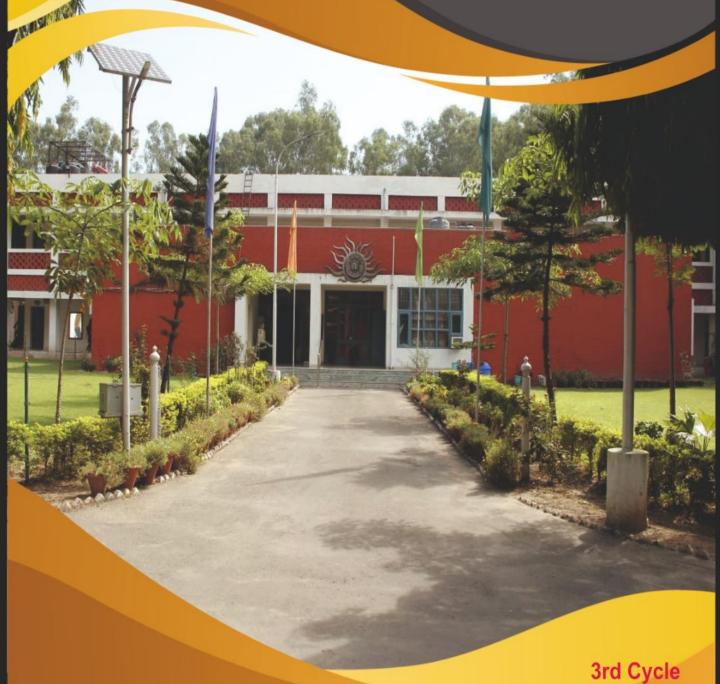


# GOVERNMENT COLLEGE OF EDUCATION SECTOR 20-D, CHANDIGARH

NAAC ACCREDITED GRADE 'A'



Assessment and Accreditation by NAAC
CRITERION-II
TEACHING LEARNING AND EVALUATION



### **KEY INDICATOR- 2.3 Teaching Learning Process**

### 2.3.4 -ICT support used by student in various learning situations

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### ICT based Lesson Plan

### **DISCUSSION LESSON**

Pupil Teacher's Roll No:73/21 Subject: Pedagogy of Computer Science

**Date:** 18-08-2022 Class: 9<sup>th</sup>

**Duration:** 40 minutes **Topic:** Operating System and its types

#### **INSTRUCTIONAL OBJECTIVES:**

After completion of the topic, students will be able to:

#### 1. Remembering

- a. Define operating system
- b. Name different types of operating system as CUI, GUI, Multiprocessing, Multitasking and Multiuser.
- c. Define different types of operating system

#### 2. Understanding

- a. Explain the purpose of operating system
- b. Differentiate between CUI and GUI

#### 3. Applying

- **a.** Use a GUI Operating system.
- 4. Analyzing
  - a. Classify different operating systems according to their types
  - b. Distinguish between different types of operating system
- 5. Evaluating
  - a. Evaluate which type of operating system they are using at the time of working on computing device

#### **INSTRUCTION AIDS**

➤ PowerPoint presentation, White Board & Marker

#### PREVIOUS KNOWLEDGE ASSUMED

> Pupil teacher assumed that pupils have basic knowledge of hardware and software and some idea about difference between application software and system software.

#### PREVIOUS KNOWLEDGE TESTING

Pupil teacher will ask the following questions to the pupils to test previous knowledge:

Questions	<b>Expected Answers</b>
A) Do you know different types of computer software?	Yes
B) Can you name any one of them?	System Software & Application  Software
C) Name a major system software present in computer?	Operating System
D) Define Operating System?	-

### ANNOUNCEMENT OF TOPIC

After not getting expected response from pupils, teacher will say "Well Students! Operating System is a system software that enables the computer hardware to communicate with the computer software. Now let's study in detail about operating system"

### PRESENTATION:

<b>Teaching Point</b>	Pupil Teacher Activity	Pupil's Activity	Teaching Aid/ Whiteboard
Introduction of Operating System	Pupil teacher will explain briefly about Operating system	Pupils will be listening carefully	
Definition of Operating System	Pupil teacher will write definition of operating system on the White board.	Pupils will write the definition in their notebook.	"Operating System is a system software that enables the computer hardware to communicate and operate with the computer software."
Functioning of Operating System	Pupil teacher will show a flow diagram on Multimedia Board related to the functioning of Operating System and explain it	Pupils will be listening carefully and write the important points in their notebook	User  Application Software Operating System Hardware Hardware

