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|-----------------------|----------------------------------|
| <b>Subject Title:</b> | <b>MEDICINE-II (Paediatrics)</b> |
| <b>Subject Code:</b>  | <b>1PT1010302</b>                |
| <b>Year</b>           | <b>Third Year</b>                |
| <b>Pre-requisite:</b> | <b>Paediatrics (Section-B)</b>   |

**Objectives:**

At the end of the course the candidate will be able to:

1. Describe normal development and growth of a child, importance of immunization and breast feeding and psychological aspect of development.
2. Describe neuro muscular, musculo skeletal and cardio pulmonary conditions related to immunological conditions, nutritional deficiencies, infectious disease and genetically transmitted conditions.
3. Acquired skill of clinical examination of a neonate / child with respect to neurological, musculoskeletal and respiratory function.

| Teaching Scheme (Hours) |           |       | Evaluation Scheme (Marks) |                     |                     |                     |             |           |
|-------------------------|-----------|-------|---------------------------|---------------------|---------------------|---------------------|-------------|-----------|
| Lecture                 | Practical | Total | Theory(T)                 |                     | Practical(P)        |                     | Total Marks |           |
|                         |           |       | External Assessment       | Internal Assessment | External Assessment | Internal Assessment | Theory      | Practical |
| 40                      | -         | 40    | 25                        | 05                  | -                   | -                   | 30          | -         |

| Subject Contents |                                                                                                                                                                                                                                                                                                                                                                 |             |            |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|
| Sr. No.          | Topic                                                                                                                                                                                                                                                                                                                                                           | Total Hours | Weight (%) |
| 1                | Growth and development of a child from birth to 12 years, including physical, social, adaptive development.                                                                                                                                                                                                                                                     |             |            |
| 2                | The maternal and neonatal factors contributing to high risk pregnancy, the neonate, inherited diseases, maternal infections - viral and bacterial, maternal diseases incidental to pregnancy, induced hypertension, chronic maternal diseases such as heart diseases, renal failure, tuberculosis, diabetes, epilepsy, bleeding in the mother at any trimester. |             |            |
| 3                | Community programmes : International (WHO), national and local, for prevention of poliomyelitis, blindness, deafness, mental retardation and hypothyroidism, the immunization schedule for children.                                                                                                                                                            |             |            |
| 4                | Cerebral Palsy : Etiology - prenatal, perinatal and postnatal causes, pathogenesis, types of cerebral palsy (classification), findings on examination, general examination, examination of C.N.S., musculoskeletal system, respiratory system, G.I. Tract and nutritional status.                                                                               |             |            |
| 5                | Associated defect-Mental retardation, microcephaly, blindness, hearing and speech impairment, squint and convulsions.                                                                                                                                                                                                                                           |             |            |
| 6                | Prevention - Appropriate management of high risk pregnancies, prevention of neonatal and postnatal infections, metabolic problems.                                                                                                                                                                                                                              |             |            |
| 7                | Muscular Dystrophy: Various forms, modes of inheritance and clinical manifestation, physical findings in relation to disabilities, progression of various forms and prognosis, treatment goals in forms which are not fatal.                                                                                                                                    |             |            |

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|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--|
| 8                  | Spinabifida, Meningomyelocele: Development, clinical features - lower limbs, bladder and bowel complications - U.T.I. and hydrocephalus, medical management.                                                                                                                                                                             |           |  |
| 9                  | Still's Disease: Classification, pathology in brief, physical findings, course and prognosis, treatment, prevention and correction of deformity.                                                                                                                                                                                         |           |  |
| 10                 | Acute C.N.S. infections, Classification (Bacterial and Viral), the acute illness, C.N.S. sequelae leading to mental retardation, blindness, deafness, speech defect, motor paralysis, bladder and bowel problems, seizure disorder and specific problems such as subdural effusion, hydrocephalus, pressure sores, feeding difficulties. |           |  |
| 11                 | Normal diet of newborn and child: List dietary calorie, fat, Protein, mineral and vitamin requirement in normal child and in a child with malnutrition. Etiology, findings, and treatment of rickets, vitamin D deficiency and resistant rickets.                                                                                        |           |  |
| 12                 | Lung infections: Clinical findings, complications and medical treatment of bronchiectasis, lung abscess and bronchial asthma.                                                                                                                                                                                                            |           |  |
| <b>Total Hours</b> |                                                                                                                                                                                                                                                                                                                                          | <b>40</b> |  |