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2018-

भाग-2

M.Sc. Internal

# चौधरी चरण सिंह विश्वविद्यालय, मेरठ Ch. Charan Singh University, Meerut

निम्नलिखित विवरण परीक्षार्थी द्वारा स्वयं भरा जाए (To be filled by the Examinee)

परीक्षा का नाम M.Sc वर्ष 20 19 भाग/सेमेस्टर II  
 (Name of Exam) (Year 20.....) (Part / Semester)

विषय Zoology प्रश्न-पत्र/पाठ्यक्रम Mammalian Physiology पेपर कोड नं. H-2064  
 (Subject) (Paper / Course) (Paper Code No.)

परीक्षा का दिन Saturday दिनांक 4/ May / 019  
 (Day of Examination) (Date)

प्राप्तांक एवं पूर्णांक परीक्षकों द्वारा भरे जायें

पूर्णांक (Max. Marks)

प्रश्नों की क्रम संख्या	a/I	b/II	c/III	d/IV	e/V	f/VI	g/VII	h/VIII	i/IX	j/X	योग
1	1	1	1								2
2	2	1									3
3	1	1									2
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

Prati Bhati

13

प्राप्तांक (शब्दों में)	अंकों में



# चौधरी चरण सिंह विश्वविद्यालय, मेरठ

आवश्यक विवरणों से तनु पृष्ठ भाग देखें

Date Stamp to be affixed here

मामूला 'गुप्त'

(परीक्षार्थी द्वारा भरा जाए)

परीक्षा का नाम M.Sc भाग/सेमेस्टर II  
 विषय Zoology  
 प्रश्न पत्र Mammalian Physiology दिनांक 4/ May / 019

परीक्षार्थी का अनुक्रमांक (Roll Number) उत्तर-पुस्तिका क्रमांक

M	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
E	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
F	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
G	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
H	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
I	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
J	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
K															
L															
P															
S															
T															
U															
V															
W															

KM-I-01-

कालेज कोड

018

(परीक्षार्थी की श्रेणी)

- संस्थागत
- व्यक्तिगत
- बैक पेपर
- अंक सुधार
- भूतपूर्व
- एकल विषय

नामांकन संख्या (Enrollment Number)

M	1	5	5	3	3	9	8	4							
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

पेपर कोड

H-206

परीक्षार्थी का पूरा नाम

Prati Bhati

कक्ष निरीक्षक का नाम

# Section - C

Ans = 10

~~\*~~ BLOOD ÷

Outline ÷

- Blood
- flow chart
- function.

# BLOOD :-

Blood is a fluid and liquid material. Blood are present in all mammals and living things.

