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ID : 16564 : D-P-L 2nd (B)

Topic : Physiology :-

Q No 1 ⇒ Write Note on Pituitary gland
ii Hormones and abnormalities?

Ans: Pituitary gland lies below hypothalamus and is divided into anterior and posterior pituitary gland. It is an endocrine exocrine gland. The anterior pituitary forms six hormones i.e Growth hormone, ACTH, prolactin, FSH, LH, TSH.

The problems may be hypopituitarism and hyper-
The abnormalities may be

- prolactinoma
- GH adenoma
- Thyrotroph adenoma
- ACTH producing adenoma.
- Gonadotroph adenoma.

The posterior stores oxytocin and ADH. The abnormalities like diabetes insipidus may occur in this.

The pituitary gland is also called master gland.

Q=2 ~~Ans~~ ⇒ What is erythrocytes, erythropoiesis, erythrocytosis and erythropenia?

Ans: Erythrocytes ⇒ The red blood cells are called erythrocytes.

Erythropoiesis ⇒ The formation of RBCs is called erythropoiesis.

Erythrocytosis ⇒ The excessive production of RBC.

Erythropenia ⇒ It is the deficiency of RBCs.

Q3: what is the platelet and write about

Q3 ~~Ans~~ ⇒ Clotting Mechanism and its steps

Ans: Platelets ⇒ It is a form of blood cells. It helps to clot the blood to stop the bleeding.

Clotting mechanism ⇒ The process

which the clotting of blood occurs is called C. mechanism. It occurs through 3 stages.

- ① Vascular spasm
- ② formation of platelets plugs
- ③ Coagulation → in which clotting factors promote formation of fibrin clot.

Q4: Write a Detail Note on ABO System?

Q4 Answer ⇒ The classification of human blood based on inherited properties of red blood cells, as determined by presence of or absence of antigens A, B which are present on surface of red blood cells.

Person may have A, B, AB or O blood group. When a person have A antigen on red blood cells then the group will be A, a when B antigen is present then the group will be B when both antigens is present then the group will be AB. When no antigen is present then it will be O.

It is very important in blood transfusion, in which A group can give and receive blood from group A, B from B group. AB can receive from AB. ~~A, B and~~

O is universal donor but can receive only from O group.

Q5 A person fell from a tree and became

Q5 ~~Unconscious~~ Unconscious with bleeding?
Ans(A) => We will follow ATLS
protocol in which you
have ~~to~~ secure
his Breathing then his
circulation and airway.
After this you have
to carry patient to the
hospital. Know is ov

Q5(B) You have to meet a friend and you come 1
A:(B) => you have to wear gloves,
mask (N-95) and glasses
before you meet him. as
a precautionary measure.
After meeting him you
have to wash your
hand with sanitizer or
soap. If you suspect the
disease in yourself after
days you have to look
at your pulse through
pulse oximeter.