius refused to help Timon?**

Ans: Sempronius walked about the room thinking hard that I am the last he asked for help and people will think I am a fool if I help him now and they will all laugh at me because of it. If he had sent to me first I would have given him three times as much as he needs but now I will not lend him anything.

**O.P.E.:**

### Unit 2: The Magic Paint Brush

#### **Words Meaning**

Words	Meaning	Words	Meaning
Mural	Painting	Summoned	Court Ordered
Frightened	Feeling fear	Command	Authoritative Order
Excited	Eager	Ladder	Stairs
Gleamed	Shine	Possession	Ownership
Blink	Flashed		

## Activity 2.1

### Match the sentences with the pictures

- The speedboat is *heading for* the beach.
- She *takes after* her mother; they are both good at art.
- WET CEMENT! *Keep off* the path.
- During our trip, we *came upon* a deserted village.
- The guard dog *went for* the burglar and bit his leg.
- They had little food, but they *got through* the winter.
- Jo *asked after* you: I said you were fine.
- The police are *looking into* the cause of the accident.



### Moral Story:

#### Pride Hath a Fall

It is related that in a certain far-off forest, a haughty hare and a humble tortoise used to live rosy life. The hare was swift in his pace, but the tortoise was slow in his pace. At times, it so happened when they got together the arrogant hare spared no chance to tease the tortoise for his sluggish nature. The poor tortoise always listened and kept quiet. One day the tortoise challenged the hare to run a race with him which he accepted. Both the hare and the tortoise fixed the day for the race between two extremes.

Thus, the race started and in no time the hare was out of sight due to his brisk speed. As the tortoise was moving at a snail's pace, so he was left far behind. On the way the hare thought that the slow-moving tortoise would never reach the winning point in time, he lay down under a cool shady tree and soon he slept. On the other hand, the tortoise kept walking slowly but steadily. While the tortoise was on his way, he caught a sight of the hare enjoying a sweet sleep. The tortoise moved on with the same slow pace but with firm conviction in his success. The time passed by swiftly but stealthily for the sleepy hare. At length, the tortoise reached the top of the hill quite amazingly.

#### English Language

**Verb:** a word used to describe an action, state, or occurrence, and forming the main part of the predicate of a sentence, such as *hear, become, happen*



## **Activity 2.2**

**Make Sentences of the following words**

<b>Words</b>	<b>Sentences</b>
Mural	
Frightened	
Excited	
Gleamed	
Blink	
Possession	
Summoned	
Command	
Ladder	

<b>Week 4</b>	<b>4<sup>th</sup> April, 2020 to 9<sup>th</sup> April, 2020</b>
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### **Application to Principal for More Books in Library**

To,  
The Principle,  
The Lahore Lyceum,  
Canal side Campus.

#### **Sub: Application for More Books in Library**

Respected Sir,

With due respect, it is stated that I am a student of the school (The Lahore Lyceum) and a member of its library. I want to inform that collection available at the library is not enough to fulfill academic needs of students. I have taken a detailed survey of the available books and compared it with the courses. I believe that we need additional books for the library.

I have attached a list of books to this application which is attested by our teachers. Please add more books to the library so that students can have access to more up-to-date knowledge.

Thank you for your time and consideration.

Yours sincerely,

Name...

Class/Grade no...



<b>Present Tense</b>	<b>Past Tense</b>	<b>Past Participle</b>	<b>Present Tense</b>	<b>Past Tense</b>	<b>Past Participle</b>
hurt	hurt	hurt	am	was	been
hold	held	held	bear	bore	borne
kneel	knelt	knelt	beat	beat	beaten
know	knew	known	become	became	become
lay	laid	laid	begin	began	begun
leave	left	left	bite	bit	bitten
lie	lay	lain	bleed	bled	bled
mow	mowed	mown	blow	blew	blown
ride	rode	ridden	break	broke	broken
ring	rang	rung	bring	brought	brought
rise	rose	risen	broadcast	broadcast	broadcast
run	ran	run	build	built	built
saw (wood)	sawed	sawn	burst	burst	burst
see	saw	seen	buy	bought	bought
seek	sought	sought	catch	caught	caught
sew	sewed	sewn	choose	chose	chosen
shake	shook	shaken	come	came	come
show	showed	shown	creep	crept	crept
sing	sang	sung	do	did	done
sink	sank	sunk	draw	drew	drawn
slay	slew	slain	drink	drank	drunk
speak	spoke	spoken	deal	dealt	dealt
spring	sprang	sprung	drive	drove	driven
steal	stole	stolen	drown	drowned	drowned
strike	struck	struck	eat	ate	eaten
swear	swore	sworn	fall	fell	fallen
swell	swelled	swollen	feel	felt	felt
swim	swam	swum	fight	fought	fought
take	took	taken	flee	fled	fled
teach	taught	taught	fly	flew	flown
tear	tore	torn	forget	forgot	forgotten
think	thought	thought	forsake	forsook	forsaken
throw	threw	thrown	freeze	froze	frozen
tread	trod	trodden	give	gave	given
wear	wore	worn	go	went	gone
weave	wove	woven	grow	grew	grown
wind	wound	wound	hang (article)	hung	hung
wring	wrung	wrung	hang (person)	hanged	hanged
write	wrote	written	hide	hid	hidden

**Forms of Verbs**





Week 5

11<sup>th</sup> April, 2020 to 16<sup>th</sup> April, 2020

**Novel:**

### **Chapter 3: Coriolanus**

#### **Question Answers**

**1. How a man can become a consul?**

Ans: As time went by, the common people became more powerful they even took part even choosing the consul. Any patrician who wanted to be consul had to win the approval of the people if the plebeians did not like him, he could not become consul.

**2. What Menenius spoke to the crowd about Coriolanus?**

Ans: He said that in spite of his faults Coriolanus deserved much for his services to his country. He advised the tribunes to behave wisely they could send for Coriolanus and give him time to answer the people who accused him, and make peace with them. The tribune and the crowd agreed to follow Menenius's plan.

**3. How Coriolanus entered in a volscian city?**

Ans: Coriolanus entered Antium disguised as a bagger his face was well covered. It would not do for the citizens of the Antium to see him. He had killed too many of them and their relatives.

**4. What was the last hope to bring back the Coriolanus?**

Ans: As a last hope, his mother, wife and little son were sent to him. It was indeed difficult for Coriolanus to harden his heart against them. He was afraid to see them in private. In case he gave into them.

**O.P.E:**

### **Unit 3: What's in the future?**

#### **Words Meaning**

<b>Words</b>	<b>Meaning</b>
Spacecraft	Shuttle
Unmanned	Unnerved
Stacked	Deformed
Sensor	Electric eye
Frequency	Density





## Application to Principal Requesting for Grant of Fee Concession:

To,  
The Principal,  
The Lahore Lyceum,  
Canal Side Campus.

### **Subject: Application for Grant of Fee Concession**

Sir,

Most respectfully, I beg to state that I am studying in class 5 of your school. I passed 4 class and achieved good grades in all the sections. My father is a Govt. service holder. He is not able to support our whole family by his salary. My grandparents also depend on him. My two sisters are studying in your institute. In this situation he is not in a position to pay my fee.

In these circumstances, kindly grant me full fee concession, otherwise I will not be in a position to continue my studies further. Please consider my problems sympathetically.

You're most obediently,

Name....

Class

### **English Language:**

**Conjunction:** a conjunction is a word which joins together two single words or two groups of words.

### **Activity Of The Week**

**Make sentences of the following words**

Words	Sentences
Spacecraft	
Unmanned	
Stacked	
Sensor	
Frequency	



**Write an application to your principal requesting her to arrange a trip to a famous historical place.**

To,  
The Principle,  
The Lahore Lyceum,  
Canal Side Campus.

**Subject: Prayer for Permission to go to Study Tour.**

Sir,

With due respect we are the students of your school, beg to state that we want to go to a study tour on next week for refreshment. We think we can gain practical knowledge of various things along with of our text books. It also helps to make a good breakthrough from our boring life. So we need your permission and financial support and we are also hoping you to come with us.

We will be much obliged if you allow us to arrange and go to the study tour.

Yours obediently,

Name.....

**English Language:**

**Contraction:** A contraction is a shortened version of the written and spoken forms of a word, syllable, or word group, created by omission of internal letters and sounds

**Complete each sentence by using the correct word chosen from those in brackets.**

1. A dog wags — tail when — pleased. (**its; it's**)
2. The teacher asked — fountain pen it was. (**who's; whose**)
3. I — got your cricket ball. (**haven't; ain't**)
4. Tony thinks — a lovely little puppy. (**its; it's**)
5. That's the boy — father was injured. (**who's; whose**)
6. I hope you — wet. (**ain't; aren't**)
7. We want to know — to pay for the outing. (**who's; whose**)
8. Robert — like swimming. (**doesn't; don't**)
9. — to say — fault it is? (**who's; whose**)
10. They — come to our house very often now. (**doesn't; don't**)



Week 7

25<sup>th</sup> April, 2020 to 30<sup>th</sup> April, 2020

## Write a letter to your brother about the importance of the study of Science subjects

Examination Hall,

City A.B.C.

March 09, 2020

My dear brother,

I received your letter yesterday. I came to know about your result of Middle Standard Examination. I am very happy to find that you have got first division. Now you will join class nine. It is time for you to decide about your subjects of study. It is an age of Science. If we want to succeed in this modern world, we must study Science. So I would like to advise you to take up science subjects to study in future.

If you study science subjects, there will be more scope for you in life. No doubt that you will have to work hard but it will be in your interest. I hope you will act upon my advice and make your life better.

Yours affectionate,

Name .....

### English Language:

**Adjective:** a word naming an attribute of a noun, such as sweet, red, or technical

Insert an adjective before each noun in the sentences below:

1. I went to the \_\_\_\_\_ seaside with my \_\_\_\_\_ friends.
2. I ate \_\_\_\_\_ food when I went to the \_\_\_\_\_ restaurant.
3. The \_\_\_\_\_ tiger growled loudly as he grabbed his \_\_\_\_\_ prey.
4. \_\_\_\_\_ trees swayed in the \_\_\_\_\_ wind.
5. Crying and screaming, the \_\_\_\_\_ baby crawled over to his grandma.
6. After a while, the \_\_\_\_\_ sun started to burn my skin.
7. The \_\_\_\_\_ building towered over me.
8. Rapidly, the \_\_\_\_\_ car sped down the \_\_\_\_\_ road.
9. Huffing and puffing, the \_\_\_\_\_ man sulked in his \_\_\_\_\_ chair.



**Contractions:  
Fill in the Blank**

1. \_\_\_\_\_ going outside. (He is)
2. \_\_\_\_\_ finished eating. (They have)
3. He \_\_\_\_\_ sing. (can not)
4. \_\_\_\_\_ go swimming. (Let us)
5. You \_\_\_\_\_ do that. (should not)
6. They \_\_\_\_\_ coming. (are not)
7. \_\_\_\_\_ leaving soon. (They are)
8. \_\_\_\_\_ a sunny day. (It is)
9. She \_\_\_\_\_ look too happy. (did not)
10. \_\_\_\_\_ better go now. (I had)
11. I \_\_\_\_\_ stay late. (will not)
12. \_\_\_\_\_ have fun at the show. (We will)

**Fill in the blanks with conjunctions**

1. The teacher not only left the classroom, but also slammed the door.
2. \_\_\_\_\_ my mom \_\_\_\_\_ my dad graduated from college.
3. You have to keep the car \_\_\_\_\_ close to the curb \_\_\_\_\_ possible.
4. We cannot decide \_\_\_\_\_ we should go to France \_\_\_\_\_ Italy.
5. It's \_\_\_\_\_ about how much money you have \_\_\_\_\_ how you spend it.
6. \_\_\_\_\_ my cousin \_\_\_\_\_ my grandma love to eat shrimp and grits.





Fill in the blanks with suitable helping verb:

1. My little sister has (have) a lot of stuffed animals.
2. For my birthday, my mom always \_\_\_\_\_ (make) me a cake.
3. The entire class \_\_\_\_\_ (had want) to go to the assembly on Friday.
4. The teachers \_\_\_\_\_ (is deciding) if we \_\_\_\_\_ (gets) a longer recess.
5. My parents \_\_\_\_\_ (has goes) to the same restaurant where they met.
6. On Thanksgiving, we \_\_\_\_\_ (eats) turkey and potatoes at my grandpa's house.
7. The baseball team \_\_\_\_\_ (will be travel) to South Carolina for a big tournament.
8. The computers \_\_\_\_\_ (is) located in the computer lab.
9. That little boy \_\_\_\_\_ (ask) me what my name is every day.
10. We \_\_\_\_\_ (loses) every game we play.





