Dr. Daoud Amin.

PHYSIOLOGY

Page
Title

Dec 2/24 — Case taking and approch to pt & importance of practicle in phy. OPD

DOPS

03/12/24 — importance of practicles in Physiology

Dr. Ron Physiology

04/12/24 — Definations of case taking & its importance-

05/12/24 — Content of history taking OPD

06/12/24 — Exam importance of observation

Dr. R A Deshpande

Page
Date

Date	
① 01/08/24	Lect, Topic - Intro/Fun^{al}/Ant of Heart - online MUHS papers valuation.
② 02/08/24	Inspection - (100 capacity) Attend 1st day meeting for Summer exam. phase - III 24
③ 03/08/24	Exam duty as a reliver Deptal work.
④ 04/08/24	Exam duty as a ~~Sto~~ Jr. supervisor.
⑤ 06/08/24	Lect. Topic → Heart Deptal Work, paper valuation
⑥ 07/08/24	Exam duty Jr. Supervisor. • Paper valuation.
⑦ 08/08/24	Lect - Pacemaker conducting system of Heart.
⑧ 09/08/24	Exam duty as a J.V.S.

Dr. H S Kole

Month - Aug 2024

Page
Date

01/08/24.	Examination work, Paper arrangement (answerbook), Lecture - off preparation of topic
02/08/24.	Inspection [100 capacity] 1 day meeting of summer 2024 Phase III MBBS with observer. Lecture: → Introduction of CNS.
03/08/24.	centre incharge duty for summer Examination Phase III
04/08/24	Sunday.
05/08/24.	centre Incharge duty
06/08/24	Examination work and. Lecture :- NO.
07/08/24.	Theory papers - summer. Phase III. - C I
08/08/24.	paper arrangment and. Lecture - NPIE
09/08/24	Theory papers - summer phase III - C I

HOMOEOPATHIC MEDICAL COLLEGE AKOT ROAD AKOLA

DEPARTMENT OF PHYSIOLOGY

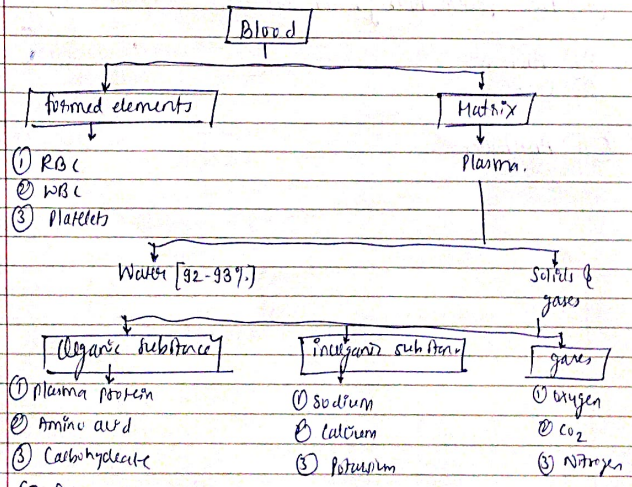
NAME : AKANKSHA RANGARI

ROLL NO : 29

SUBJECT : TUTORIAL

Que Define blood and composition of blood?

Definition :- Blood is a specialized fluid connective tissue that circulates throughout the body via blood vessels. It transports oxygen, Nutrients, Hormones and waste products & helps maintain body temperature, pH balance and immunity.



Q. Function of Enzymes

→
- Speed up chemical reactions
  They increase the rate of biochemical reactions without being used up.
- Lower activation Energy
  Enzymes reduce the energy needed to start a reaction, so it happens easily.
- Digest food
  Amylase → breaks starch into sugars
  Pepsin → breaks proteins into peptides
  Lipase → breaks fats into fatty acids.
- Help in metabolism
  Enzymes control anabolism (building reactions) and catabolism (breaking reactions).
- Specific action
  Each enzyme acts on a specific substrate (lock and key principle)
- Regulate body functions
  They help in respiration, circulation, nerve conduction, muscle contraction.

