

Assignments

Master of Health Science in Clinical Child Development (MHSc. CCD)

I Year 6th Batch

Instructions to candidates :

- 1) Mention your Name, Enrolment No. and Name of the course on the facing sheet.
- 2) All assignments are compulsory.
- 3) Each assignment carries 5 marks.
- 4) The assignment has to be neatly hand written and should be spiral bound. No machine typed assignment will be accepted.
- 5) The title of each paper should be specifically mentioned in the corresponding facing sheet.
- 6) Each topic should be written separately as each one carries individual marks.
- 7) All eight papers should be bound in one volume with the topics clearly mentioned.
- 8) There should be an index page with page numbers
- 9) Assignments should be submitted on or before 29.12.2014

Paper I - Pregnancy and Child birth

1. "Intrauterine infection refers to the pathogen-induced fetus infections through vertical transmission during pregnancy". Discuss in detail the common pathogens involved in this infections, birth defects caused, diagnostic modalities and preventive strategies.
2. What is Down syndrome? Discuss in detail the genetic basis of Down Syndrome. Elaborate the antenatal Diagnostic Techniques for identifying the syndrome.
3. Elaborate the postnatal care for mothers, who undergo vaginal delivery and caesarian section delivery. Discuss the importance of antenatal and postpartum exercise for mother. What are the relative and absolute contraindications for aerobic exercise during pregnancy?

Paper II- Developmental Neurology

1. "Neural tube defects (NTDs) are common complex congenital malformations resulting from failure of the neural tube closure during embryogenesis". What are the commonly seen Neural Tube Defects (NTDs) and the screening techniques? Discuss the preventive strategies.
2. Discuss the etiology, significance and neurological sequelae of hypoglycemia in the newborn baby.
3. Write in detail the structure of brain with the help of a diagram. Discuss the functions of the twelve pairs of cranial nerves, which are numbered from anterior to posterior, according to their attachments to the brain

Paper III - Early Detection of Developmental Delay

1. Discuss development of teeth in infants, toddlers and children up to 18 years. What are the teeth abnormalities seen during this period? Elaborate on the preventive strategies of caries tooth.
2. How can you identify visual abnormalities among infants and children? Discuss the common refractive errors.
3. Discuss the importance of early detection of developmental delay for prevention or amelioration of childhood disabilities. Write in detail about the role of primitive reflexes and postural reactions in the identification process of childhood disability.

Paper IV - Early Intervention for Developmental Delay

1. Write in detail about the CDC model of Early Interventional therapy for infants with developmental delay.
2. How will you organize a Neonatal Neurodevelopmental Follow up Programme in a multispecialty hospital? Your project proposal should have the aim, objectives, human resources, infrastructure, equipments etc. required for the same. The budget should include initial expenditure and the recurring expenditure.
3. “Neuro Developmental Treatment, also known as Neuro Developmental Therapy or NDT, is a philosophy of treatment that was developed to help children and adults with neuromotor disorders like Cerebral Palsy or traumatic brain injuries”. Discuss the basic hypotheses of Neuro-Developmental Treatment and Sensory Integration.

Paper V - Developmental psychology

1. Discuss the physical, cognitive and socio-emotional development of early and middle adolescent period.
2. Describe the stages of Prenatal Development. Elaborate the factors influencing prenatal development.
3. Discuss in detail the language development in infants and toddlers. What are the risk factors for speech and language delay?

Paper VI - Special Senses and Speech

1. Discuss the anatomy of the ear with the help of a diagram. Elaborate on the physiology of hearing.
2. “The cochlear implant is the most successful of all neural prostheses developed to date”. Discuss in detail regarding cochlear implants and its role in rehabilitation of hearing impaired child. Mention the guidelines for Sruthi Tharangam – the State Cochlear Implantation project for children with Hearing Impairment.
3. What are the different types of voice disorders and the etiology? Discuss in detail about Puberphonia and its psychosocial impact on the quality of life of the individual.

Paper VII - Young People – Adolescents

1. Discuss the etiology, pathophysiology of the three common menstrual disorders: dysmenorrhea, dysfunctional uterine bleeding and premenstrual syndrome.
2. What are the common signs and symptoms of Polycystic Ovary Syndrome (PCOS)? What are the health-risk of women with PCOS?
3. Discuss the common life style diseases or non-communicable diseases. What are the preventive strategies for lifestyle diseases in our state?

Paper VIII - Health Management

1. Discuss the importance of National Health Programmes in ensuring better health care.
2. Define quality. Discuss the various systems and processes for quality improvement in health care organizations.
3. Write in detail about HIV infection in India with special reference to epidemiology and preventive strategies.