# Mathematics





**Natural Numbers:** *Natural numbers* begin at 1 and increment to infinity: 1, 2, 3, 4, 5, etc.

**Even Numbers:** are whole numbers that are divisible by 2, e.g. 0, 2, 4, 6, 8,

**Odd Numbers:** are whole numbers that are not divisible by 2, e.g. 1, 3, 5, 7, ....

**Prime Number:** A prime number is a whole number that has exactly 2 different factors, 1 and itself, e.g. 2, 3, 5, 7,

**Write the following in words**

For Example: **786 492** can be written as “Seven hundred and Eighty six thousand four hundred and ninety two”

a) **504 461 :**

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b) **9 876 543 :**

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---

**Write missing numbers?**

a)  $340\ 537 = 300\ 000 + \underline{\hspace{2cm}} + 500 + 30 + 7$

b)  $1\ 002\ 201 = \underline{\hspace{2cm}} + 2000 + 200 + 1$

c)  $8\ 000\ 000 + \underline{\hspace{2cm}} + 30\ 000 + 4000 + 200 + 9 + 1 = 8\ 734\ 291$

d)  $600\ 000 + 40\ 000 + 5\ 000 + 300 + 20 + 8 = \underline{\hspace{2cm}}$

**Round off each of the following numbers to the nearest hundred and thousand.**

Number	Nearest 100	Nearest 1000
77 521		
607 452		
1 857 366		





**Prime Factorization:** The process of expressing a number as a product of its prime factors is called prime factorization.

**Find prime factors of 40**

**Step 1:** Divide 40 with 2

**Step 2:** Divide 20 with 2

**Step 3:** Divide 10 with 2

**Step 4:** Since 5 is no more divisible by 2, move to the next prime number i.e. 3. Since 5 is also not divisible by 3. So move to the next prime number i.e.5

$$\begin{array}{r|l} 2 & 40 \\ \hline 2 & 20 \\ \hline 2 & 10 \\ \hline 5 & 5 \\ \hline & 1 \end{array}$$

$40 = 2 \times 2 \times 2 \times 5$

**Find prime factors of 126**

**Step 1:** Divide 126 with 2

**Step 2:** Since 63 is not divisible by 2, move to the next prime number i.e. 3. Divide 63 with 3

**Step 3:** Divide 21 with 3

**Step 4:** Since 7 is not divisible by 3, move to the next prime number i.e. 5. Since 7 is also not divisible by 5. So move to the next prime number i.e.7

$$\begin{array}{r|l} 2 & 126 \\ \hline 3 & 63 \\ \hline 3 & 21 \\ \hline 7 & 7 \\ \hline & 1 \end{array}$$

$126 = 2 \times 3 \times 3 \times 7$

a) Find prime factors of 18	b) Find prime factors of 250



**Average:** A number expressing the central or typical value in a set of data. We can easily calculate it by adding up all the numbers, then divide by how many numbers there are. In other words it is the sum divided by the count.

Example: What is the average of these numbers? 6, 11, 7

**Step 1:** Add the numbers:  $6 + 11 + 7 = 24$

**Step 2** Divide by *how many* numbers (there are 3 numbers):  $24 / 3 = 8$

The Average is 8

**Q5) Find the average of each of the following.**

a) 10, 25, 50 and 35	b) 12, 30 and 3

**Q6) Compare the numbers? Write < or > in the given boxes**

- a) 765 370 \_\_\_\_\_ 763 685      d) 9 835 175 \_\_\_\_\_ 8 930 384  
b) 106 978 \_\_\_\_\_ 104 978      e) 5 560 764 \_\_\_\_\_ 5 650 764  
c) 48 076 \_\_\_\_\_ 84 076

**Q7) Divide 3600 by 400**

$$64\ 000 \div 8000 = 64\ 000 \div \underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$$

= \_\_\_\_\_.

**BODMAS Rule:** It stands for Bracket, Of, Division, Multiplication, Addition and Subtraction. It explains the order of operations to solve an expression.

**Reference Video**

<https://www.youtube.com/watch?v=dAgfnK528RA&list=TLPQMDgwNDIwMiCc6vLk8hfxwg&index=2>

**Q8) Find the value of the following.**

a) $18 + (28 - 7) \div 3 - 11$	b) $(6 + 5) \times (15 - 7)$	c) $72 + 35 \div 7$



**Q9) Add and subtract the following fractions.**

For Guideline related adding fractions watch this video

<https://www.youtube.com/watch?v=QgizFohvJo0>

a) $\frac{3}{4} + \frac{2}{5}$	b) $\frac{5}{6} + \frac{3}{4}$	c) $3\frac{5}{6} + 4\frac{7}{9}$
--------------------------------	--------------------------------	----------------------------------

**Q10) Find the value of the following.**

For Guideline related fractions multiplication Watch these videos

<https://www.youtube.com/watch?v=qmfXyR7Z6Lk>

<https://www.youtube.com/watch?v=zQDNnDxsxi8>

a) $\frac{5}{7} \times \frac{21}{8}$	b) $\frac{17}{25} \times \frac{5}{16}$	c) $5\frac{7}{8} \times 8$
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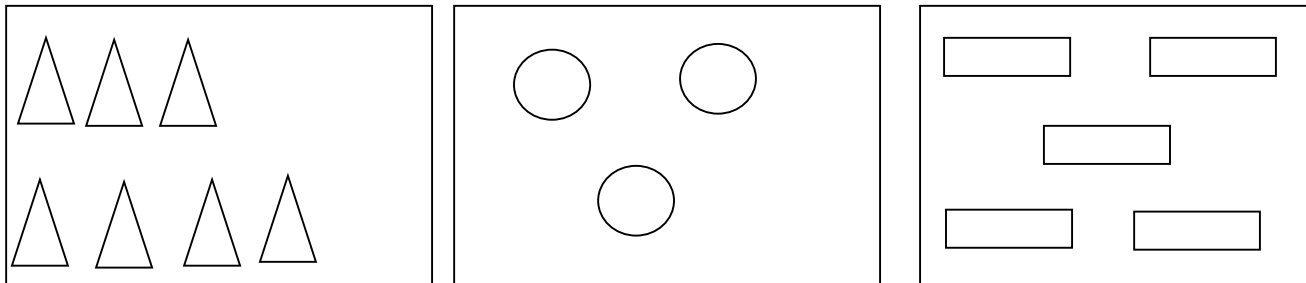
**Q11) Convert the following fractions into decimals.**

a) $\frac{3}{5}$	b) $\frac{20}{25}$
------------------	--------------------

**Q12) Find the missing numbers.**

- a)  $4 : 3 = \underline{\quad} : 12$
- b)  $\underline{\quad} : 5 = 16 : 20$
- c)  $3 : 4 : 5 = 12 : \underline{\quad} : \underline{\quad}$
- d)  $2 : 7 : 2 = \underline{\quad} : 21 : \underline{\quad}$

**Q13) Find the ratio of each of the following.**



- a) The number of circles to the number of rectangles \_\_\_\_\_
- b) The number of triangles to the number of rectangles \_\_\_\_\_
- c) The number of 3 sided figures to the number of 4 sided figures \_\_\_\_\_
- d) The number of triangles to the number of circles to the number of rectangles \_\_\_\_\_
- e) The number of circles to the total number of shapes \_\_\_\_\_

**Q14) Convert the following decimals into fractions in their simplest form.**

a) 0.22	b) 12.8
---------	---------



**Q15) Express the following divisions as fractions in their simplest forms**

a)  $5 \div 15$

b)  $12 \div 20$



# SOCIAL STUDIES





Week 1

13<sup>th</sup> April, 2020 to 18<sup>th</sup> April, 2020

### Unit # 1: Karachi

Do reading of pages 3 to 7

#### **Q # 1: Short Questions:**

1. Which climate Karachi has?

Ans: Karachi has a fairly mild climate.

2. When tourists visit Karachi?

Ans: Winter is considered to be the best time to visit the city so this is the time when most tourists visit Karachi.

3. What are goods?

Ans: Goods come from plants, animals, or the Earth. They can also be made. Examples of goods include food, clothing, machinery, films, fish, and books.

4. What are the services?

Ans: Services are things provided for you by other people. Examples of services include schools, hospitals, printing, street cleaning, road building, and sewage treatment.

5. What are the main crops of Thar?

Ans: The main crops are bajra, chillies, pulses, jowar, maize, sesame, and groundnuts.

#### **Activity 1.1**

Match the two parts of each sentence so that it makes sense:

- |  |                                |
|--|--------------------------------|
| 1. Karachi is the main Centre of trade   | ● an arch collapses            |
| 2. A bay is a coastal inlet with         | ● see and touch                |
| 3. other people                          | ● A stack is formed when       |
| 4. The Karachi coast has become polluted | ● in Pakistan                  |
| 5. Goods are things that you can         | ● bought from other countries  |
| 6. Services are things provided you by   | ● land on three sides          |
| 7. Imports are goods that are            | ● from factory waste           |
| 8. Exports are goods                     | ● textiles, chemicals and care |
| 9. Some of the goods made in Karachi are | ● sold to other countries      |





Week 2

20<sup>th</sup> April, 2020 to 25<sup>th</sup> April, 2020

### Q # 3: Long Question and Answer

**1. Write down some interesting facts about Karachi.**

Ans: Interesting facts about Karachi

- Larger city of Pakistan
- Main Seaport of Pakistan
- Capital city of Sindh province
- One of the world's largest cities
- Main center of banking, industry and trade in Pakistan.
- Was the capital city of Pakistan till 1960 when Islamabad was created as new capital city
- Is called the city of lights due to its liveliness
- People who live in the city known as Karachiites

**2. Draw table of average monthly temperatures and rainfall for Karachi.**

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
<b>Average low temperature °C</b>	13	14	19	23	26	28	27	26	25	22	18	14
<b>Average High temperature °C</b>	25	26	29	32	34	34	33	31	31	33	31	27
<b>Rainfall (mm)</b>	13	10	8	3	3	18	85	61	13	0	3	5

**3. What is the condition of water in Thar Desert?**

Ans: Lack of water makes life difficult for people living in the Thar. When rain falls, it collects in small natural ponds. Sometimes people make ponds to collect the water. Often these ponds are the only water supply for the animals and humans, so when they dry up, the people move on to find more water. Some villages have wells that everyone can use. This means the people can stay in one place instead of moving on to find water all the time.

**4. Write some problems of a big city Karachi.**

Ans: like other big cities in the world, many of Karachi's problems are due to overcrowding. Such large numbers of people cause problems such as traffic jams, not enough houses, and not enough electricity and water for everyone's needs. The air, land and rivers are polluted by the waste from all the factories and the



people. Unfortunately there are not enough jobs for everyone so many people have no choice but to live in areas where living conditions are very poor.

**5. Write about the port of Karachi.**

Ans: The port of Karachi is Pakistan's largest and busiest sea port. The port is in a deep, natural harbor. It has a long sheltered channel for ships to move safely into the port.

Many of Pakistan's imports and exports are handled by the port. Imports are goods and services that are brought from other countries. Exports are goods and services that are sold to other countries.

**Activity 1.2**

**Make a list of goods that Pakistan import and export**

Imports		Exports	

Week 3	27 <sup>th</sup> April, 2020 to 2 <sup>nd</sup> April, 2020
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**Unit 2: Baluchistan**

**Do reading of Page # 19 & 21**

**Q # 1: Short Questions**

**Q1. What are mud volcanoes?**

Ans: A mud volcano is created when water, gases and mud from deep underground escape to the surface of the earth. There it spreads out or forms mounds or cones.

**Q2. Give a short detail about Juniper forest.**

Ans: The Juniper is one of the slowest growing tree in the world and some of the trees in Baluchistan are over 5,000 years old

**Q3. Why the Juniper forests are in danger?**

Ans. The forests are in danger just because disease is killing the tree, people cut down the tree for fire wood

**Q4. What is the temperature of Baluchistan in winter and summer?**



Ans: In winter the temperature can fall as low as  $-20^{\circ}\text{C}$  in the northern and mountainous region. In summer temperatures are between  $18$  and  $50^{\circ}\text{C}$  in most reason.