			Application Software  Operating System  Hardware
	Pupil teacher will ask some general question from what have they discussed in the class for informal evaluation Q1 Read the definition of operating system from your notebook Q2 Which makes a link between application software & hardware?	Student 1: He/ She will read the definition from his/her notebook. Student 2: Operating System	
Types of Operating System	Pupil teacher will enlist various types on white board.	Pupils will write the same in notebook.	Different types of operating systems are:  A) Command User Interface(CUI)  B) Graphic User Interface(GUI)  C) Multitasking  D) Multiuser  E) Multiprocessing

Introduction of Command User Interface	Pupil teacher will show a window MS-DOS operating system on Multimedia Board And show how to create a new folder using MS-DOS.	Pupils will be listening carefully	Titerosoft Windows [Version 10.0.22000.856]  (c) Microsoft Corporation. All rights reserved.  C:\Users\princ>
Definition of CUI	Pupil teacher will write the definition on Whiteboard.	Pupils will write the definition in their notebook.	"CUI operating system allows a user to work on the computer by typing external commands in a command prompt"
Introduction to GUI	Pupil teacher will show a window of MS-Windows and show how to create a new folder using GUI.	Pupils will be listening carefully.	A BO A D D Tropozoto
Definition of GUI	Pupil teacher will write the definition on White Board	Pupils will write the same in their notebook.	"A GUI contains graphics and icons and is commonly navigated by using a Computer mouse."
	Pupil teacher will ask	Student 1: Command	

Multiuser Operating System	some general questions from the above teaching point: Q1 Name the type of operating system in which we perform task using commands. Q2 Read the definition of GUI from notebook Pupil teacher will explain about Multiuser operating system using a PowerPoint slide	User Interface Student 2: He/ She will read the definition from his/her notebook.  Pupils will be listening carefully.	Multius er Operating Sys tem  User 1  User 3
Definition of	Pupil teacher will write	Pupils will write the	"A multi-user operating system allows for multiple users to use a
Multiuser Operating	the definition of	same in their notebook.	computer at a same time."
System	Multiuser operating system on Whiteboard		

		T	
Multitasking Operating System	Pupil teacher will explain about Multitasking operating system using a PowerPoint slide	Pupils will be listening carefully.	Multitas king Operating Sys tem  Music
	Pupil teacher will write the definition of Multitasking operating system on Whiteboard	Pupils will write the same in their notebook.	"An operating system that is capable of allowing multiple software processes to run at the same time."
Multiprocessing Operating System	Pupil teacher will explain about Multiprocessing operating system using a PowerPoint slide	Pupils will be listening carefully.	Multitas king Operating Sys tem  Music

Pupil teacher will write the definition of Multiprocessing	Pupils will write the same in their notebook.	"An operating system that is capable of supporting and utilizing more than one computer processors is known as Multiprocessing Operating System"
operating system on Whiteboard		

#### RECAPITULATION

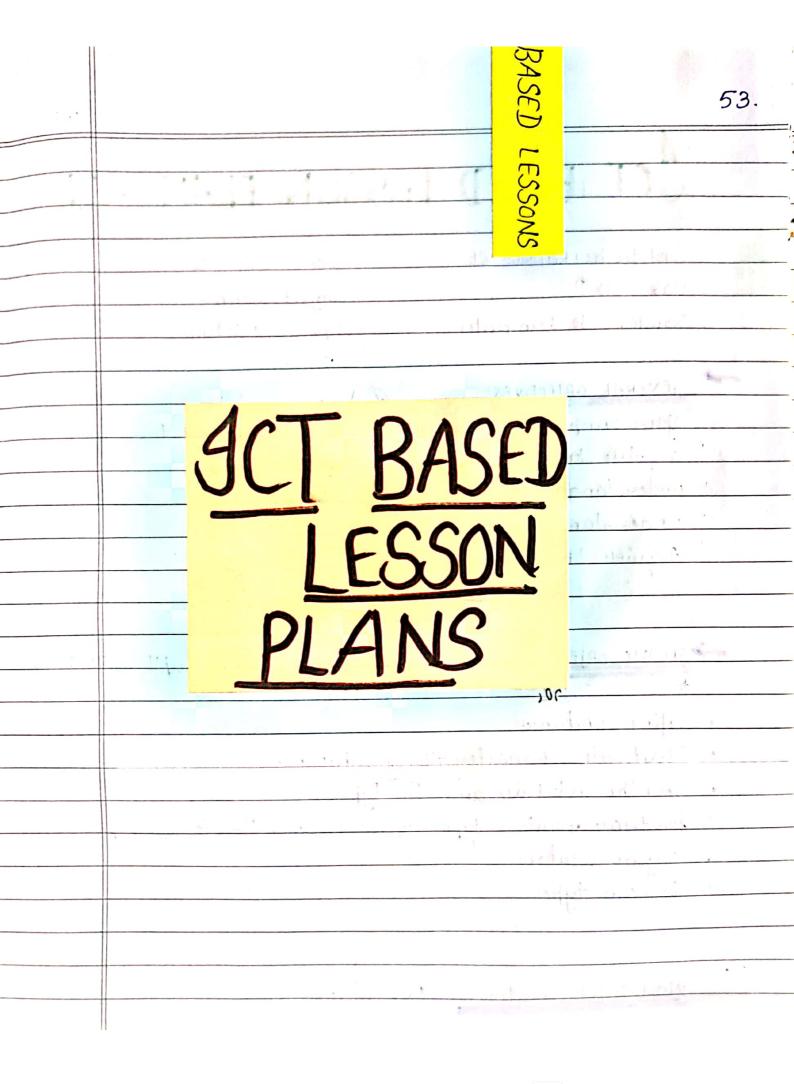
Pupil teacher will recapitulate the subject matter as:

