13/10/25

TM253413F

Reg. No :.....

Name :

MASTER'S DEGREE (C.S.S) EXAMINATION, OCTOBER 2025

2024 ADMISSIONS REGULAR

SEMESTER III - CORE COURSE

CD3C10TM20 - Brain Development and Stimulation in Early Years

Time : 3 Hours

Maximum Weight : 30

Part A

I. Answer any Eight questions. Each question carries 1 weight (8x1=8)

1. Define laterality of brain.
2. Explain the parts of the brain.
3. Define a developmental milestone and enumerate its importance.
4. Enumerate the motor developmental milestones to be accomplished by a 6 month child.
5. Write a note on the role of special educator in the assessment and remediation of children with developmental delay.
6. Define special education.
7. Enumerate the risk factors of over stimulation.
8. Justify the need for early stimulation in the current scenario.
9. Tabulate toys on the basis of their age appropriateness, mode of usage and its benefits.
10. Enlist the intervention strategies followed to stimulate creeping and crawling in a child with developmental delay.

Part B

II. Answer any Six questions. Each question carries 2 weight (6x2=12)

11. Define synapse and explain its formation and functions.
12. What are meninges? How are they significant?
13. Does age and stress of the mother influence the developing brain of the baby? Justify with suitable research findings.
14. List out and explain the 10 commandments of assessment.
15. Discuss the factors affecting the holistic development of a child.
16. Explain in detail about the technique of massaging and its significance.
17. What are the strategies adopted to deal with a child who does not depict joint attention and pointing behaviours.
18. Point out the signs and symptoms of visual abnormalities in children.

Part C

III. Answer any Two questions. Each question carries 5 weight (2x5=10)

19. Discuss in detail about the stages of brain development in the prenatal period.
20. Discuss in detail on the teratogens that affect the brain of the unborn child.
21. Enumerate the goals and activities set by occupational therapists for children with hyper and hypotonia.
22. Explain in detail about the approaches that should be taught to a parent having a child who needs stimulation with suitable examples.