**Q5. Tell the name of largest dry lake in kharan desert.**

Ans: The largest one is Hamun-i-Mashkil

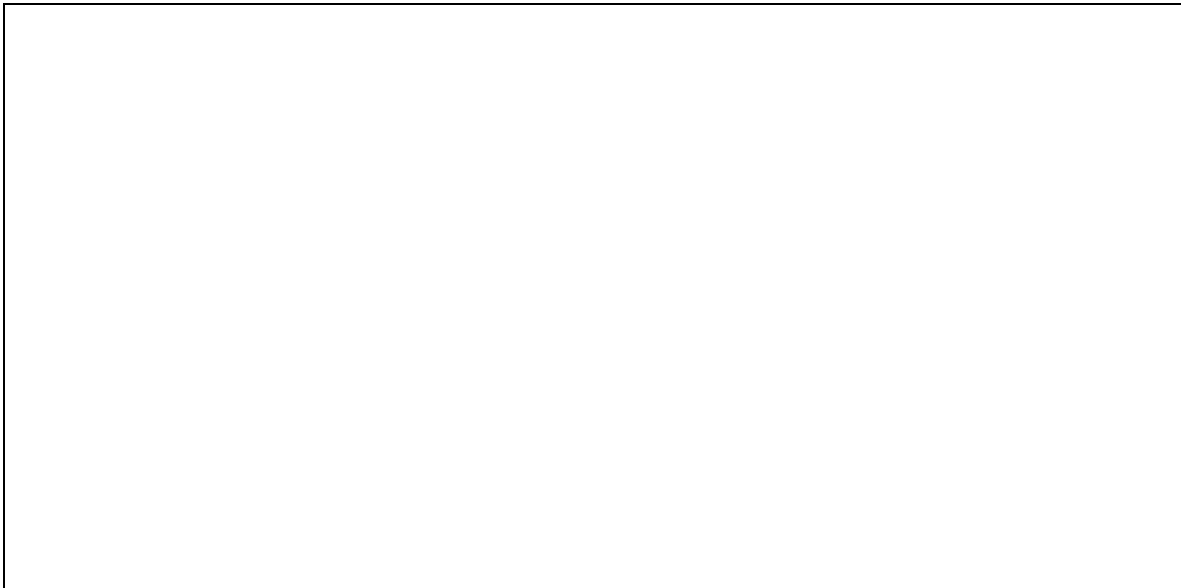
**Q6. How many types of minerals?**

Ans: There are two types of minerals,

1. Metallic (e.g. iron, Copper, Gold and Silver)
2. Non-Metallic (e.g. Coal, Oil, Marble, Gem Stones and Sulpher)

### **Activity 2.1**

**Draw map of Pakistan and color the provinces with different shades.**



**Week 4**

**4<sup>th</sup> April, 2020 to 9<sup>th</sup> April, 2020**

#### **Long Question and Answer**

**1. Write a note on Coal Mining.**

Ans: Coal is a non-metallic mineral, it is also a fossil fuel, a fossil fuel is a type of fuel that have been formed from plants and animals that died millions of years ago. A fuel is something that gives off heat when burnt. Other types of fossil fuels are oil and natural gas. Coal is found in Sindh, Punjab and Baluchistan; it is mined in two ways. 1. Open pit Mines 2. Underground Mines. The coal is used to produce electricity

**2. What are the mining problems?**

Ans: Mining is a dangerous job. Underground mining is more dangerous than open pit mining. Here are some of the dangers

- The tunnels can collapse
- Water can get into the tunnel and flood them.
- Underground gases can cause explosions.
- The workers can get lung diseases due to the dust.

### 3. How mining can be harmful for the environment?

Ans: Mining can be harmful for the environment in following ways

- Animal and plant habitat are destroyed when the area is cleared for mining.
- There is a lot of waste to get rid of.
- Streams and rivers can be polluted by the waste.
- The air is polluted when the minerals are sent to factories to be processed.
- Huge holes are left after the mine is closed.

### 4. Give a comparison of coal mining in China and Pakistan.

Ans:

- China produces 450 times more coal than Pakistan and it uses 285 times more coal than Pakistan
- Almost 70% of China's electricity is produced by coal while in Pakistan most of the electricity is produced by oil and gas.
- Pakistan has one of the world's largest coal deposits in Thar Desert but it has not yet been developed.
- Both countries have a pollution problem caused by coal mining.
- Both countries have mining accidents every year where people are badly hurt or die.

### 5. Learn the uses of these minerals:

antimony



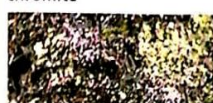
Antimony can be used to stop fabrics from burning. It is poisonous—so it must be handled with care.

baryte



Baryte can be used to make paint and glass.

chromite



Chromite is used to make tools and stainless steel.

iron ore



Iron is used to make steel. Steel is used to make bridges, cars, ships, buildings, machinery, and tools.

limestone



Limestone is used to make cement. It is also used to make glass, soap, paper, and paint.

magnesite



Magnesite is used to make cement, paper, chemicals, and medicines.

copper



Copper is used in electrical wire, machines, jewellery, and cooking pans. It is also used to make brass and bronze.

fluorite



Fluorite is used in making steel and glass.

gypsum



Gypsum is used in making cement, paper, paint, and rubber.

marble



Marble can be found in many different colours such as white, grey, black, green, and brown. It is used in buildings and can be carved as ornaments.

sulphur



Sulphur is used to make explosives, paint, and dyes.





### Fill in the Blanks

1. Coal is found underground.
2. One type of coal mining is called open Pit.
3. Coal is a type of fossil fuels.
4. Coal mining can be dangerous.
5. Underground mining is done in tunnels.

### Activity 2.2

Write some lines on coal mining in Pakistan

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Week 5	11 <sup>th</sup> April, 2020 to 16 <sup>th</sup> April, 2020
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### Unit 3: Settlement

Do reading of page # 31 & 34

#### **Q # 1: Short Questions**

**1. What is a settlement?**

Ans: A settlement is a place where people live. A settlement can be as small as one house in the middle of his own farm or as large as a big city with millions of people living there.

**2. How many types of settlement we have in Pakistan?**

Ans: We have four settlements in Pakistan, City, Town, village and farm.



### Q # 2: True and False

1. A town is a larger settlement than a village. (T)
2. In Pakistan cities are settlement with over 100,000 people. (T)
3. All settlements must be near supply of fresh water. (F)
4. Settlements do not develop in mining areas because it is too dirty for people to live. (T)
5. In the past people often build fort settlements on high land to protect themselves from enemies. (T)

### Activity 3.1

1. Write about where you live, Is it a farm, Village, Town or City?

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2. Why people move from village to cities? Give reasons.

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Week 6

18<sup>th</sup> April, 2020 to 23<sup>rd</sup> April, 2020

### Q # 3: Long Question and Answer

1. Why people choose a place for the settlement?

Ans: People choose to settle in a place for following different reasons

1. Fresh Water
2. Good soil
3. Protection from enemies
4. Forest
5. Trade
6. Mining
7. Landscape and climate
8. Tourism and leisure

2. Write about the mountain land.



Ans: Mountain regions are areas of high land. Pakistan has some of the highest mountain ranges in the world including the Himalayas and Hindukash ranges. The mountains are much colder than other areas and people tend to live in the valleys in between where the soil is better for growing crops.

**3. Read the information about Abdul Rehman Goth and Tanji. Make a chart to compare two villages.**

Ans:

Abdul Rehman Goth	Tanji
Small fishing village	Small fishing village
There is a fuel station, an ice house, a school and a mosque.	There is a mosque, primary school, mixed fuel stations, fishery center, shops, museums and market.
Not far from the Karachi shore.	Is very close to the sea
Every morning fisherman haul their boats into the sea and go for fishing	Every morning fisherman haul their boats into the sea and go for fishing
Fishermen use gill nets	They use gill nets and drift nets
Boats have motors	Boats have motors
They catch red snappers, mackerels, barra mundi, pomfret, sua fish and mullet	They catch bonga, barracuda, cat fish, jack, sol and lopster
In the evening they keep some of the fish to eat themselves and sell the rest	In the evening they keep some of the fish to eat themselves and sell the rest

**Fill in the blanks**

1. Abdul Rehman Goth is a fishing village near Karachi.
2. Gambia is the smallest country in Africa.
3. The main fish caught by the fishermen in Tanjis Bonga.
4. In Tanji the fishermen use hooks and lines to catch soul and lopster.
5. Gill nets are fishing nets that dragged along the seabed to catch fish.

**Activity 3.2**

**Make a chart of advantages and disadvantages of living in a city**

Advantages	Disadvantages





Week 7

25<sup>th</sup> April, 2020 to 30<sup>th</sup> April, 2020

### Unit 4: Climate Change

Do reading of page # 39, 45 & 46

#### **Q # 1: Short Questions**

**1. What is climate?**

Ans: Climate is the usual weather in a place during the year.

**2. What is weather?**

Ans: Weather is the day to day change in the temperature, rainfall, cloud and wind in an area.

**3. What are humans doing to make the greenhouse effect stronger?**

Ans: Scientist thinks that humans are causing too much CO<sub>2</sub> to be released into the air; CO<sub>2</sub> is released when we burn fossil fuels, such as coal, oil, and gas. Cars, busses, trucks and planes run on oil and their fumes give off CO<sub>2</sub>. Smoke from factories gives off CO<sub>2</sub> cutting down and burning trees releases CO<sub>2</sub> into the air.

**4. What can Pakistan do to help stop climate change.**

Ans: Pakistan can help in the following ways

- Use your car less
- Do the three Rs – Reduce, Recycle and Reuse.
- Plant some trees
- Turn down your air-conditioning
- Use energy efficient light bulb.
- Turn off TV
- Buy food grown by local farmers

**5. What resources Pakistan using to produce electricity?**

Ans: Pakistan is using following resources

- Natural Gas 52%
- Oil 30%
- Hydro (water) 11%
- Coal 6%
- Nuclear 1%

**6. Which renewable resources Pakistan can use?**

Ans: Wind, Sun water and Bio gas.



### Q # 2: True and false

1. Carbon dioxide is a greenhouse gas. (T)
2. Carbon dioxide helps to keep our planet cool. (F)
3. Burning fossil fuels and trees released lots of carbon dioxide. (T)
4. If the earth gets warmer there will be less flooding. (F)
5. Karachi is a city in danger of flooding due to climate change. (F)

### Q # 3: Long Question and Answer

#### 1. What is climate change?

Ans: climate change simple means a change in the world's normal pattern. The climate could get colder, wetter or warmer. E.g. this happens naturally over a very long period of time. However scientists think the human are causing climate change to happen much more quickly than normal. Scientists tell us that the earth is now getting warmer; this increase in the world's temperature is also called global warming.

#### 2. What are a greenhouse and its effect?

Ans: A greenhouse is made glass walls and glass roof. It is used to grow plants such as flowers and vegetables.

The earth's atmosphere or blanket does the same thing as a greenhouse. Gases in the atmosphere such as CO<sub>2</sub> do what the roof of greenhouse does during the day the sunshine through the atmosphere and the earth's surface warms up in the sunlight, at night the earth's surface cools releasing the heat back into the air, but some of the heat is trapped by the greenhouse gases in the atmosphere, this is called the greenhouse effect.

#### 3. What might happen if the earth gets warmer?

Ans: If human keep on producing too much carbon dioxide, the earth's temperature will keep rising this

Means the climate all over the world will change. Scientist think that if the earth warms up too many the polar ice caps will melt this will cause sea level to rise. If sea level rises the places that are on low ground such as Karachi will be under water. Everyone would have to leave their homes. Business and farms would be flooded too. Another thing that might happen is that some places will become desert this means that there will be fewer places for people to live and grow crops.

### Activity 4.1

#### Match the columns

- |                   |   |
|-------------------|---|
| 1. Weather        | A. The blanket of gases that surround the earth               |
| 2. Climate        | B. A change in the world's climate                            |
| 3. Global warming | C. Day to day change in temperature, rainfall, cloud and wind |
| 4. Climate change | D. An increase in the earth's temperature                     |
| 5. Atmosphere     | E. The usual weather in the place during the year             |

Q: What happens when flood comes?