- > Suppose, a student is listening a music and also typing a letter in Microsoft word at a same time, which type of operating system he is using?
- ➤ Which device is used to navigate in GUI operating system?
- ➤ Which acts as a bridge between User and Hardware?

#### **HOME ASSIGNMENT**

Pupil teacher will assign homework to students as:

> Write some examples of each type of Operating System.



# JCT BASED LESSON PLAN - 01

Pupil teacher Roll No. + 81 Date : 2-9-22

class : Txth

Duration : 30-35 minutes

Topic : Mixture.

CIENERAL OBTECTIVES:

After completion of this topic, pubil will be able to:

undenstand about both types of mixtures undenstand about volutions

Acquire knowledge of Solution in daily life

specific orifetives: At the end of the lesson, pubil will be able

· Define aubstance

· Illustrate characteristics of substance.

· Describe mixture and its types.

Must Hate various types of mixture with its example.

Define Golution.

Explain types.

INSTRUCTIONAL MATERIAL+ Inecotation

-> Previous Knowledge Assumed:

et is assumed that pubil are aware of mixing argan into water, matter etc.

-- Perevious knowledge Testing+

Question what do you mean by matter?

Expected Response: Anything that occupies space.

Ouestion: Hove you even prepared ungan colution?

Expected Response: when making Lemonade.

Question: what happens when you add sugar to water ?

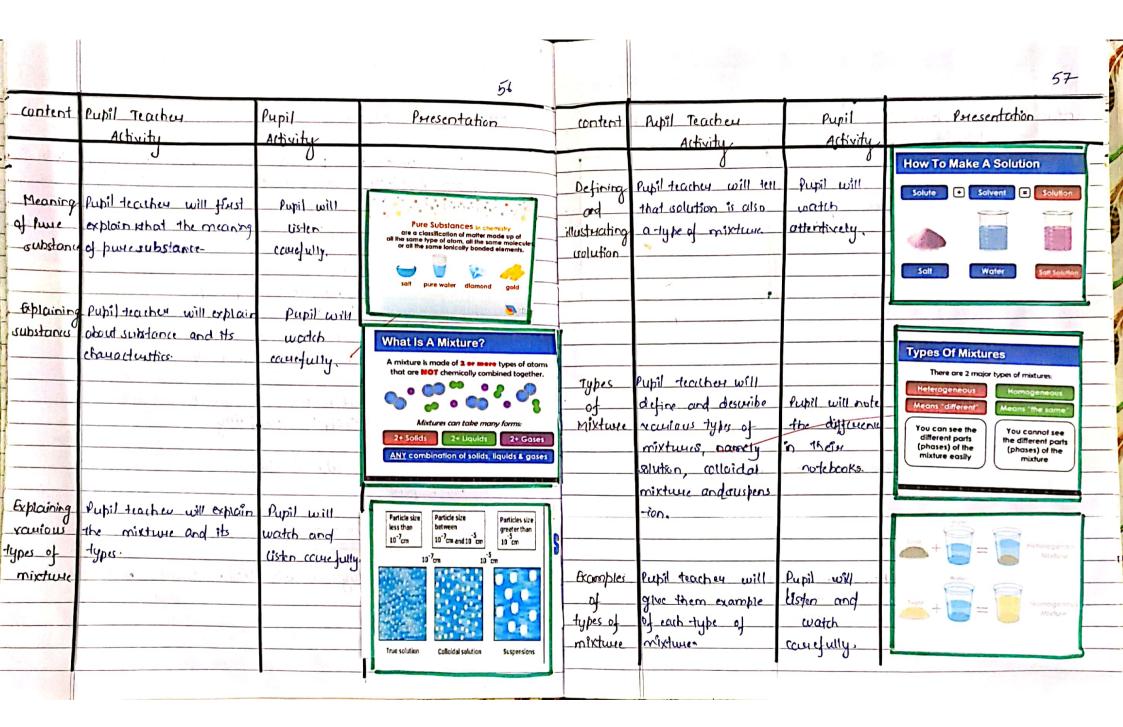
Expected Response: It disappears completely.