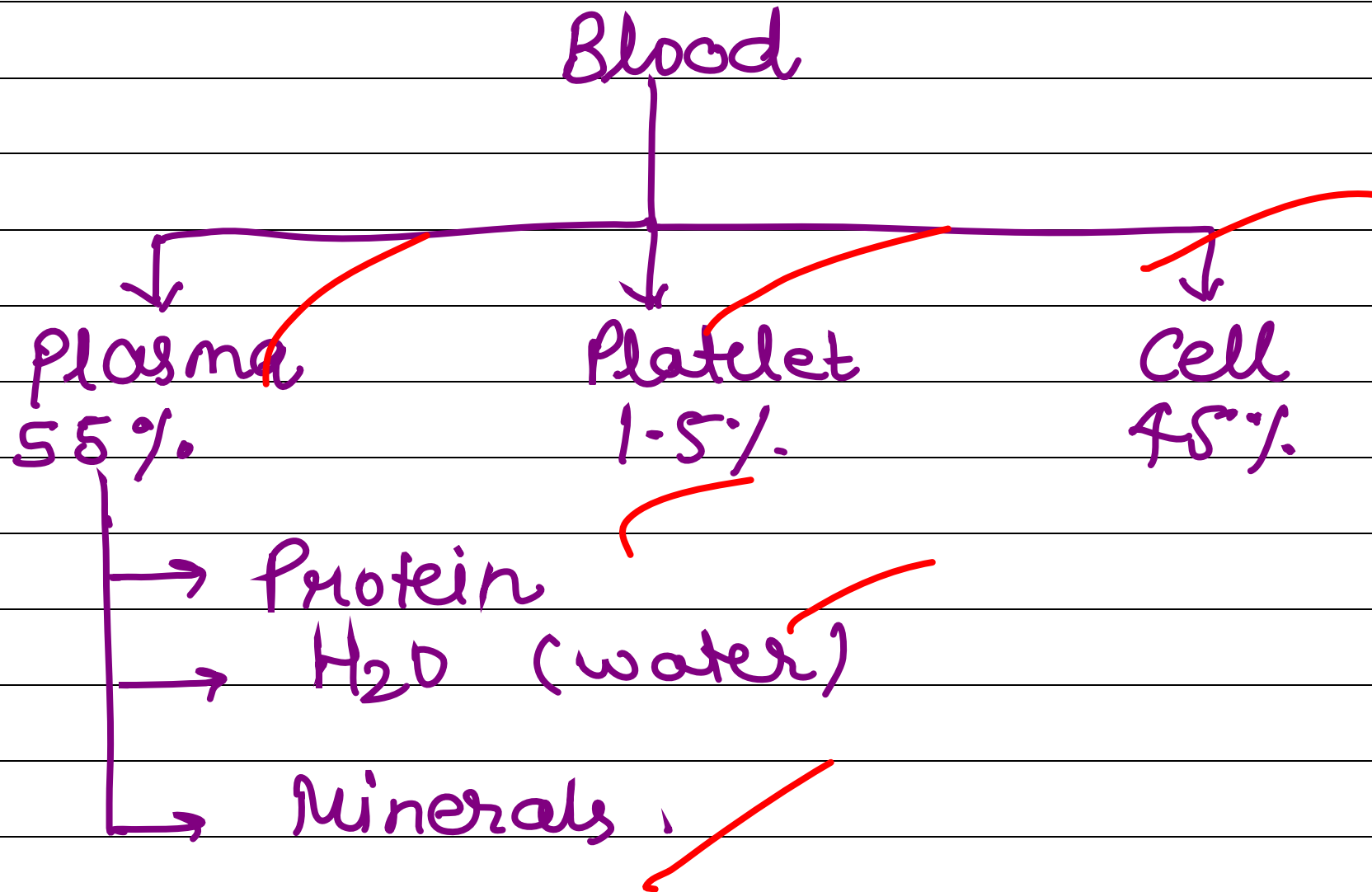
Blood are present in plasma, protein and minerals. Blood are divided in four groups: A, B, AB, and O.

Blood are present in antigens and antibodies. and Insulin.

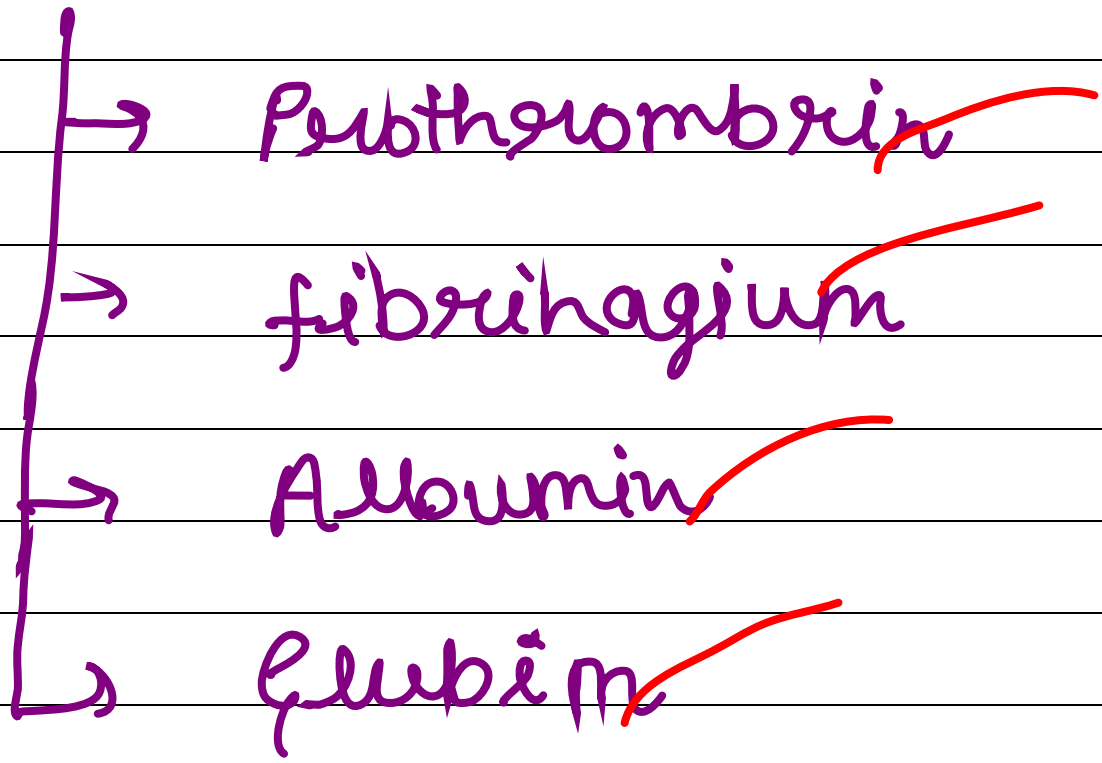
Blood colour are red in presence of hemoglobin. Most of animal colour are red. But some animal colour are white, and Blue.