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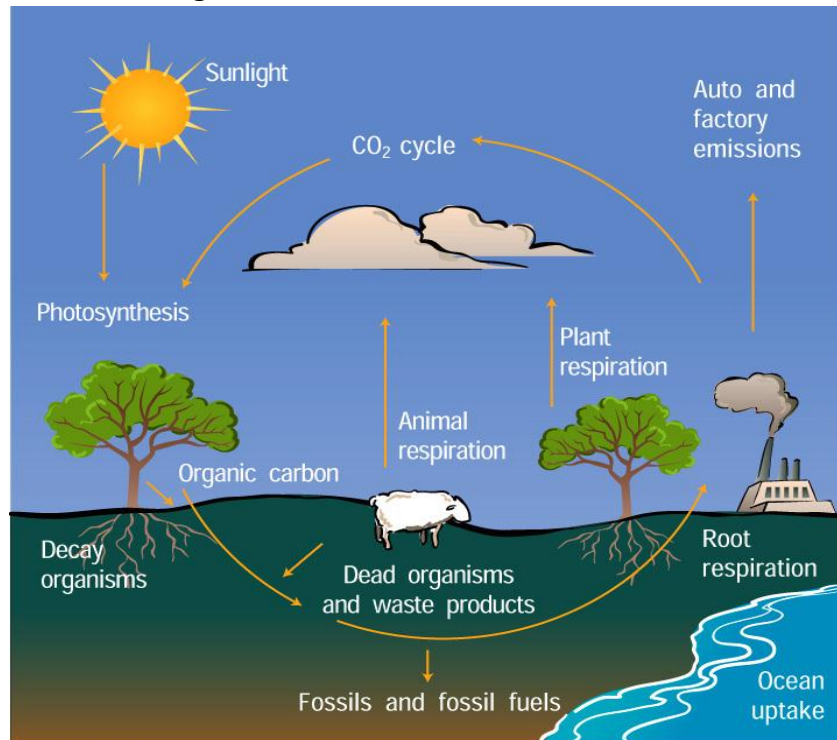
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Q # 4: Make list of five deserts, their countries and capital city of that country

Desert	Country	Capital City

### Activity 4.2

Re-draw the climate change effect:



**Assignment:** Make a model of Greenhouse effect.



# Computer





## Unit # 1: Know your Computer

### Definitions:

A **LAN** (local area network) is a group of computers and network devices connected together, usually within the same building. By definition, the connections must be high speed and relatively inexpensive (e.g., token ring or Ethernet). Most Indiana University Bloomington departments are on LANs.

A LAN connection is a high-speed connection to a LAN. On the IUB campus, most connections are either Ethernet (10 Mbps) or Fast Ethernet (100 Mbps), and a few locations have Gigabit Ethernet (1000 Mbps) connections.

A **MAN** (metropolitan area network) is a larger network that usually spans several buildings in the same city or town. The IUB network is an example of a MAN.

A **WAN** (wide area network), in comparison to a MAN, is not restricted to a geographical location, although it might be confined within the bounds of a state or country. A WAN connects several LANs, and may be limited to an enterprise (a corporation or an organization) or accessible to the public. The technology is high speed and relatively expensive. The Internet is an example of a worldwide public WAN.

**PAN** stands for "Personal Area Network." A PAN is network of connected devices used by one person. It allows devices such as computers, tablets, smartphones, and smart watches to communicate with each other.

**IPO** stands for Input Process Output. When you work on your PC you give input to the PC with the help of keyboard or any input device. The CPU then processes it and give you your desired output.

### **Q.1 Complete the following sentences.**

1. \_\_\_\_\_ Cycle is followed when the information flows.
2. \_\_\_\_\_ is the solution to limited resources and cost reduction.
3. LAN, MAN and \_\_\_\_\_ are types of network.
4. The \_\_\_\_\_ is a network of networks.
5. The Bluetooth device is used for \_\_\_\_\_.

### **Key:**

1. IPO	2. Networking	3. WAN	4. Internet	5. PAN
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## Q.2 Match the following

- |                |                               |
|----------------|-------------------------------|
| 1. Workstation | A. Main computer in a network |
| 2. IPO cycle   | B. Modulation demoduler       |
| 3. Modem       | C. A computer in a network    |
| 4. Server      | D. Information flow           |

Week 2

20<sup>th</sup> April- 26<sup>th</sup> April

## Question/Answers

### Q.1 Define the IPO cycle.

**Ans.** The three terms, input, process and output are interrelated. The information flows from the input device to the processing device and then to the output device. Sometimes the result generated acts as an input for next stage of data flow. Thus, this whole flow of information follows a cycle which is known as Input-Process-Output cycle.

### Q.2 why do you need to connect computers in a network?

**Ans.** Computer networks help users on the network to share the resources and in communication.

File sharing: Networking of computers helps the network users to share data files.

Limited resources: Instead of connecting a printer to all computers separately, you can connect it to the main network. In this way everyone can share printer.

Cost reduction: It reduces cost as an input device like scanner and an output device like printer can be shared easily.

### Q.3 In a school network, can you can give a print command from ten different computers to one printer?

**Ans.** Yes, because all computers are connected to main network and can share the printer.

### Q.4 What is a modem?

**Ans.** Modem is short for "Modulator-Demodulator." It is a hardware component that allows a computer or another device, such as a router or switch, to connect to the Internet. It converts or "modulates" an analog signal from a telephone or cable wire to digital data (1s and 0s) that a computer can recognize.



**Q.5 Name four types of networks.**

**Ans.** Four types of networks are

1. PAN personal area network
2. LAN Local Area Network
3. MAN Metropolitan Area Network
4. WAN Wide Area Network

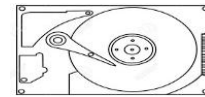
### **Activity 1.1**

**Match the following**

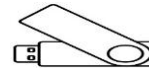
**1. Pen drive**



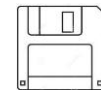
**2. Floppy disk**



**3. DVD drive**



**4. CD**



**5. Hard disk**



**Week 3**

**27<sup>th</sup> April- 3<sup>rd</sup> May**

### **Unit # 2: MS Office at a Glance**

“Microsoft office is a collection of software of Windows based application. In an MS office you can prepare documents, projects, analyze data and make calculations.”

Its few components are:

**MS Excel:** Microsoft Excel is a spreadsheet program. That means it's used to create grids of text, numbers and formulas specifying calculations. That's extremely valuable for many businesses, which use it to record expenditures and income, plan budgets, chart data.

**MS Word:** It is used to create, edit and manage files.



**MS PowerPoint:** It is a presentation application. It is used for Preparation of slides, with different text, graphics and animation effects.

**Q.1 Fill in the blanks.**

1. \_\_\_\_\_ Component of MS Office is used to receive and send emails.
2. \_\_\_\_\_ Component of MS Office is a Publishing tool.
3. \_\_\_\_\_ is a shortcut key to cut a given data.
4. A file in MS Excel is called a \_\_\_\_\_.
5. \_\_\_\_\_ is a shortcut key to paste the data.

**Key:**

1. MS Outlook	2. MS Publisher	3. Ctrl + X	4. workbook	5. Ctrl +V
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**Q.2. Match the following**

- |              |                                     |
|--------------|-------------------------------------|
| 1. Worksheet | A. A file in a MS Word              |
| 2. Chart     | B. Database management              |
| 3. Document  | C. A collection of rows and columns |
| 4. Workbook  | D. A file in MS Excel               |
| 5. Ms Access | E. Pictorial representation of data |

Week 4	4 <sup>th</sup> May- 10 <sup>th</sup> May
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**Question/Answers**

**Q.1 Name the different components of MS Office.**

**Ans.** Components of MS Office are

1. MS Outlook
2. MS Word
3. MS Excel
4. MS PowerPoint
5. MS Access
6. MS Publisher

**Q.2 What is a use of MS Word?**

**Ans.** It is a word processing tool to create professional looking document.

**Q.3 Explain any three important features of MS Excel.**

**Ans.** Its main features are:





1. **Calculations:** You can do any kind of calculation using formulas and functions.
2. **Database Management:** This feature is extremely important when one has to deal with large amount of data.
3. **Charts:** Pictorial representation of data can be made.

**Q.4 How do you add transitions to a file?**

**Ans.** To add transitions to a slide

1. Select the slide where you wish to add transition
2. Click on animation tab
3. Select the desired transition effect from Transition to This slide group
4. Save the changes made to the presentation.

**Q.5 List the components that are common in the windows of all applications of MS Office?**

**Ans.** Common components of MS Office are:

1. Title bar
2. Ribbon
3. Office button
4. Quick access
5. Tollbar
6. Status bar
7. Horizontal scroll bar
8. Vertical scroll bar
9. Minimize button
10. Maximize button
11. Close button

**Activity 2.1**

**In MS Word write a paragraph on “My favorite Place” and write down steps here.**

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Week 5

11<sup>th</sup> May- 17<sup>th</sup> May

### **Unit# 3: Creating Tables in MS Word 2007**

#### **How to make a table from the Insert Table dialogue box:**

1. Click on Table from the menu bar. Select Insert, and then Table...
2. Enter the desired number of rows and columns.
3. Choose AutoFit behavior if you want the table's cells to automatically expand to fit the text inside them. ...
4. Click OK to insert your table.

#### **How to make a table from the Tables and Borders toolbar:**

1. Place the cursor where you want to place the table.
2. Click the Insert Table icon on the Tables and Borders toolbar at the top of the window.
3. Drag the corner of the table until you have the desired number of columns and rows.
4. Click the mouse to insert the table.

#### **How to draw a table:**

1. Select Table from the menu bar.
2. Select Draw Table.
3. Drag the pencil diagonally across the page to make a rectangle where you want to place your table.
4. Draw lines vertically and horizontally to create the columns and rows you need.

#### **Q.1 Fill in the blanks.**

1. A \_\_\_\_\_ is used to create data in the form of rows and columns.
2. \_\_\_\_\_ in the insert tab helps to create tables.
3. When you click on \_\_\_\_\_ table option the mouse pointer changes to a pencil.
4. The intersection of row and a column is called \_\_\_\_\_
5. A column can be deleted by using \_\_\_\_\_ option.

#### **Key:**

1. table	2. Insert table grid	3. Draw table	4. cell	5. Delete columns
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**Following shortcuts can be used in MS Office.**

- To add a new row
- To shift to next cell
- To go to beginning of column
- To go to the beginning of row
- Press enter key
- Tab key
- Alt+ pageup
- Alt+home

**Week 6**

**18<sup>th</sup> May- 24<sup>th</sup>May**

### **Question/Answers**

**Q.1 Give steps for inserting a table in a document using insert table option.**

1. Place the cursor where you want to place the table.
2. Click the Insert Table icon on the Tables and Borders toolbar at the top of the window.
3. Drag the corner of the table until you have the desired number of columns and rows.
4. Click the mouse to insert the table.

**Q.2 Can you add a new row in the middle of existing table? If yes, give steps.**

**Ans.** Yes, new row can be added in the middle of an existing table.

1. Place cursor anywhere in a row
2. Click on layout tab
3. Choose insert above option in Rows And Columns group
4. A new row is added