Question: How will you define mixture?

- ANNOUNCEMENT OF THE TOPIC:

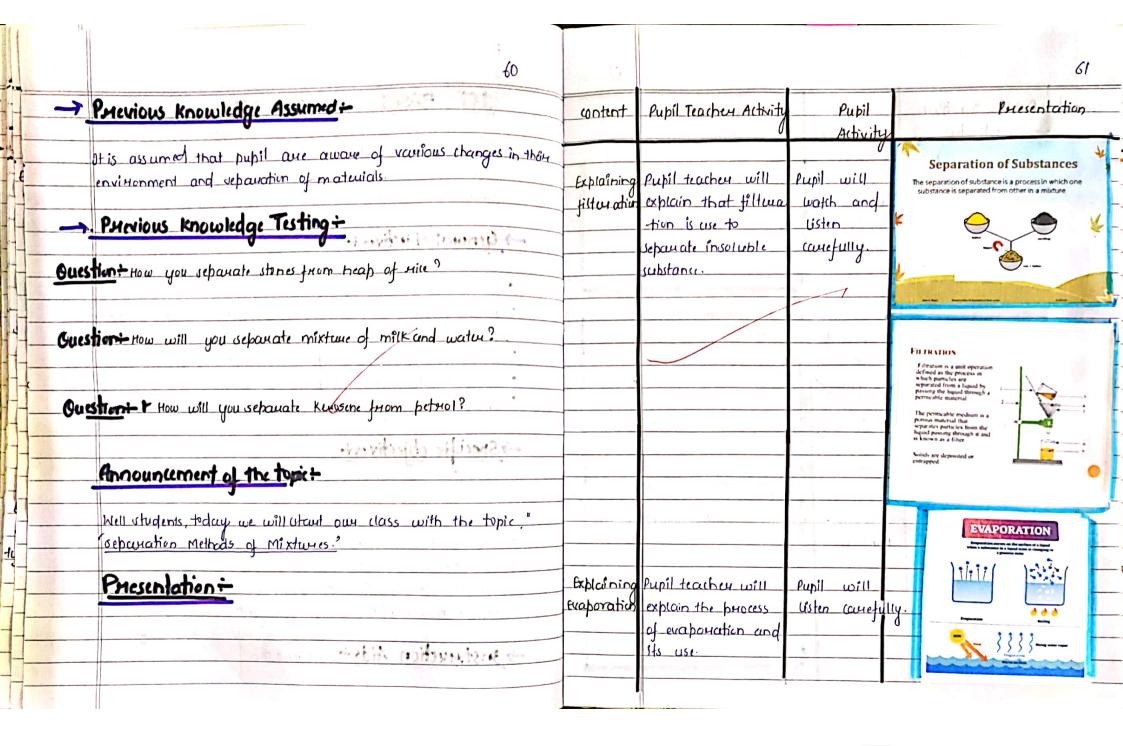
ooutudents! Today we will leaun about mixture and its types.

