

Q NO: II

Brain: a leading ^A part of C.N.S (Central Nervous System.)

I- Introduction:

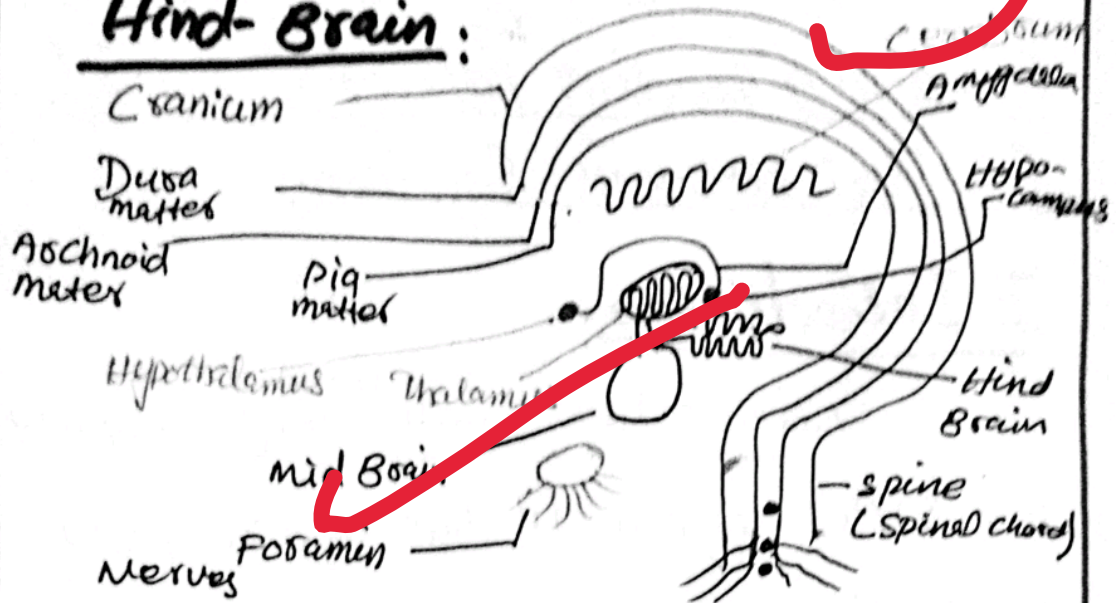
Nature has made ^{human} very uniquely.

As Allah Almighty has said in Holy Quran "And we have created human very uniquely (Surah-Al-Teen-4). Similarly, in this unique ~~creation~~, another important organ exists which controls all human functions and keeps the information about the daily activities of body. This unique organ is called human brain which is the major part of Central Nervous System.

Brain performs various ~~functions~~ in the human body. ~~It has three major parts i.e.~~ such, controlling body, storing the information, recognition of the things and soon.

Functions of Fore-Brain and

Hind-Brain:



Relate your headings and arguments to the qs statement

Functions of Fore-Brain

The frontal lobe/portion of the brain is called fore-brain. It consists of, thalamus, limbic system, etc.

The fore-brain performs, mainly, the functions of collecting information such as the sensory information, then it transfers it to the thalamus.

Thalamus:

The information from the sensory stimuli reaches in the thalamus part of the brain, mainly in fore-brain. Then, from there, it transfers back the response of stimuli.

Body Regulations

Fore-Brain controls the human, hunger, thirst, menstrual cycle, internal body temperature, etc.

Emotion Control

Furthermore, it controls the human happiness, sadness, punishment, Anger, Shame, fear etc.

Storage memory:

It performs the storage for short-term memory, and long-term memory,

further, thinking, intelligence, decision making, judgement, learning process also get perform here at the fore-brain.

Hind Brain:

Hind Brain is responsible for the control of various function. It's following parts perform different functions.

i- Medulla oblongata

Control breathing, heart rates, Blood pressure etc.

2- pons :

manages the sleep cycle. control the transitions in between the sleep and wakefulness, Body Balances etc.

3- Cerebellum :

Long-term memory storage. Responsible for body coordination. deals with voluntary actions.

The quranic verse part is okay.

But improve the relevance of the headings

9.5

Question 2

- A) Brain is the leading part of C.N.S, briefly describe the function associated with Fore-Brain & Hind Brain. (5)
- B) Define Enzymes, explain their mechanism of action & give their characteristics. (5)
- C) Describe & present the internal structure of earth. (5)
- D) Transition in the energy system is pivotal to manage the env. problems. How renewable energy resources can help in reducing env. cost? (5)