**Q.3 How can Tables Style feature be applied to an existing table?**

**Ans.**

1. Click anywhere on the table
2. Go to Table Style group in Design Tab
3. Scroll down to choose desired style

**Q.4 What is a cell?**

**Ans.** A rectangular box formed by intersection of rows and columns is called a cell.



Watch this link for better understanding of MS Word

<https://www.youtube.com/watch?v=S-nHYzK-BVg>

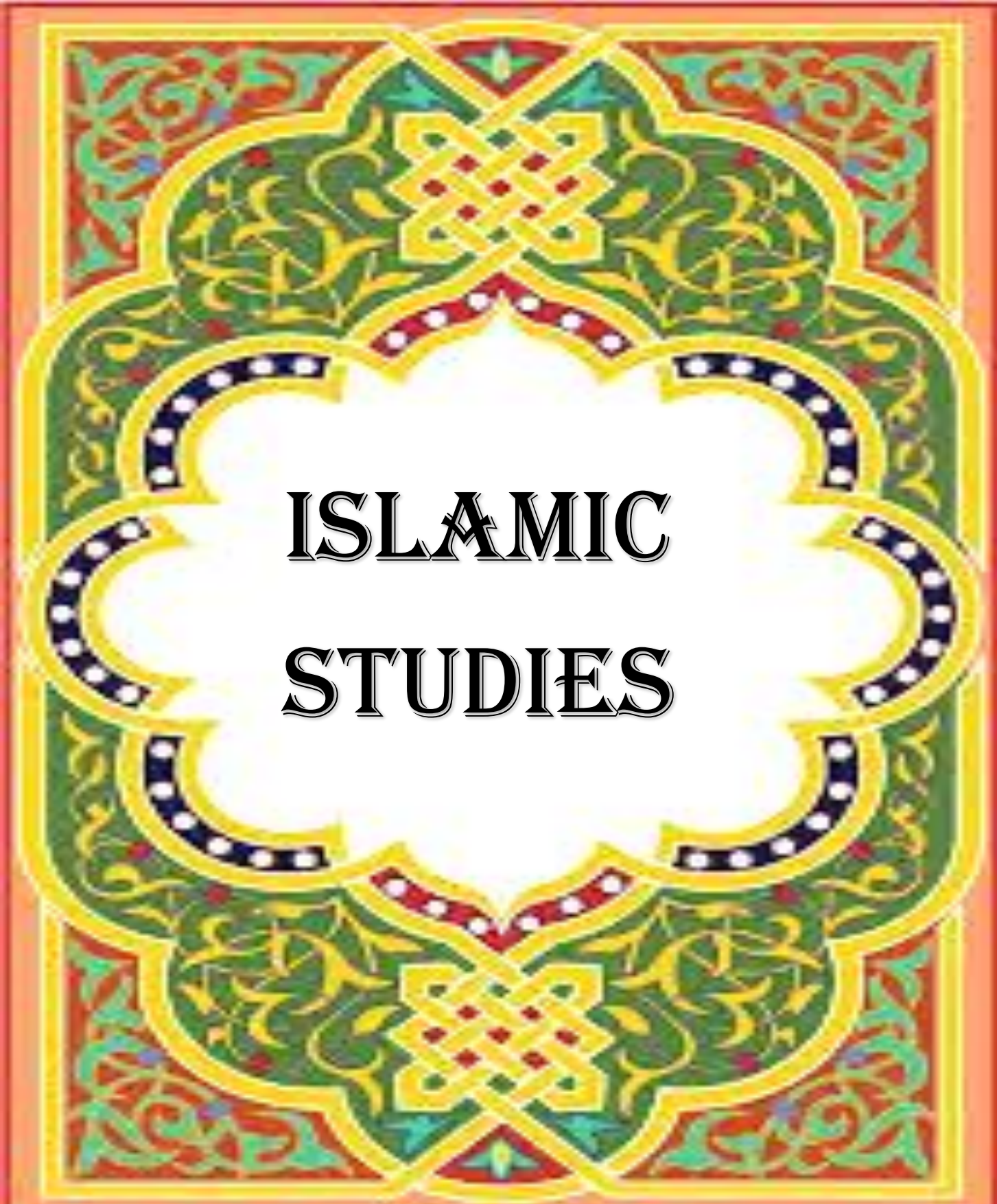
Watch this link for better understanding of adding rows and columns

[https://www.youtube.com/watch?v=X\\_Zm3MBnmA8](https://www.youtube.com/watch?v=X_Zm3MBnmA8)

### **Activity 3.1:**

Make your report card on a word document; insert text and tables in it. You can add columns of subjects, percentage, grades, total marks and obtained marks.

**Revise all the objective and subjective part.**



**ISLAMIC  
STUDIES**



Week 1

13<sup>th</sup>April – 19<sup>th</sup>April

## Chapter: 1 Tenets of Islam

### Lesson No. 1: Sign of Allah

**Q1: Read the lesson and write the meaning of following word by using the dictionary.**

Word	Meaning	Word	Meaning
Worship Idols		Deliberate	
Revelation		Oppressive emperor	
Wondered		Astonishing	

**Q2: Fill in the blanks:**

**At page # 04 read the lesson and fill the blanks:**

- 1) Allah has given us brain so that we can \_\_\_\_\_ around us.
- 2) Those who get to the truth discover that this universe has a \_\_\_\_\_.
- 3) Hazrat Ibrahim's (A.S) nation worshipped \_\_\_\_\_ and considered the sun and moon their \_\_\_\_\_.
- 4) We cannot \_\_\_\_\_ creation of Allah.
- 5) Each cell of the hive is \_\_\_\_\_.
- 6) The honeybee starts working when it is \_\_\_\_\_ old.
- 7) No honeybee can dare carry \_\_\_\_\_ to the hive.
- 8) Allah has guided all his creatures to do \_\_\_\_\_ set for them.

**Q3: Answer the following questions:**

**Q1: Which things did Hazrat Ibrahim (A.S) reflect on?**

**Ans.** Hazrat Ibrahim (A.S) reflected on the purpose of the creation of this universe and get to the truth.

**Q2: What conclusion did Hazrat Ibrahim (A.S) arrive at?**

**Ans.** One might, he thought hard about the fact and realized that everything in this universe obey the orders of the special being.

**Q3: What did Namrood and Hazrat Ibrahim (A.S) talk about?**

**Ans.** Namrood declared himself a God. He asked Hazrat Ibrahim (A.S), "Tell me who your lord is?"

"Hazrat Ibrahim (A.S) replied that "my lord give life and death to every living thing", Namrood replied, "I also give life and death. He then order his men to release a prisoner on death row and execute a passer by crossing not to engage in argument with Namrood, Hazrat Ibrahim (A.S) replied," Verily, Allah makes the sun rise from east, you try and make it rise from the west. Namrood stunned by this reply of Hazrat Ibrahim (A.S).





**Q4: Write the translation of any verse of the Holy Quran calling on us to reflect on the universe?**

**Ans.** Allah says in the Holy Quran that “Surely in the creation of the heavens and the earth; in the alternation of the night and the day. There are signs for signs for people of understanding.

**Q5: How does the honeybee at the work show sign of Allah?**

**Ans.** Through honey bee appears to be a small creature, the way it works is astonishing. The beehive is a unique example of engineering. Each cell of the hive is six sided and identical in shape. The honeybee start working when it is only twelve days old. First it sucks juice from flowers and then it brings it to the hive. It is very tiring job, but the honeybee never gets tired. No honeybee can dare carry dirt with it to the hive. All bees work in a disciplined manner. Who taught the honey bee to be disciplined? The Holy Quran answer this in this way “and your Lord inspired the bee, saying: setup hive in the mountains and in the trees and in what people erect. Then, suck the juice of every kind of all fruit, and follow the way of your Lord made easy (for you). There comes forth from their bellies, a drink of varying colors wherein is healing for men. Verily, in this indeed a sign for people who think.”

### **Activity 1.1**

- 1) Everything in this universe carries some signs of Allah. Make a list of 20 such things.
- 2) Which sign of Allah can be seen in the following?
  - Plants
  - Blowing of the wind
  - Alternation of day and night
  - Rainfall

### **Answer Key:**

1: reflect	2: creator Who is Allah	3: idol, God	4: deny
5: six sided	6: twelve days	7: dirt	8: the jobs

<b>Week 2</b>	<b>20<sup>th</sup>April –26<sup>th</sup>April</b>
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### **Lesson No. 2: Shirk (Polytheism)**

**Q1: Read the lesson and write the meaning of following word by using the dictionary.**

<b>Word</b>	<b>Meaning</b>	<b>Word</b>	<b>Meaning</b>
Shirk		Gains	
Divinity		Worships	



**Q2: Fill in the blanks:**

**At page # 07 read the lesson and fill the blanks:**

- 1) Associating others with Allah is called \_\_\_\_\_.
- 2) The one who makes partners with Allah is called a \_\_\_\_\_.
- 3) A Mushrik is one who considers somebody else his \_\_\_\_\_ other than Allah.
- 4) Those who believe in prophet Muhammad (S.A.W) are known as \_\_\_\_\_ and those who do not believe in him are called \_\_\_\_\_.

**Q3: Answer the following questions:**

**Q1: What does shirk mean?**

**Ans.** Associating others with Allah is called Shirk.

**Q2: What has the Holy Quran said about shirk?**

**Ans.** Verily associating others with Allah in divinity is a mighty sin.

**Q3: What did Prophet Muhammad (S.A.W) advise Hazrat Maaz bin Jabl(R.A)?**

**Ans.** The Prophet Muhammad (S.A.W) while giving the instructions to Hazrat Maaz Bin Jabl (R.A), said, "Maaz, never make partners with Allah even someone kills you or burn you alive."

**Q4: Who did Christians and Jews make partners with Allah?**

**Ans.** The people of Makkah would themselves make idols of wood and stone and then worship them. When they fell ill, they asked them health. They would pray to them to gains in business. The asked them for children and they prayed hem to have a rain.

**Activity 2.1:**

**1: Answer the following questions in Yes or No.**

- 1) The people of Makkah used to worship idols made of wood and stone. \_\_\_\_\_
- 2) Mushriks did not beg the idols for having children. \_\_\_\_\_
- 3) A Muslim is one who believes in the words of Prophet Muhammad (S.A.W) \_\_\_\_\_
- 4) Can anybody delay the moment appointed for his death? \_\_\_\_\_
- 5) Can we die without Allah's Will? \_\_\_\_\_
- 6) Can the sun rise on its own? \_\_\_\_\_
- 7) Allah wants to favour somebody, can anyone stop this from happening? \_\_\_\_\_

**2: Write a short story showing faith in Allah.**

**3: State some acts of the Mushriks showing shirk?**

**Answer Key:**

1: Shirk	2: Mushrik	3: God	4: Muslims, Kafirs
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Week 3

27<sup>th</sup> April – 3<sup>rd</sup> May

### Lesson No. 3: Asma-e-Husna

**Q1: Learn Asma-e-Husna and their meaning also.**

[https://simple.wikipedia.org/wiki/Names\\_of\\_God\\_in\\_Islam](https://simple.wikipedia.org/wiki/Names_of_God_in_Islam)

<https://www.youtube.com/watch?v=pTk9jVDWNV0>

**Q2: Some names of Allah are given below. They are incomplete. Complete them with the help of the letters given below.**

R N K M W H Z L M

Al_afeh	Al_habeer	Al_abeer	Al_ajid
Al_aleem	Al_akeem	Al_Aeem	Al_ajeed

### Activity 3.1

**Q1: You have memorized many names of Allah.**

**Ans.** Some of them have similar meanings such as The Most Gracious and

The Most Merciful الرحيم

The Most Gracious الرحمن

Some of them have dissimilar meanings such as The Giver of Death and The Giver of Life

The Giver of Death المميت

The Giver of Life المحيي

**Prepare a list of such names with similar and dissimilar meanings.**

Week 4

4<sup>th</sup> May – 10<sup>th</sup> May

### Lesson No. 4: Prophethood

**Q1: Read the lesson and write the meaning of following word by using the dictionary.**

Word	Meaning	Word	Meaning
Bestowed		Spiritual	
apostle		Divine Guidance	
determination		opposition	

**Q2: Put a tick against the correct statements and a cross against the incorrect ones.**

- 1) Prophethood is a huge favour of Allah. \_\_\_\_\_
- 2) Allah has made the best arrangements for our material needs. \_\_\_\_\_
- 3) Humans need only air, water and food to live. \_\_\_\_\_
- 4) Allah deputed the first man on the earth as His prophet. \_\_\_\_\_
- 5) All prophets were human beings. \_\_\_\_\_



- 6) One does not get prophethood on one's request or by one's effort. Whatever the prophets told us was the word of Allah. \_\_\_\_\_
- 7) The last of all the prophets is Hazrat Muhammad (S.A.W). \_\_\_\_\_
- 8) One who obeys the Prophet (S.A.W), obeys Allah. \_\_\_\_\_
- 9) Allah revealed his books to some prophets. \_\_\_\_\_

**Q3: Answer the following questions:**

**Q1: What is meant by prophet hood?**

**Ans.** Prophet Hood means conveying the message of Allah to human beings. The one who bring this message is called the messenger, apostle of prophet.

**Q2: Why where the prophet sent for us?**

**Ans.** Allah sent prophets and messengers so that the people follow their teachings and recognize their lord through them. Every prophet was sent with the same mission. Allah says, "We never sent a messenger but that he should be obeyed by the leave of Allah."

**Q3. How did Allah meet the needs of man?**

**Ans.** Allah has conferred many favors on man. One of those favors is prophet hood that Allah bestowed on a select few. Just as Allah made arrangements to meet the material needs of man, in the same way Allah made sure the spiritually needs of man are also taken care of.

**Q4: Why did people forget the teachings of prophets?**

**Ans.** Adam delivered the messages of Allah to his children. His children passed on this message to their children. As his population grew with the passage of time, the message was forgotten and people get involved in evil deeds. Then Allah sent of prophets so that they could reform people and guide them onto the right.

**Q5. Describe some traits of prophet?**

- 1) The holy Quran tell us that:
- 2) All prophets were human beings and belonged to the people who they were sent to.
- 3) Allah did not award the prophet hood to anybody at his request. Similarly, nobody got prophet hood by effort. Allah presented prophet hood to whoever Ha wished.
- 4) Allah revealed his books to some of his prophets.
- 5) Whatever the prophet conveyed people were word of Allah. They did not have their own agenda or intent.