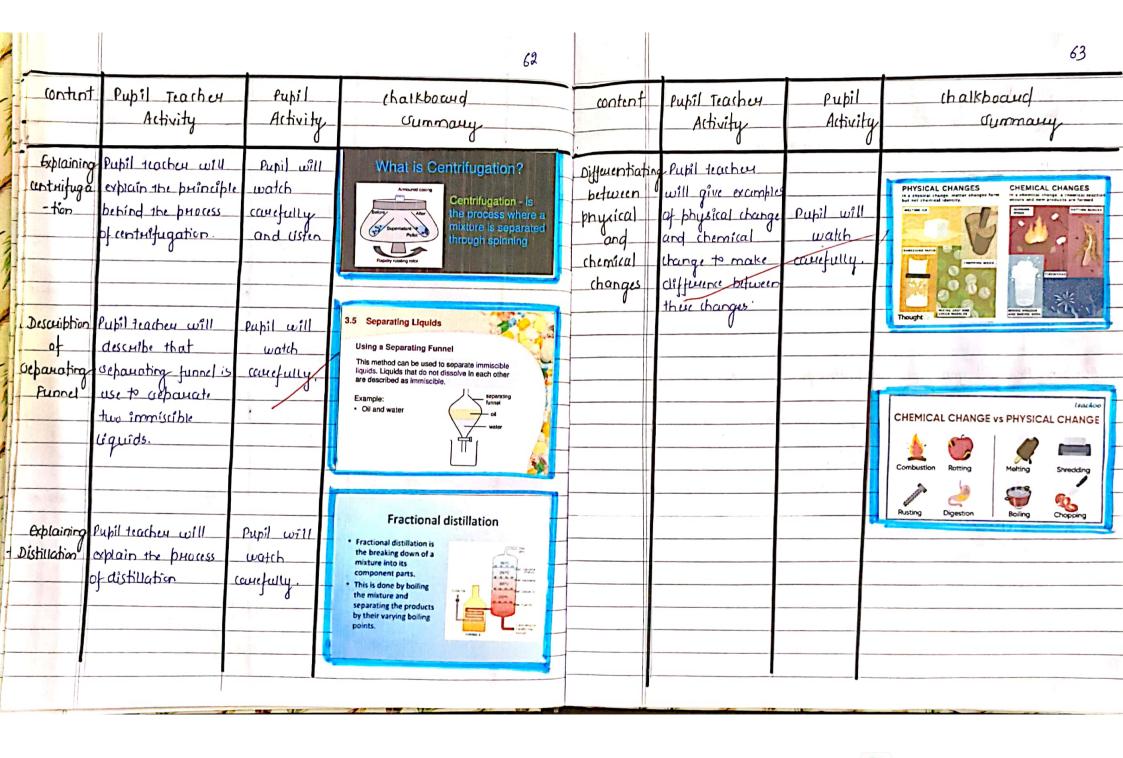
- PRESENTATION:



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1	_conten	Pupil Teacher Pupil Prese	ntation		1
1	Explaining Tyndal	Pupil teacher will Pupil will explain tyndall effect. pay			Pup clas Du
- ITTE	- EHcct.	attention Solution LIGHT BEAM. NOT VISIALE EXAMPLE: NATER  THE TYNDAL	COLLOID SUSPENSION WHATE WITHELE MALE FLOOR AND WATER THE SCATTERING OF LIGHT BY ON SUSPENSION.	->	40
	4	Recapitulation:			At Acq mi
1	Q1L	Define substance		•	un un App
Personal Spiritual Property and	0:3	The pauticle of colloidal dolution are in size —			Sp At
1		Homenonk:	it is to	- 0	ex
	d	Differtiate between homogeneous and heteregeneous	s solution		ill u
					Jn

ICT BASED LESSON P	AN -: 02
Pupil teacher's ROLLNO + 81	Date = 3/9/22
	subject - science
	opici- separation of mixtures
	the part beautiful.
Genual objectives +	2007
	4.12. 7915
At the end of lesson pupil will be	able to :-
Acquite knowledge about diffure	nt method of separating
mixture	- in the same
understand the concept of various	s methods
undenstand the use of sepanating	techniques.
undenstand the use of sepanation	in daily life vituations
	0 0
Specific objectives+	
At the end of lesson, ofudents wil	ibe able to :
3	
define separation of techniques	A part A L
explain the importance of separa	ation Management
discribe about filteration	
illustricte the use of centrifugat	ion mandament
Explain the use of   b mocess of distil	latin.
, ,,,	_





# 64 Recapitulation= Question: By which method you can separate the leaves from tco. Question: How will you reparate sait from valturation? Austion: How will you separate oil and water Homework: <u>Ouestion:</u> How will you separate butter from milk. Question: Differentiate between physical and chemical change

