Survival Functions & Cognitive Functions

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| **Survival Functions** | **Cognitive Functions** |
| In mother’s womb brain develops rapidly than any other organ and before birth it attains above 25% weight of adult brain **(Adult average brain weight is 1375gms to 1425gm).** By the age of 6 months it reaches to half of the weight of mature adult human.At the end of five years brain growth reaches to (90% of adult weight). The first principle of development is “The tendency for development proceeds from head to foot direction” the second principle of development is “The development begins along the innermost part of the body and continues **towards** outmost part”. Source: Passer & Smith, Psychology-The science of mind & behavior, Third edition-2007, Published by TATA-McGraw Hill. |
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| The first brain areas to mature fully lies between deep within (MEDULAVARIL MDHYA BHAG) the brain and regulate basic survival functions.  | The last area of brain to mature is frontal cortex (KAPALAKADIL MENDUCHA BHAG) which is vital for development of human highest level cognitive functions.  |
| Konrad Lorenz (Austrian Ethologist) who shared nobel prize for his studies of animal & human behavior said, “Fighting and anger in lower animals has a positive survival function. And, fighting and warlike behavior in man have an inborn basis but can be environmentally modified by the proper understanding of basic instinctual needs. Source: [http://www.britannica.com](http://www.britannica.com/) | Perception (AKALAN or BODH) & Judgment (NIKAL or ABHIPRAY) are two important cognition functions. And cognition is an experience of knowing that can differentiate from an experience of feeling or willing. This is one single word that refers to the brain and mind. Source: [http://www.britannica.com](http://www.britannica.com/) |
|  Anthropology is the science of humanity. It says “Survival is the cultural phenomenon, that outlives the set of conditions under which survivors develops”. “Survival training” is learned behavior but instinctual and basic motive exist deep inside the brain. People learn techniques to survive in this world. Human being fight for food, water and shelter. Human also searches for edible plants, hunt (Prey) and superior land.  | In study of 10000 older people (Above 60) cognitive functions are compared with survival. The study carried for 14 years. Around 4200 died during study. The result of the study shows that **“higher level of cognitive functions”** was associated with “Increased survival” even after controlling “Health Related” & “Lifestyle Related” variable. American white and African blak does not differ in this study.  *Source:* [*http://www.sciencedirect.com*](http://www.sciencedirect.com/) |
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| **Survival Functions**: Breathing, heartbeat,  | **Cognitive Functions**: Managing multiple variable, Hypothesis formulation (scientific or functional),*source: Piaget, Swiss Psychologist-1950 & 1955.*Moral reasoning, Transcendental morality, Morality of cosmic orientation, *Source: Kohelberg, American Psychologist- 1973 & 1981*  |
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