**Activity 4.1:**

**Q1: Write an essay on "Obedience to the holy Prophet (S.A.W)" making reference to the Holy Quran.**



**Week 5**

**11<sup>th</sup> May –17<sup>th</sup> May**

**1: Learn Ayatul kursi with tajweed.**

<https://www.youtube.com/watch?v=yEE5ZJXQIhU>

**2: Learn Surah Al Shams with tajweed.**

<https://www.youtube.com/watch?v=KkKZCmZ9jsU>

**Week 6**

**18<sup>th</sup> May –24<sup>th</sup> May**

**1: Learn Surah Al-Duha with tajweed.**

<https://www.youtube.com/watch?v=7B13CqDTsG8>

**Week 7**

**25<sup>th</sup> May –31<sup>th</sup> May**

**1: Revise Asma-e-Husna and their meaning also.**

[https://simple.wikipedia.org/wiki/Names\\_of\\_God\\_in\\_Islam](https://simple.wikipedia.org/wiki/Names_of_God_in_Islam)

<https://www.youtube.com/watch?v=pTk9jVDWNV0>

**2: Revise Ayatul kursi with tajweed.**

<https://www.youtube.com/watch?v=yEE5ZJXQIhU>

**3: Revise Surah Al Shams with tajweed.**

<https://www.youtube.com/watch?v=KkKZCmZ9jsU>

**4: Revise Surah Al-Duha with tajweed.**

<https://www.youtube.com/watch?v=7B13CqDTsG8>

**Note:** Revise all the objective and subject part also.





## What is Science?

**A good way to approach the learning and teaching of science in every lesson is outlined below—all you have to remember is S.C.I.E.N.C.E.**

**S** — Start by saying what the students are going to learn about.

**C** — constantly encourages student participation and involvement.

**I** — investigate the topic and follow students' interests.

**E** — Encourage all students to explore and contribute by rewarding participation and praising their involvement.

**N** — Notice the interests and questions of the students and explore them further.

**C** — Consolidate what has been learn in the lesson and link it to other topics that have been taught and the world around them.

**E** — End on a positive note and explain what has been learn and what is coming.

<b>Week 1</b>	<b>13<sup>th</sup> April- 19<sup>th</sup> April</b>
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## Unit # 1: The Human Body

<https://www.youtube.com/watch?v=98-6WfdumZY>

<https://www.youtube.com/watch?v=axpCN6Vj9p0>

**Use the above Links to develop an understanding Of “The Human Body**

### **1.1 What we Are Going To Explore In This Unit:**

- Different systems of the human body.
- Functions of nervous system
- How circulatory system works
- Identification of the features of the repertory system
- Muscles and their working
- Introduction to main muscles
- Explanation of the urinary system

### **Definitions:**

- **Nervous System:** The system of nerves in your body that sends messages for controlling, movement and feeling between the brain and other parts of body.
- **Frontal lobe:** The frontal lobe is the part of the brain that controls important cognitive skills in humans such as emotional expressions, behavior etc.
- **Parietal lobe:** The parietal lobes are positioned behind the frontal lobes. It is important to sensory information, understanding and body awareness.



- **Temporal lobe:** The temporal lobe is the region where sound is processed and auditory language and speech comprehension systems are located.
- **Occipital lobe:** The occipital lobe is important to being able to understand what your eyes are seeing.
- **Cerebellum:** The cerebellum is the area at the back and bottom of the brain. The cerebellum has several functions relating to movement and coordination.
- **Cerebrum:** Cerebrum is the largest part of brain and control senses.

### The Two parts of nervous system. How are they different?

1. Central nervous system
2. Peripheral nervous system

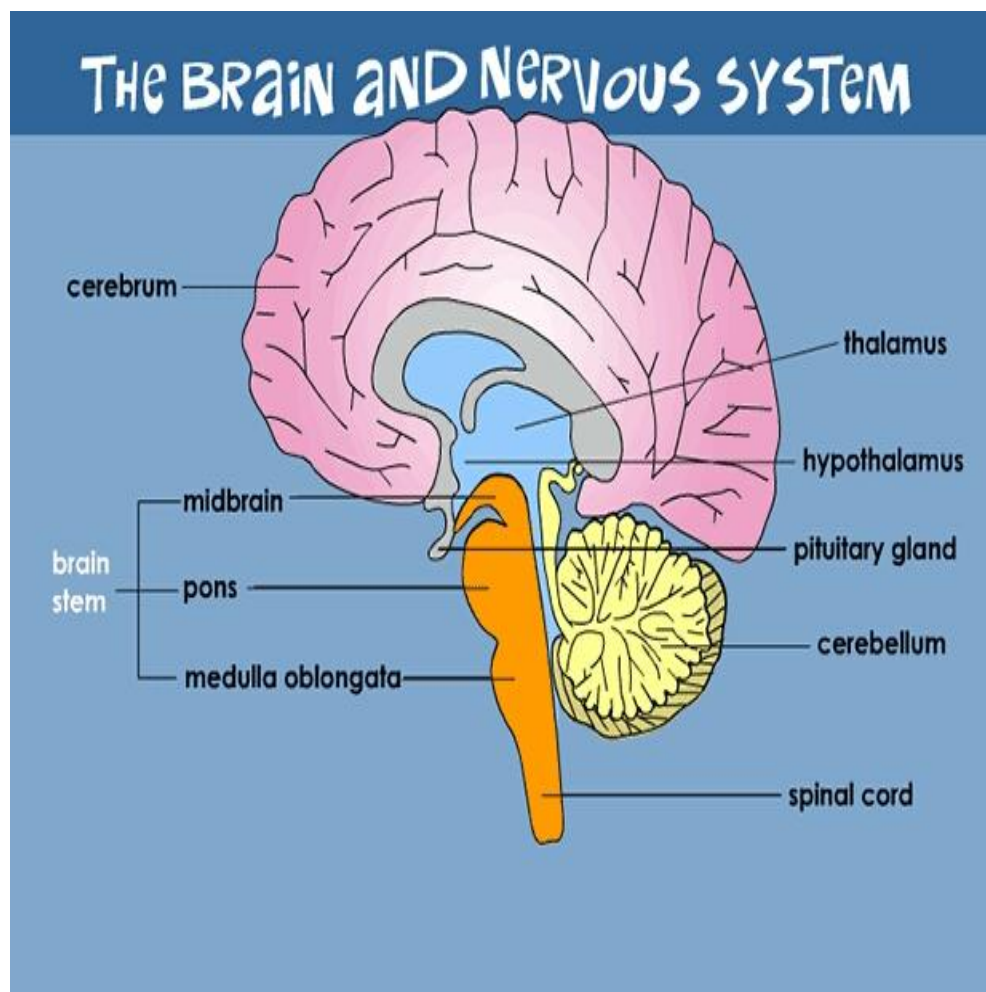
1. **Central nervous system** is the brain and the spinal cord.

2. **Peripheral nervous system** is all the nerves throughout the body.

### Activity#1.1

- Learn carefully and understand the above given definitions:
- Deeply observe your systems working:
- For example the you can observe your heart beat by touching your any vein or by putting your hand at your left side of chest:
- Analyze that how these systems are inter connected with each other

Look at the picture and describe the co-relation of brain and nervous system. .?





Q-1 How many human body systems are functioning in our body explain by your understanding after reading above information. .?

Ans:

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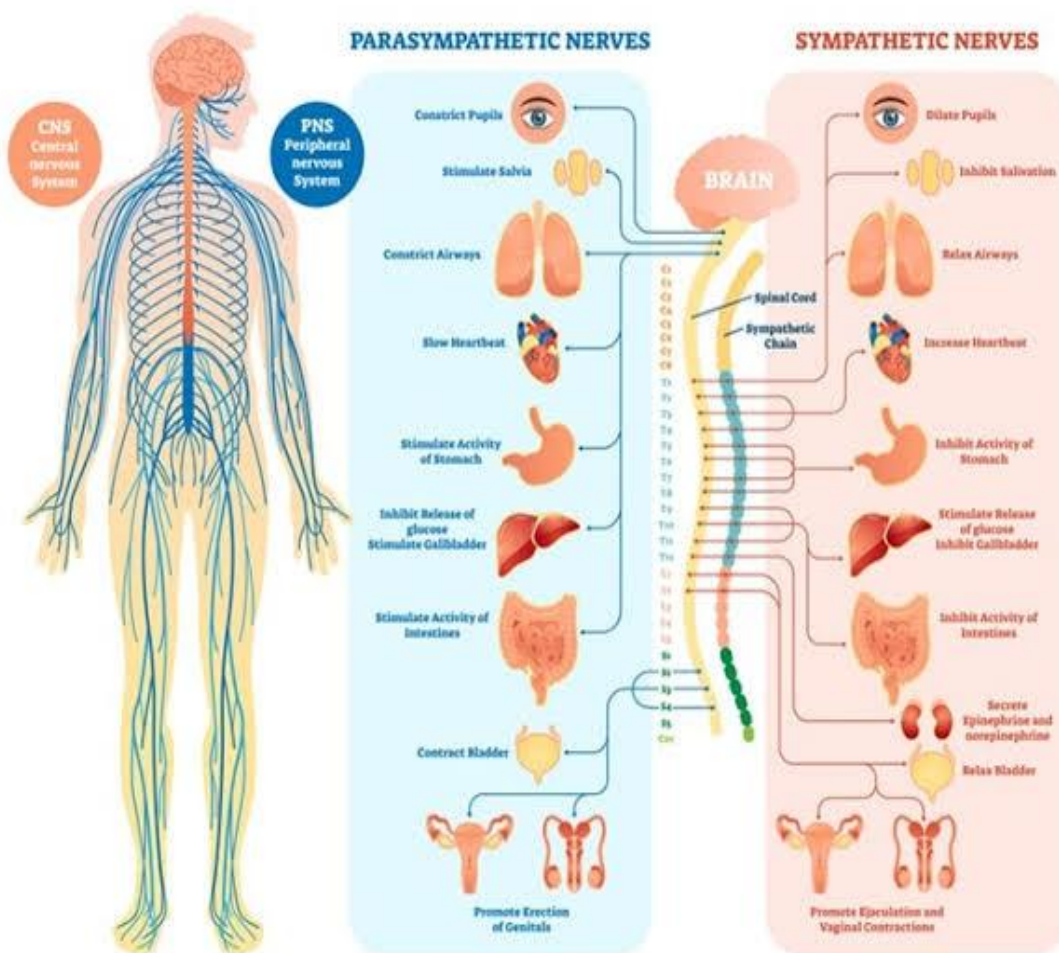