### **GOVERNMENT COLLEGE OF EDUCATION**

### SECTOR-20D, CHANDIGARH

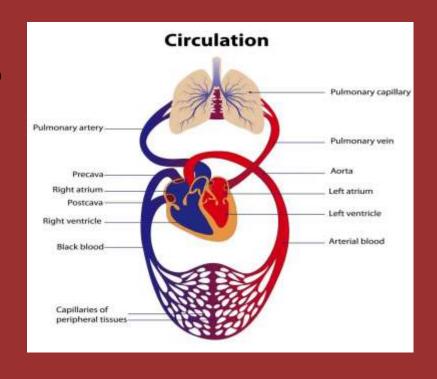
**EPC-3.1** 

NAME- ALISHA CLASS - B.ED 2<sup>ND</sup> SEM- 3 P.U. ROLL NO-21101941

# PRESENTATION ON CIRCULATORY SYSTEM

### ORGANS OF CIRCULATORY SYSTEM

- 1. HEART
- 2. BLOOD VESSELS
- 3. ARTERY
- 4. VEINS
- 5. AORTA
- 6. CAPILLARIES



### HEART

- It is the muscle at the centre of your circulation system.
- Pumping blood around your body as your heart beats.
- In which the blood sends oxygen and nutrients to all parts of the body.
- And carry away the unwanted waste products.

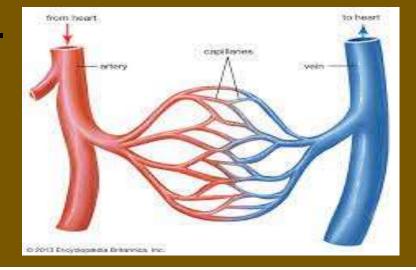
# **BLOOD VESSELS**

- A tube through which the blood circulates in the human body.
- Blood vessels include a network of Arteries, Veins, Capillaries.

## **VEINS**

- It is blue colour blood vessel like a tube.
- It takes impure or deoxygenated blood towards the heart.
- Veins have thin walls use valve to keep

your blood flowing.



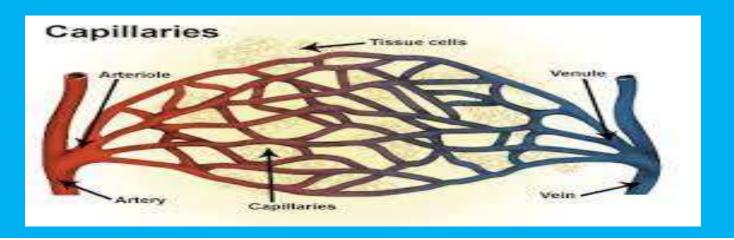
# **ARTERIES**

- It is red colour blood vessel like a tube.
- It carry the oxygenated blood from the heart towards the body parts.
- Arteries have thick walls with muscle tissue.



## **CAPILLARIES**

- These are the delicate blood vessels exist throughout the body.
- It transport all the essential nutrients and oxygen in the cells.
- These are the smallest blood vessels.



# HEART:- LOCATION STRUCTURE & FUNCTION

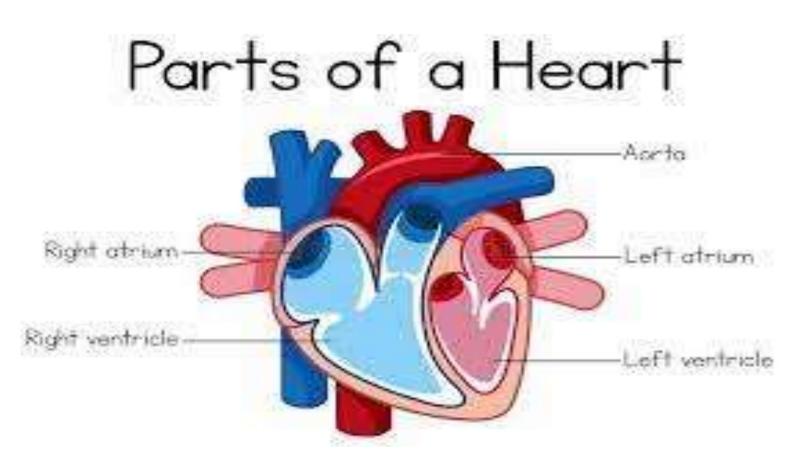
LOCATION:- IT IS IN THE CHEST CAVITY LEFT SIDE IN BODY.

**STRUCTURE:-** IT IS THE ADULT HUMAN FIST SIZE, WEIGHT OF HEART IS 350GM.

FUNCTION:- PUMP THE BLOOD IN WHOLE BODY

TRANSFER THE OXGENATED BLOOD TO BODY AND CARRY AWAY THE IMPURE BLOOD TOWARDS THE HEART

# **HEART STRUCTURE**



# THANKS FOR WATCHING THIS