

CERT-A-1003

CBBL-01

**CERTIFICATE PROGRAMME
EXAMINATION — JULY 2024.**

STRUCTURE AND FUNCTION OF BRAIN

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

Answer any **THREE** questions out of Five questions in
100 words.

All questions carry equal marks.

1. Define Memory acquisition.
2. Write the functions of Neuron.
3. Define Behaviourism.
4. What is meant by content factor?
5. Define Brain control.

PART B — ($3 \times 7 = 21$ marks)

Answer any THREE questions out of Five questions in
200 words.

All questions carry equal marks.

6. Write short notes on anatomy of Human Brain.
7. Write briefly on types of neuron.
8. Explain the principles of brain based learning.
9. Write about different types of long term memory.
10. Write short notes on cognitive psychology.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions in
500 words.

All questions carry equal marks.

11. Explain the Morphology and Physiology of the Human Brain.
12. Elucidate the structure and function of Neurons.
13. Write an essay on conditioning.
14. Write a detailed note on functions of Human Brain.

15. Enumerate the applications of brain science and cognitive psychology.
 16. Write an essay on Human Nervous System.
 17. Explain the role of memory in learning.
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CERT-A-1030

CBBL-02

**CERTIFICATE PROGRAMME
EXAMINATION — JULY 2024**

INFORMATION PROCESSING IN BRAIN

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

Answer any **THREE** questions out of Five questions in
100 words.

All questions carry equal marks.

1. Write the functions of cerebrum.
2. Mention the functions of thalamus.
3. What is brain based learning?
4. Define Brain Hemisphericity.
5. What is neuroplasticity?

PART B — ($3 \times 7 = 21$ marks)

Answer any THREE questions out of Five questions in
200 words.

All questions carry equal marks.

6. Write a short note on Human Brain Structure.
7. Write briefly on Peripheral Nervous System.
8. Explain the concept of orchestrated immersion.
9. Enumerate the differences between Coding and Decoding.
10. Write short notes on Classical Conditioning theory.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions in
500 words.

All questions carry equal marks.

11. Explain the Functions of the Human Brain.
12. Highlight the Structure and Function of Neurons.
13. Write an essay on the Psychology of Learning.

14. Describe the factors influencing Coding and Decoding.
 15. Explain the role of Memory in Learning Process.
 16. Write an essay on Human Nervous system.
 17. Elucidate the benefits of brain based learning.
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**CERTIFICATE PROGRAMME EXAMINATION
– JULY, 2024.**

Brain Based Learning Techniques

**THEORIES OF LEARNING AND COGNITIVE
STRATEGIES**

Time : 3 hours

Maximum marks : 70

PART A — ($3 \times 3 = 9$ marks)

**Answer any THREE questions out of Five questions in
100 words.**

All questions carry equal marks.

1. Define learning.
2. What is short time memory?
3. Mention the role of memory in learning.
4. What is mean by concept mapping?
5. Define Cognition.

PART B — ($3 \times 7 = 21$ marks)

Answer any THREE questions out of Five questions in
200 words.

All questions carry equal marks.

6. Write short note on Bruner's theory of learning.
7. Write briefly on Human Brain Biology.
8. Explain Social Cognition.
9. Elucidate the types of memory.
10. Write short notes on Bandura's social cognitive theory.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions out of Seven questions in
500 words.

All questions carry equal marks.

11. Explain Trial and Error learning theory of E.L. Thorndike.
12. Write the difference between short-time memory and long-time memory with examples.
13. Explain the concept of learning neural networks and applications of neural networks.

14. Write an essay on basics of Memory Retrieval.
 15. Explain Michael Pressley's meta cognitive theory.
 16. Write an essay on Human cognition and computer functioning.
 17. Explain on Construal Level spectrum (CL) :
Real-time monitoring of changes.
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