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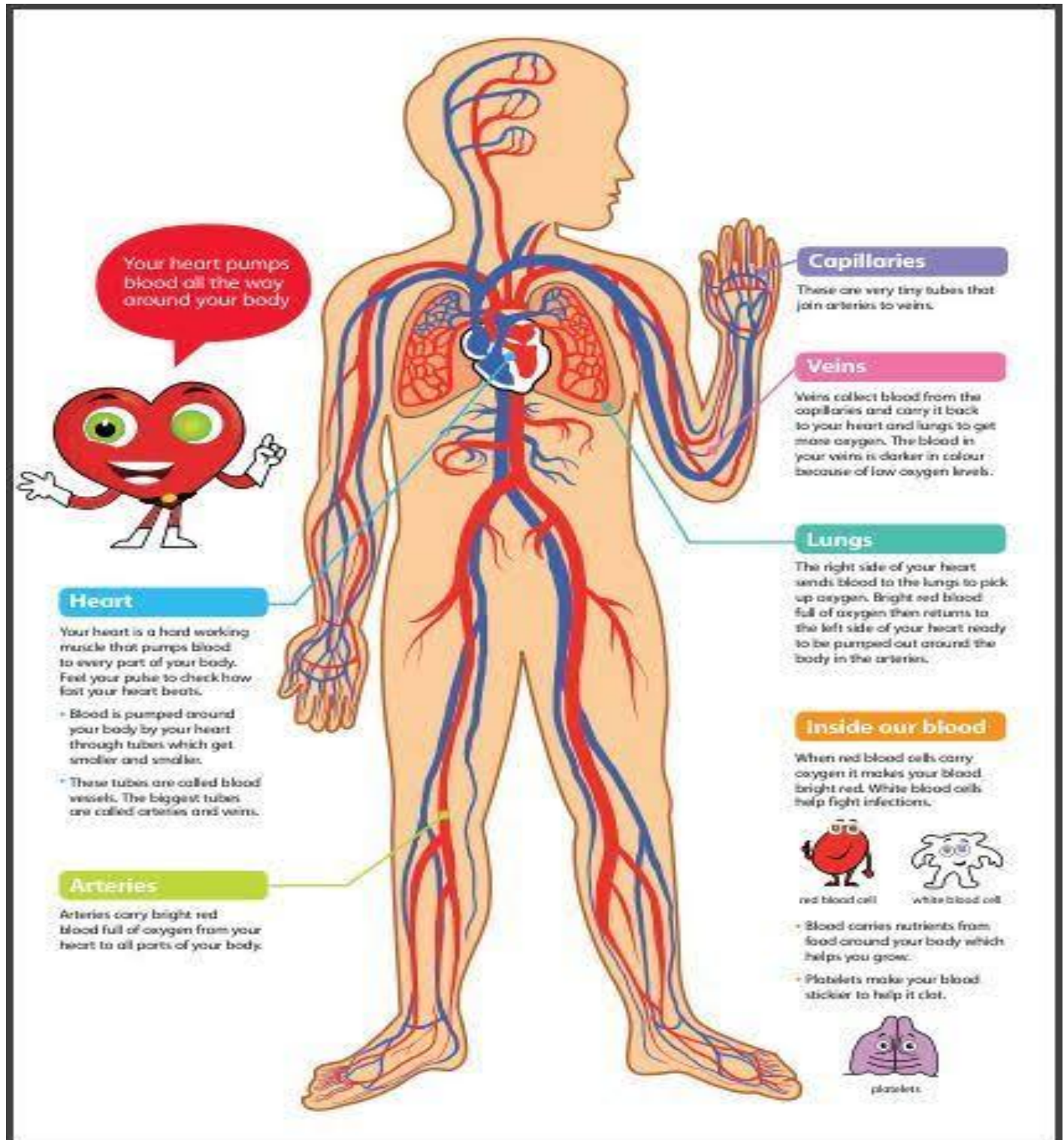
### Activity 1.2

Analyze the above diagram and make an understanding of the nervous system in human body?

## HUMAN NERVOUS SYSTEM



## The Circulatory System :







### **Activity 1.3**

Analyze the labelled diagram and answer the questions;

Q1. Define circulatory system?

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Q2. What makes up the circulatory system?

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### **The Muscular system :**

### **Activity 1.4**

<https://youtu.be/gEUu-A2wfSE>

- Use the above link to watch an interesting video on human body systems.

Write down your learning in at least 5 and maximum 10 sentences.

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### Activity 1.5

Let the diagram be labelled:

Note:

- All the systems must be clearly identified in the diagram :
- Fill up the boxes with required information :

The Human Body Systems

System Name	Nervous System	Digestive System	Respiratory System	Circulatory/ Cardiovascular System	Skeletal System	Muscular System
Picture						
What does it do?						
What organs are involved?						
Give an example of a time when you are using this system						



Week 4

4<sup>th</sup> May- 10<sup>th</sup> May

### Muscular System :

Answer /Question

**Q1. What is the function of our muscular system?**

**Ans:** Muscular system is the system that enables the body to move.

**Q2. What are voluntary and involuntary muscles? Explain with examples.**

**Ans:** In voluntary muscles you can control their movement e.g. skeleton muscles.  
And involuntary muscles you cannot control their movement e.g. smooth muscles.

**Q3. What is cardiac muscle?**

**Ans:** Your heart is muscle known as cardiac muscle.

### Activity 1.6

Learn the above questions and rewrite on rough copies:

### Topic: Skeletal system

**Q1. Define skeletal system.**

**Ans:** Skeletal system is all the bones in your body.

**Q2. How many bones are there in adult and a child's body?**

**Ans:** An adult human has 206 bones and a child has more than 300 bones.

**Q3. Write the functions of skeletal system.**

**Ans:**

1. It supports your body
2. It protects your internal organs from damage.
3. It enables your body to move.

### Topic: Digestive system

**Q1. What is the function of digestive system?**

**Ans:** The digestive system involves taking in food, extracting the goodness from that food and getting rid of waste.



**Q2. What is meant by digestive tract? How long is it?**

Ans: Digestive system is like a long tube called digestive tract. It is about 8 meters long in an adult.

**Q3. How long does your food stay in your small intestine?**

Ans: About three hours.

**Q4. What are gastric juices and what do they do?**

Ans: In our stomach food is mixed with gastric juices that are very acidic. These juices break the food down further in parts.

**Topic: Urinary system**

**Q1. What is the function of urinary system?**

Ans: The urinary system makes sure that you have right amount of water in your body and removes waste materials.

**Q2. What makes up the urinary system?**

Ans: It has four main parts

Week 5

11<sup>th</sup> May- 17<sup>th</sup> May

**Activity:1.7**

**Do revise the above topics:**

**Unit :2 The Animal world**

**Classification of the Animals :**

**Q1. Why do scientists put organism into different classes?**

Ans: Organisms are divided in to different groups according to their structural features. This means their physical make up.

**Q2. What is difference between the vertebrates and invertebrates?**

Ans: Vertebrates are the animals that have a back bone.

While invertebrates are the animals that do not have a back bone.

**Q3. Name the classes of vertebrates.**

Ans: Vertebrates are divided in to five classes mammals, reptiles, fish, birds and amphibians.

**Q4. Name the classes of invertebrates.**

Ans: Invertebrates are divided in to six classes arthropods, worms, mollusks, sponges, cnidarians, echinoderms.

### **The Animal cell:**

#### **Q1. What is an animal cell? What does it do?**

Ans: All living things are made up of cells. Cells hold all the equipment and information to keep the organism alive.

#### **Q2. Name the main parts of cell.**

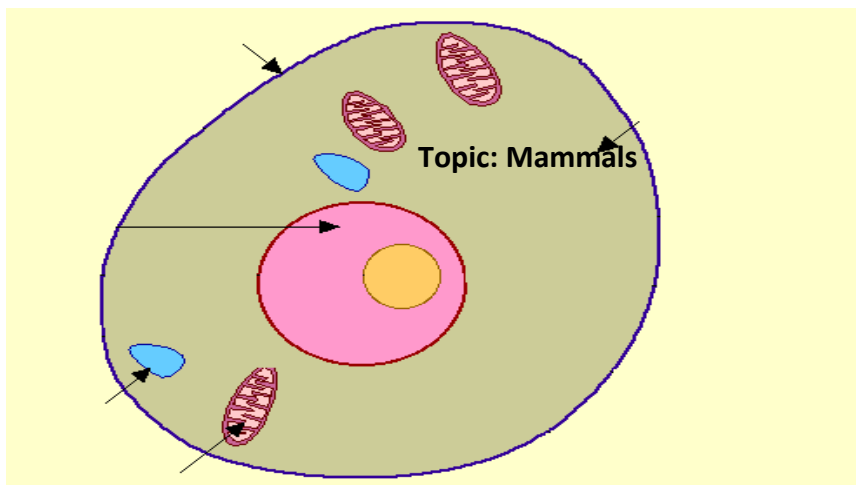
Ans: Nucleus, cell membrane, cytoplasm and vacuole.

#### **Q3. What is difference between warm blooded and cold blooded?**

Ans: Warm blooded animals keep their body temperature the same, even the temperature around them changes. The cold-blooded animals keep their body temperature as same as the temperature around them.

### **Activity 2.1:**

#### **Label the diagram of animal cell**



#### **Q1. Write the main characteristics of mammals.**

- Ans:
1. They are warm blooded.
  2. They are able to feed their young ones.
  3. They have fur or hair.

#### **Q2. Name the types of mammals.**

Ans: Placental, marsupials and monotremes.

#### **Q3. What is difference between placental and marsupials?**



Ans: **Placental mammals** give birth to young one that are well developed when they born e.g. humans, dogs and whales.

**Marsupials** give birth to young one that are partly developed. The young crawl into the mother pouch when they developed e.g. kangaroos and opossums.

Week 6

May 11<sup>th</sup> – 16<sup>th</sup> May

## Activity 2.2

Read the above information and complete the blanks.

1. Dinosaurs' were \_\_\_\_\_.
2. Dinosaurs were the dominant vertebrate for more than \_\_\_\_\_ million years.
3. \_\_\_\_\_ have from reptiles.
4. Birds are \_\_\_\_\_.
5. The hummingbird can fly \_\_\_\_\_.
6. \_\_\_\_\_ Fish can swim upright.
7. Some frogs and salamanders have tongue \_\_\_\_\_ times the length of their body.
8. The world's most deadly animal is an \_\_\_\_\_.
9. \_\_\_\_\_ are able to regrow lost tails and other body parts.
10. The deadliest fish is the \_\_\_\_\_ jellyfish.

### Topic: Reptiles, birds, and fish

Q1. Write down three main differences between mammals and reptiles.

Ans:

Mammals	Reptiles
<ol style="list-style-type: none"><li>1. They are warm blooded.</li><li>2. They have hair or fur.</li><li>3. The female is able to feed their young.</li></ol>	<ol style="list-style-type: none"><li>1. They are cold blooded.</li><li>2. They lay eggs.</li><li>3. They breathe through lungs.</li><li>4. They have external ear openings.</li><li>5. They have four legs.</li></ol>

Q2. What is the difference between?

- a) Tortoise and turtle?      (b) An alligator and a crocodile?

Ans. a) **Tortoise and turtle**

Turtle lives in water some or nearby all the time while tortoise lives on the land.

b) **An alligator and a crocodile**

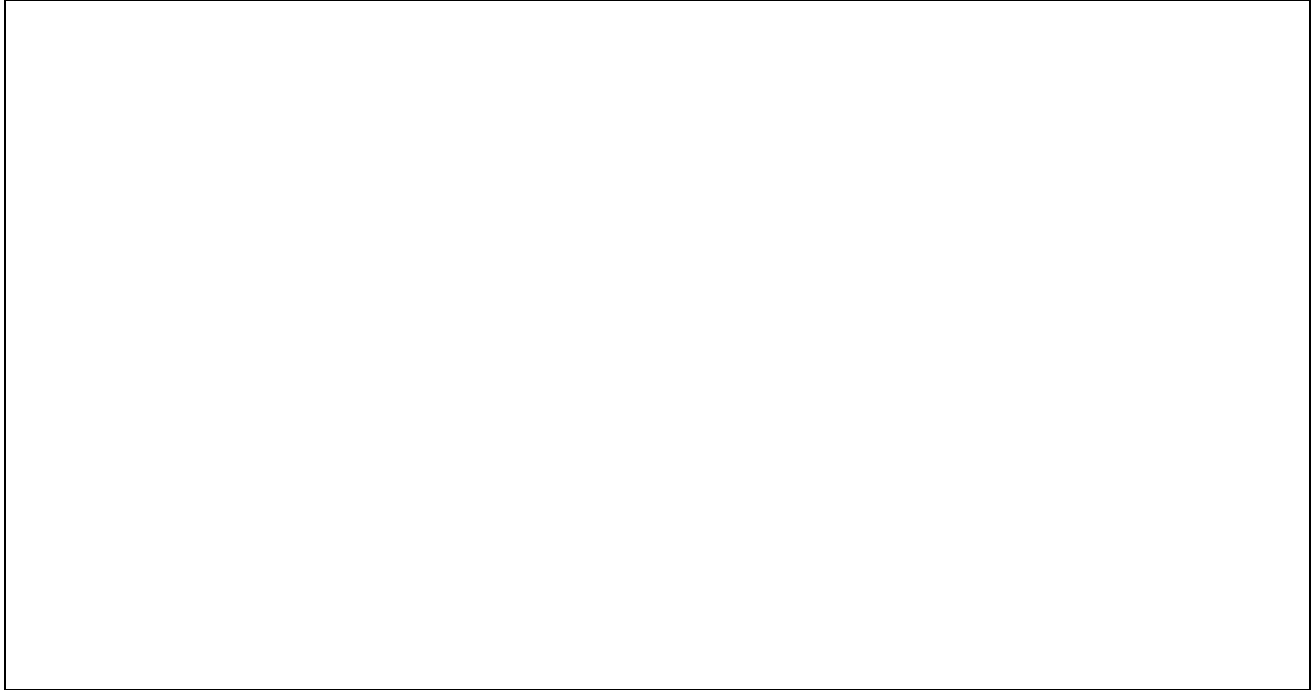
Alligator lives in fresh water, marshes and lakes while crocodile live in salt water habitat.