Blood are supply the substances and minerals for the body.

# Flow Chart



Protein



cell



RBCs.  
It contains the  
Nucleus of  
99%.

WBC  
It contains the  
Nucleus of  
1%.

Function -  
Transformation  
of oxygen

It contains  
divided again  
two types

Agranulocyte

Granulocyte

Neutrophil

Basophil

Acidophil.

# Agranulocyte

Lymphocyte

Monocyte

T Lymphocyte

B Lymphocyte

Thymus

T Lymphocyte

Bone Marrow

divide again  
three type

→ Helper



↗ killer  
 ↘ Sensitive

• Helper cell are help to  
 attach the Bacteria.

*Release lymphokines  
 (Immuno-catalyst)*

• killer cell are kill the  
 Bacteria

• Sensitive cell are sense the  
 Bacteria and help to catch  
 the Bacteria.

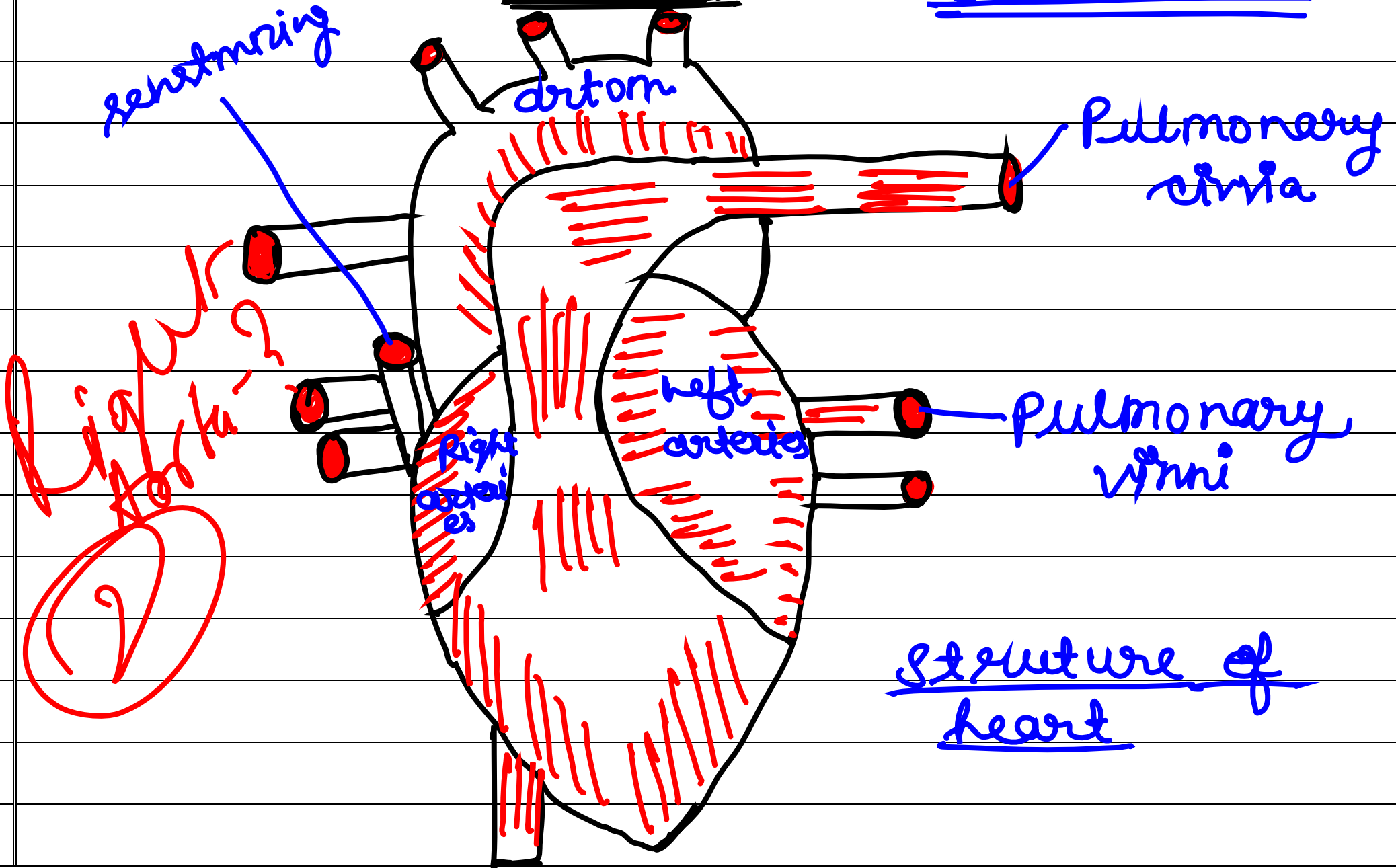
## ★ Functions of Blood :-

- Blood are main function of the body they are substance and minerals flow are the Body.
- Blood are responsible for transmit of oxygen.
- Blood are secrete the excretion material such as - Carbondi-oxide - uric acid and Lactic acid

# Section - B

Ans = 6

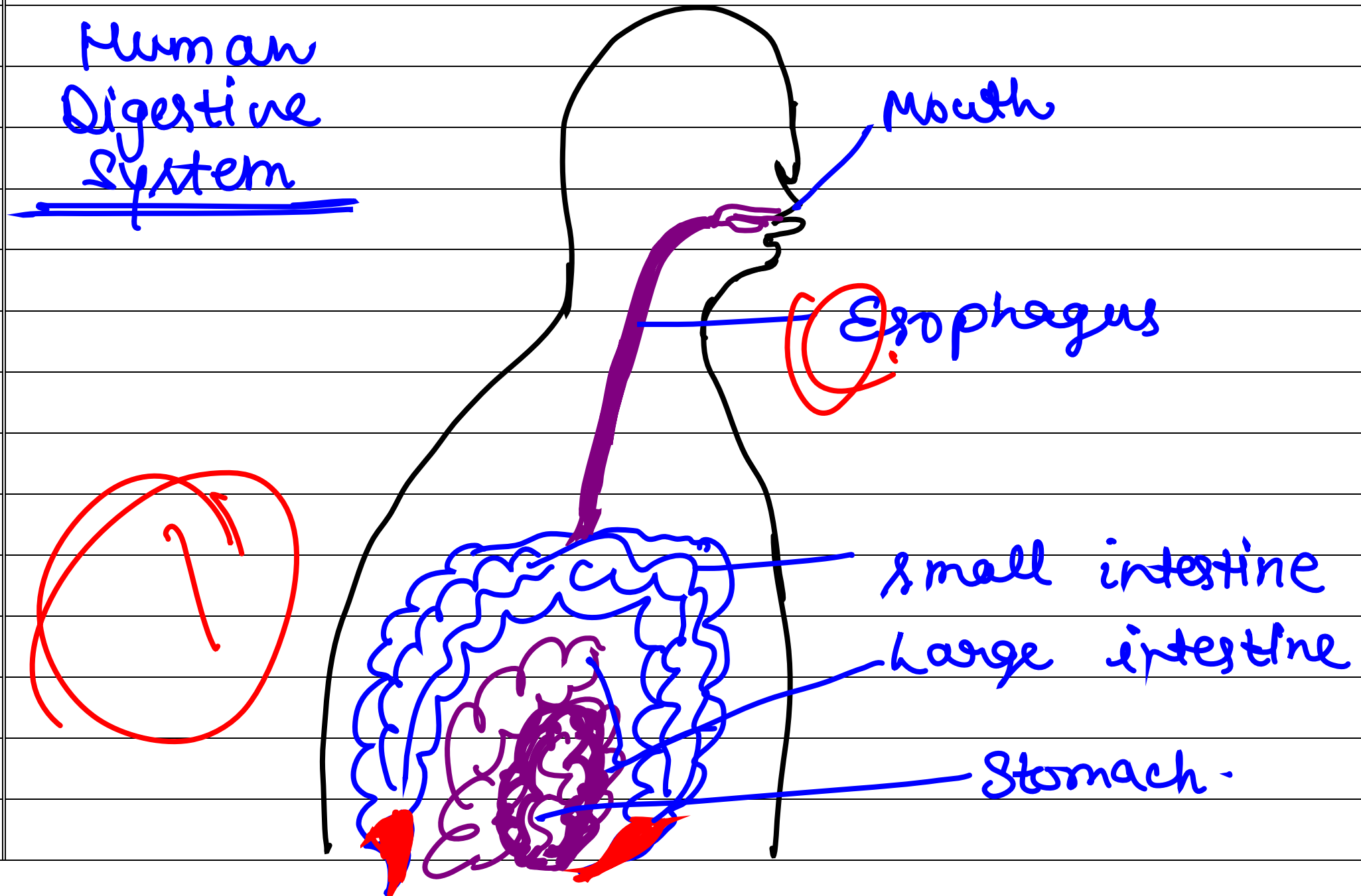
## Bird Heart



Structure of heart

Ans = 7

Human Digestive System



Human digestive system Organs  
are Mouth, Esophagus, small  
intestine, Large intestine,  
and stomach.