HOMOEOPATHIC MEDICAL COLLEGE

AKOT ROAD AKOLA

INTERDEPARTMENTAL SEMINAR

Department of Gynecology and Obstetrics

Department of Anatomy

Department of Physiology

PRESENTED BY:

1.Gunjan Barabde(2nd year)

2 Pallavi Nemade(2nd year)

3.Disha Ingle(2nd year)

4..Aafiya Khanam(3rd year)

5.Khushi Agarwal (3rd year)

GUIDED BY:

1.Dr.Hemlata Laddad
(HOD,Department of Obgy)

2.Dr.Manoj Sarda
(HOD,Department of Anatomy)

3.Dr.Raju Deshpande
(HOD,Department of Physiology)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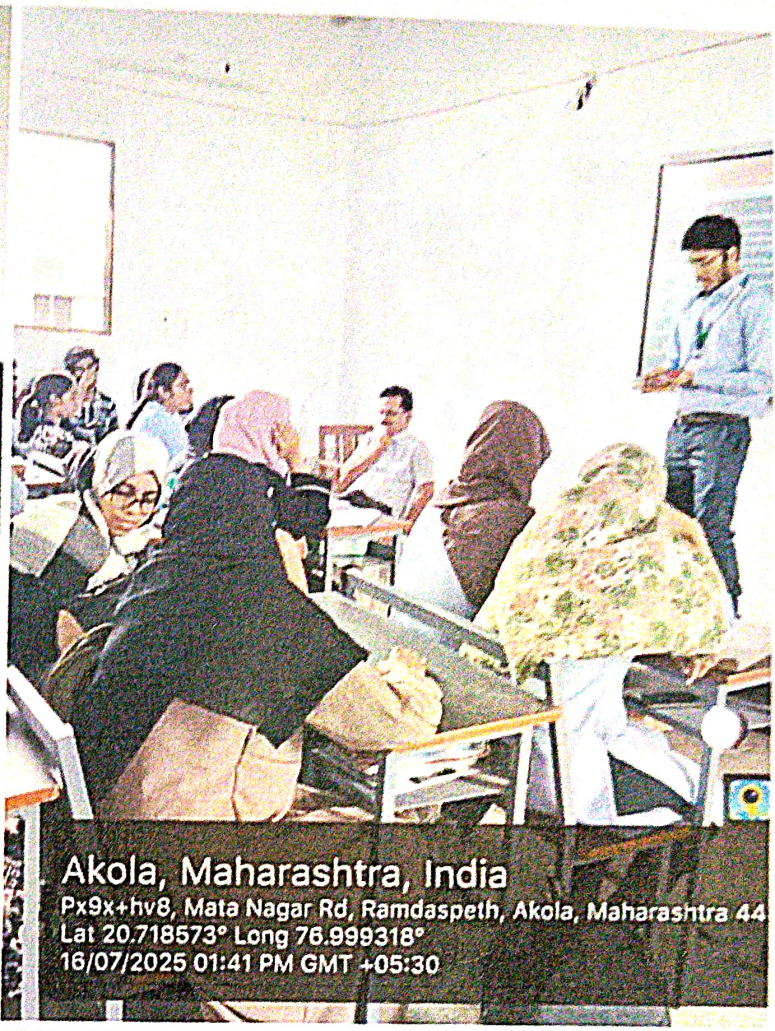
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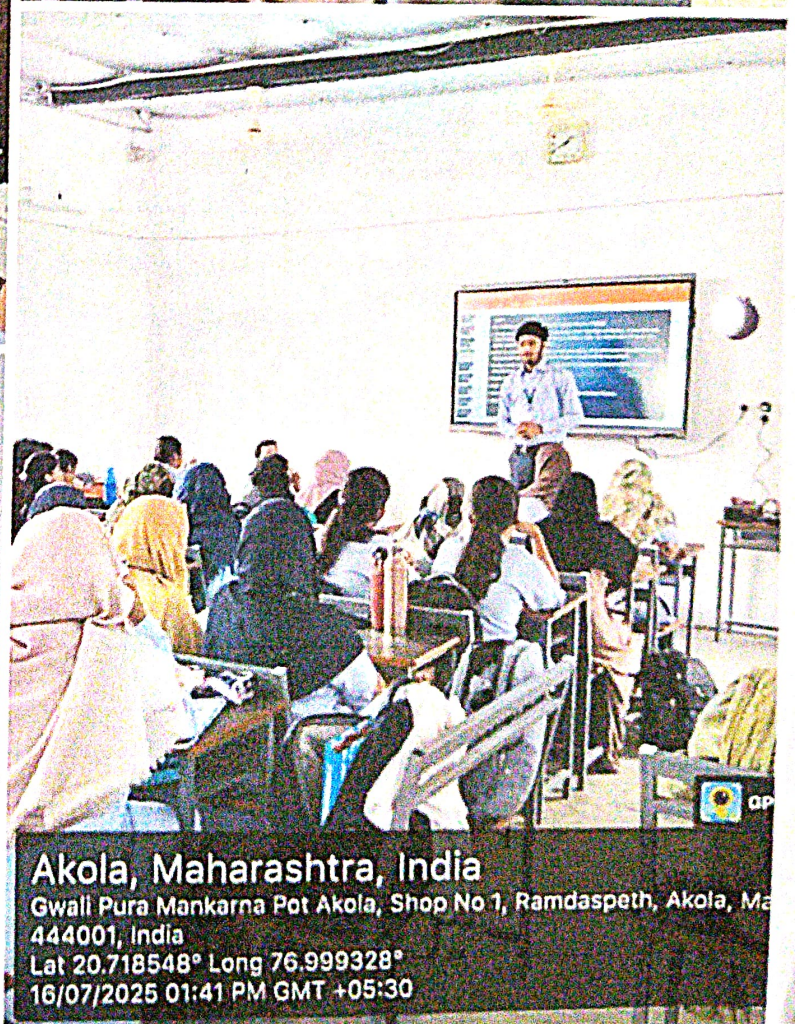
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HOMOEOPATHIC MEDICAL COLLEGE, AKOT ROAD AKOLA