### **Activity 2.3**

Draw a type of molluscs, a type of sponge, and a type of worm.



Week 7

May 18<sup>th</sup> – 23<sup>th</sup> May

Revise the topics and keep yourself productive by giving proper time to your studies under managed schedule :

Good luck: 😊





تدریسی حکمت عملی 13 اپریل تا 19 اپریل

عنوان

نظم حمد

پڑھائی کریں۔

سوالات کے جوابات یاد کریں۔

س۔ پہلے دو اشعار میں اللہ تعالیٰ کی کونسی صفات بیان کی گئی ہیں؟

ج۔ اللہ تعالیٰ ہمارے دلوں کا راز جانتا ہے ہم جو کرتے ہیں اللہ ہمیں دیکھ رہا ہے۔

س۔ اللہ تعالیٰ کو کسی لمحے او نگھ نہیں آتی یہ قرآن کی کس آیت کا ترجمہ ہے؟

ج۔ آیت الکرسی کا

س۔ اللہ تعالیٰ مخلوق کو کس طرح رزق دیتا ہے؟

ج۔ انسان ہوں یا چرند پرند اللہ تعالیٰ سب میں رزق بانٹتا ہے

س۔ شاعر کہتا ہے اللہ کی تعریف کرنا مشکل ہے کیوں؟

ج۔ کیونکہ اللہ تعالیٰ اس کی سوچ سے بڑھ کے ہیں

س۔ شاعر کو کس بات پر فخر ہے؟

ج۔ اس کا مالک اور خدا اللہ کی ذات ہے

الفاظ کو جملوں میں استعمال کریں۔

چھپ	جھانکتا	اونگھ	مصیبت	رزق	مخلوق	تعریف	آسرا	محتاج	مالک
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نظم کو اپنے الفاظ میں بیان کریں اور شاعر کا نام لکھیں۔

اسم آلہ کی تعریف کریں۔

اسم آلہ اس اسم کو کہتے ہیں جو کسی آلہ یا ہتھیار کا نام ہو، آلہ کے معنی اوزار یا ہتھیار کے ہوتے ہیں جیسے گھڑی، تلوار، چھری

تدریسی حکمت عملی 20 اپریل تا 26 اپریل

عنوان

سبق ہمارے

بیارے نبی

ﷺ

پڑھائی کریں

الفاظ کے معانی لکھیں۔

دستور	پرورش	فضا	انتہائی	بھرپور	پیشہ	مہارت	صادق	امین	فریضہ
رواج	پالنا	ہوا	آخری	پورا	کام	کارکردگی	سچا	امانت دار	لازم

سوالات کے جوابات یاد کریں۔

س۔ آپ ﷺ کے دادا آپ ﷺ کے بارے میں کیا کہتے تھے؟

ج۔ میں یہ چاہتا ہوں میرا بیٹا بڑا ہو کر دنیا کا بڑا آدمی بنے اور ساری دنیا میں اس کی تعریف ہو

س۔ آپ کو پیدائش کے بعد گاؤں کیوں بھیجا گیا؟

ج۔ کیوں کہ یہ عرب کا دستور تھا پیدائش کے بعد بچے کو گاؤں بھیج دیا جاتا۔

س۔ آپ نے کن کن کھیلوں میں مہارت حاصل کی؟

ج۔ نیزہ بازی، گھڑ سواری، اور شمشیر زنی

س۔ لوگ آپ ﷺ کو کیوں پسند کرتے تھے؟

ج۔ کیونکہ آپ سچے اور دیانت دار تھے۔

دیئے گئے الفاظ کو جملوں میں استعمال کریں۔

پیدائش	پرورش	تجارت	صادق	فکر	مصروف	پیغام	مخالفت	ناراض	بھلائی
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واحد کے جمع بنائیں۔

ایمر	حرف	خبر	تحفہ	حق
امراء	حروف	اخبار	تحائف	حقوق

اسم صوت کی تعریف کریں۔

وہ اسم جو کسی انسان، حیوان یا بے جان کی آواز دے اسم صوت کہلاتا ہے۔

تدریسی حکمت عملی 27 اپریل تا 30 مئی

عنوان

سبق علامہ اقبال

پڑھائی کریں

سوالات کے جوابات یاد کریں۔

س۔ علامہ اقبال کا بنگلہ کس حالت کا تھا؟

ج۔ بنگلہ اچھا خاصا بڑا تھا بنگلہ چونکہ پرانی طرز کا تھا موٹی موٹی دیواریں لیکن سیلی ہوئی تھیں پلستر جگہ جگہ سے اکھڑا ہوا اور چھتیں ٹوٹی پھوٹی تھیں۔

س۔ علامہ اقبال صحن میں چار پائی بچھا کر کیوں بیٹھتے تھے؟

ج۔ کیونکہ وہاں لوگوں کا آنا جانا گارہتا تھا اور مختلف موضوعات پر باتیں ہوتی

س۔ کیا علامہ اقبال سے ملنے کے لئے وقت لینا پڑتا تھا؟

ج۔ جی نہیں

س۔ علامہ اقبال کس قسم کی طبیعت کے مالک تھے؟

ج۔ آپ بہت سادہ طبیعت کے مالک تھے اور سادہ زندگی بسر کرتے تھے

الفاظ کو جملوں میں استعمال کریں

بنگلہ	علاج	بھوک	محفل	ملاقات	تمکین	شفقت	ورزش	ہجوم	نفرت
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الفاظ کے مترادف لکھیں

سبز	درست	خیر	جسم	قریب
ہرا	صحیح	بہتر	بدن	پاس

اسم معرفہ اور کمرہ کی تعریف یاد کریں

اسم معرفہ اسم کی ایک اہم قسم جو کسی مخصوص شخص، جگہ یا چیز کے نام کو ظاہر کرتی ہے

جیسے قائد اعظم، تاج محل وغیرہ

اسم کمرہ اسم کی ایک اہم قسم ہے جو کسی عام شخص جگہ یا چیز کے نام کو ظاہر کرتی ہے

جیسے لڑکا، گلوکار، وغیرہ

تدریسی حکمت عملی 4 مئی 10 تا مئی		عنوان
<p>پڑھائی کریں</p> <p>سوالات کے جوابات یاد کریں۔</p> <p>س۔ کیا چڑیوں کا گھونسلہ ایک دم بن جاتا ہے؟</p> <p>ج۔ جی نہیں بلکہ وہ تکیا تکیا اکٹھا کر کے گھر بناتی ہیں</p> <p>س۔ جنگل کس طرح وجود میں آتے ہیں؟</p> <p>ج۔ درختوں کے جھنڈے مل کر جنگل وجود میں آتے ہیں</p> <p>س۔ دنیا میں ترقی کس طرح ہوئی؟</p> <p>ج۔ دنیا میں آہستہ آہستہ ترقی ہوئی</p> <p>س۔ اگر تھوڑا تھوڑا کام روز کریں تو کیا ہوگا؟</p> <p>ج۔ اگر تھوڑا تھوڑا کام روز کریں تو بڑے سے بڑا کام بھی ہو جائے گا</p> <p>الفاظ کے جملے بنائیں</p>		<p>نظم تھوڑا تھوڑا</p> <p>بہت</p>
صبح و شام	تھوڑا تھوڑا	ترقی
علم	کاغذ	ڈھیر
جھاڑ	موسلا دھار	گھونسلہ
رفتر رفتہ	<p>نظم تھوڑا تھوڑا بہت کو اپنے الفاظ میں بیان کریں</p> <p>اسم کی بناوٹ کے لحاظ سے کتنی اقسام ہیں نیز اسم مصدر کی تعریف یاد کریں</p> <p>اسم کی بناوٹ کے لحاظ سے تین اقسام ہیں</p> <p>1- اسم مصدر 2- اسم مشتق 3- اسم جاد</p> <p>مصدر اسم کی ایک قسم ہے۔ اسم مصدر ایسا اسم ہوتا ہے جو خود تو کسی اسم سے نہیں بنتا لیکن اس سے مقررہ قاعدوں کے مطابق کئی الفاظ بنائے جاسکتے ہوں مثلاً</p> <p>پڑھنا سے پڑھو، دیکھنا سے دیکھو، بڑھانا سے بڑھائو، بنانا سے بناو، سو گھننا سے سو گھنو وغیرہ</p>	
تدریسی حکمت عملی 11 مئی 17 تا مئی		عنوان
<p>پڑھائی</p> <p>سوال جواب تیار کریں</p> <p>ین اوک پہاڑوں میں کیوں گئی؟</p> <p>یناؤک پہاڑوں میں اس وجہ سے گی کیونکہ وہ بہت مصیبت میں تھی</p> <p>بزرگ نے اس سے کیا جواب دیا؟</p> <p>درویش نے کہا اگر تم مجھے زندہ چیتے کی داڑھی کا بال لا دو تو میں تمہارے مسئلے کا حل بنا سکتا ہوں</p> <p>ین اوک نے بزرگ سے اپنا کیا دکھ بیان کیا؟</p> <p>ین اوک نے بتایا کہ اس کے بیٹے کی طبیعت میں سخی آگئی ہے اور وہ اس کی کوئی بات نہیں سنتا</p> <p>ین اوک نے چیتے کا بال کیسے حاصل کیا؟</p> <p>ین اوک روزانہ چیتے کو گوشت کھلاتی تھی اور وہ اس کا عادی ہو گیا اس طرح یا نوک نے اس کا ایک بال حاصل کر لیا</p> <p>بزرگ نے بال آگ میں پھینکنے کے بعد کیا کہا؟</p>		<p>امتحان سبق</p>



<p>درودیش نے کہا تم نے خوار جانور کو محبت اور صبر سے اپنا دوست بنا لیا لیکن تم اپنے بیٹے کے ساتھ ایسا کیوں نہیں کر سکتی اگر تم جیتے کا دل محبت سے جیت سکتی ہو تو تم اپنے بیٹے سے اس سے بھی اچھا کر سکتی ہو دیئے گئے الفاظ کو جملوں میں استعمال کریں بھکتی چڑکارا مایوس گڑگڑانا طبیعت حل دعوت نزدیک سہلانا ملاقات تخلیقی لکھائی 'ہمارا ملک'</p>	
<p>عنوان</p>	<p>تدریسی حکمت عملی 18 مئی تا 24 مئی</p>
<p>جائزہ</p>	<p>تخلیقی لکھائی "ہمارا ملک" اپنے الفاظ میں والدہ کے نام خط لکھیں ان کی مزاج پر سی کے لیے کردنا دوسرے کے بارے میں معلومات اکٹھی کریں اور ان کو تحریر کریں (کم از کم 300 الفاظ پر مشتمل ہو)</p>
<p>عنوان</p>	<p>تدریسی حکمت عملی 25 مئی تا 31 مئی</p>
<p>جائزہ</p>	<p>کوئی ایسا واقعہ تحریر کریں جب آپ نے ایمانداری سے کام لیا ہو اپنے ملک کی ثقافت قومی شخصیات کے بارے میں معلومات اکٹھی کریں اور ان کو تحریر کریں روزانہ ایک اردو اخبار پڑھیں اور مترادف الفاظ کو تلاش کر کے ان کو تحریر کریں مترادف الفاظ ان الفاظ کو کہتے ہیں جو ایک دوسرے کے ہم معنی ہوتے ہیں جیسے آفتاب کامترادف خورشید، حرارت کامترادف گرمی، جابر کامترادف ظالم، پتلا کامترادف دبلا وغیرہ۔</p>

## سرگرمیاں

سرگرمی 1- اپنے ارد گرد دیکھ کر اللہ تعالیٰ کی دی گئی نعمتوں کی فہرست بنائیں۔

سرگرمی 2- حضرت محمد کے کوئی سے 10 ناموں کا چارٹ بنائیں۔

سرگرمی 3- اپنے دوست کی عادات کے بارے میں ایک فہرست بنائیں۔

سرگرمی 4- "آپ دوسروں کی مدد کیسے کرتے ہیں؟" 5 سے 7 سطروں میں بیان کریں۔

سرگرمی 5- اپنے پسندیدہ پھلوں کی تصاویر بنائیں اور نام لکھیں۔

سرگرمی 6- مینڈک ٹراتا ہے۔ کوئی سے 5 جانوروں کے نام لکھ کر کی آواز لکھیں۔

سرگرمی 7- یہ ہفتہ آپ کا کیسا گزرا۔ دنوں کے حساب سے چارٹ بنا کر بنائیں۔