The food ~~are~~ cut ~~in~~  
macromolecules is called  
digestion.

Firstly start the digestion on  
Mouth, and after Organs  
are, Esophagus, stomach, small  
intestine, And Large intestine.

## Section - A

Ans = 1

★ Pineal gland ÷

the part of ~~Endocrinology~~ pineal gland are  
 pineal gland size are small  
 pineal gland secrete two  
 pineal gland secrete the hormone.

Ans = 2

★ Protein Hormone :-

1. Relaxin
2. Thyroxine

Function :- Relaxin :-

Thyroxine - function :-

the Thyroid gland -

Thyroxine secrete

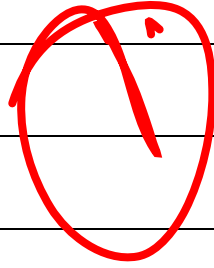
Ans = 4

★ Function of Oxytocin :-

1. Oxytocin are the hormone. the Hormone production of lactation of milk. the
2. Oxytocin are secrete in female.
3. The secrete in female are the Baby are presence in utris.



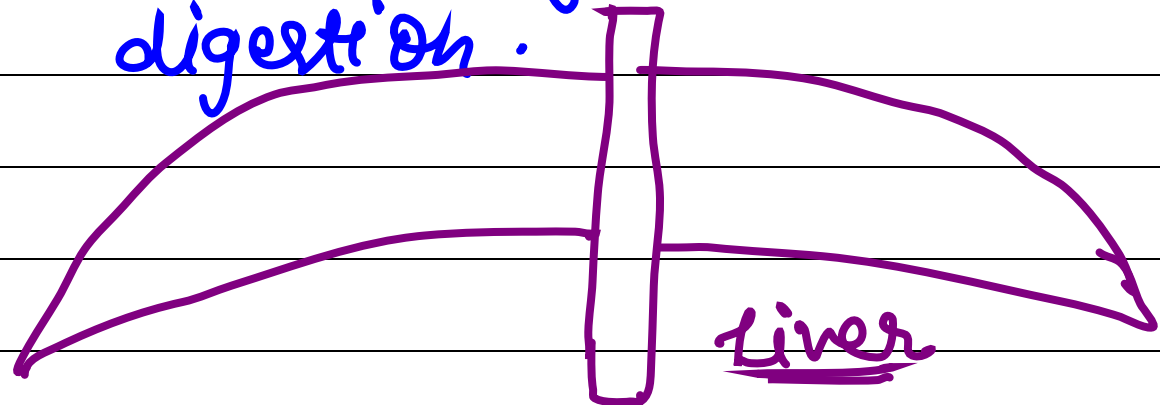
\* oxytocin also used in animal  
 especially cow and  
 Buffalo.



Ans = 5

## \* Function of Liver :-

- They are present in gall bladder
- They help the digestion.



# Section - C

Ans = 11

Thermoregulation ÷

- outline .
- Thermoregulation

• Terms of thermoregulation

→ Endotoxin

→ Exotoxin

• Survival fecal utilities in area.

\* Thermoregulation ÷

why are hot the Lizard,  
 why the high temperature  
 of the Dog and other  
 animal, they question

are why, what, when, which  
are the thermoregulation

• Human Body Temperature  
37 - 38 °C and 98 °F

• Human Body Temperature are  
High and Low are the  
depend on the environment  
and when human faced  
the surface area.  
Different - Different countries and  
Area Temperature are  
different and

Then different temperature effect  
are faccessing in human  
animal,

Human Temperature are the  
different in body temperature  
according to environment

But animal like fish are  
temperature are find  
High and low,  
Beacuse some fishes  
in hot water go body  
temperature is high and some  
fish in ice water so then  
fish body temp is low

# Terms of Thermoregulation

Two terms of Thermoregulation

1. Endotoxin
2. Exotoxin

★ Survival faculties in Area:-

The Body temperature is High and Low depend on the survival people in this Area.

The small area are present  
 in many people so this  
 area temperature are  
 high.

And the large area and  
 the countitite the people  
 of this area is  
 some then the temperature  
 this area is low

Temperature high and low  
 Depending on the countitite  
 of people, surface

# Area And Temperature.