DEPARTMENT OF PHYSIOLOGY

Topic - Taste sensation

Guided by HOD: DR. RAJU DESHPANDE
ASSI PRO: DR. HARSHALATA KOLE

Represent by *Arshiya Tabassum (4)*
Nandini jadhav (14)
Tabassum shaikh(24)
Saniya Urooj(34)
Rahila Anam(44)

INTRODUCTION

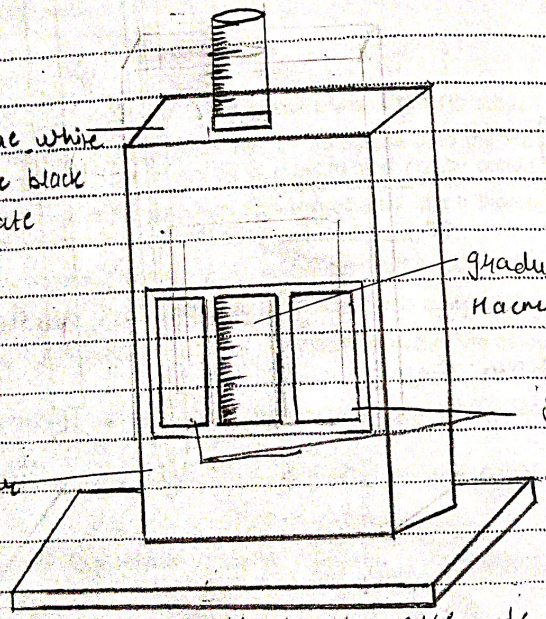
Taste is a special visceral sensation concerned with :

- Selection of food.
- Stimulation of digestion.
- Protection from harmful substances.
- The receptors for taste are called Taste Buds.

Questions :

1. Draw and label the diagram of Sahli's comparator and label the given diagrams.
2. What are the other methods of estimation of Hb and which one is the best? Why?
3. What are the advantages and disadvantages of Sahli's method?
4. What is the significance of Hb estimation?
5. In Sahli's method, can you use H_2SO_4 or HNO_3 instead of HCl?
6. Can you use tap water for dilution?
7. Why do you take glass distilled water and not Cu-distilled water for dilution?
8. Can you use less or more of N/10 HCl than upto mark '10'?
9. Why have you to wait for 10 min. after adding blood to N/10 HCl?
10. What are the possible errors in estimation of Hb by Sahli's method?
11. What are the factors affecting Hb concentration of blood?
12. What are the functions of Hb in the body?
13. At what stage of development, Hb appears in the RBC?

Ans:1



Ans:2 There are two methods to estimate Haemoglobin:

A] Indirect Colorimetric method: In this method Hb is converted into a derivative having a define tinge. Add to formation of an unstable compound & precipitation of colour eg: (i) Tallquist's method: Hb is converted into Oxy Hb (ii) Haldane's method: Hb is converted into Carboxy Hb

B] Cyanmeth method: Hb is converted into Cyanmeth Hb.

B] Direct Estimation Method:

(i) Van Slyke's method: O_2 carrying capacity is estimated

(ii) Iron estimation

(iii) Spectrophotometry

Direct estimation methods are good, of all indirect methods, Cyanmeth Hb is the best. In this method about 99% of Hb existing in all forms is converted to titrable compound.

Ans:3: Advantages: Easy & inexpensive and also is fairly accurate.

Disadvantages: 1) Day light is required

2) Time consuming as colour has to be matched with standard

The possible error in this method are:

1) Personal error in matching.

2) Instrumental error: eg: Fading of colour strip (standard) in comparator.

3) Pipette error: eg: formation of air bubbles while sucking the blood.

Ans:4: Hb estimation is useful in diagnosis of anaemia

Ans:5: We cannot use H_2SO_4 or HNO_3 instead of HCl because they react with Hb & Hb is converted respectively.

Ans:6: Tap water is never used because of impurities


6
5
B


STRUCTURE
OF THE SKIN