



MAHATMA GANDHI UNIVERSITY
of
MEDICAL SCIENCES & TECHNOLOGY
JAIPUR

Syllabus

Master of Occupational Therapy in Paediatrics

2 Year (4 Semester) Postgraduate Degree Course

2023-24

**Recommended by Committee of Courses Occupational Therapy at its meeting held on 03/03/2023
and approved by Academic Council at its meeting held on 28/04/2023.**

Notice

- The university reserves the right to make changes in the Rules / Regulations / Syllabus / Books / Guidelines / Fees-Structure or any other information at any time without prior notice. The decision of the University shall be binding on all.
- The Jurisdiction of all court cases shall be Jaipur Bench of Hon'ble Rajasthan High Court only.

**RULES & REGULATIONS OF
MASTER OF OCCUPATIONAL THERAPY IN PAEDIATRICS (MOT)**

PROGRAM CODE: MOT-23

2 Years (4 Semester) Postgraduate Degree Course

1. INTRODUCTION:

Occupational Therapy is a holistic evidence-based client-centered first contact and/ or referral profession of modern health care system, based on science of occupation, with primary focus on purposeful goal-oriented activity/occupations, enhanced with the use of latest technological systems for evaluation, diagnosis, education and treatment of the patients (clients) of any age group, whose function(s) is (are) impaired by physical, psychosocial and cognitive impairments, development disorders, or the ageing process affecting their quality of life, with the aim to prevent disability, promote health & well-being and return to optimum occupational roles.

Specific occupational therapy services include but are not limited to preventive health education, assessment and interventions in ADLs, work and productive activities, play, leisure, and spiritual activities; functional capacity analysis, prescription, designing, and training in the use of assistive technology, adaptive equipment & splints, and environmental modifications to enhance functional performance.

An occupational therapist is defined as a person who "assists people across the lifespan in engaging in the activities they want and need to do through the therapeutic use of everyday activities (occupations). Common occupational therapy interventions include assisting children with disabilities in engaging fully in school and social situations, assisting those recovering from injuries in regaining skills, and assisting older adults who are going through physical and cognitive changes.

GOALS OF THE COURSE:

The Master of Occupational Therapy course is intended to help prepare students for assumption of responsibility in positions of leadership in Occupational Therapy as:

- 1) Preparation of a postgraduate student towards his/her professional autonomy with self-regulating discipline at par with global standards.
- 2) Formation of base of the professional practice by referral as well as first contact mode using evidence-based practice.
- 3) Imparting research basis in order to validate techniques & technology in practice to Occupational Therapy.
- 4) Acquainting a student with concept of quality care at the institutional as well as the community levels.
- 5) Inculcation of appropriate professional relationship in multidisciplinary set up, patient management and co-partnership basis.
- 6) Preparation of students to address problems related to health education and community Occupational Therapy.
- 7) Practising the concept of protection of rights of the community during referral as well as first contact practice.
- 8) Incorporation of concept of management in Occupational Therapy.
- 9) Experience in clinical training and undergraduate teaching partly.

10) Providing the honest, competent and accountable Occupational Therapy services to the community.

COURSE OUTLINE:

- 1) The Master Degree in Occupational Therapy is a two-year full-time program consisting of classroom teaching, self-academic activities and clinical posting.
- 2) In Part-I MOT, theoretical basis of Occupational Therapy is refreshed along with research methodology, Education technology and biostatistics. The students are rotated in all areas of clinical expertise during this period. They are required to choose their study for dissertation and submit a synopsis.
- 3) In Part-II MOT, the students will be posted in their area of specialty.
- 4) They are required to complete and submit their dissertation. The learning program includes seminars, journal reviews, case presentations, case discussions and classroom teaching. Some of the clinical postings are provided at other reputed centres in the country in order to offer a wider spectrum of experience.
- 5) The students are encouraged to attend conference, workshop & seminar to enhance their knowledge during the course of study. University examinations are held at the end of first year and at the end of second year.

LEARNING ACTIVITIES:

- Self-learning, use of computers and library
- Participation in departmental activities;
- Journal review meetings
- Seminars
- Clinical presentation
- Special clinics
- Community work, camps/ field visit
- Clinical rounds
- Dissertation work
- Participation in conference
- Any other specify (e.g. containing occupational therapy education)
- Rotation and posting in Department

2. TITLE OF THE COURSE:

Master of Occupational Therapy (M.O.T.)

3. SPECIALIZATION:

Master of Occupational Therapy in Paediatrics

4. DURATION OF THE COURSE:

The duration of Master of Occupational Therapy (M.O.T) course shall be 2 two continuous academic years (4 Semester) on a full time basis in each specialization.

5. MEDIUM OF INSTRUCTION:

English shall be the medium of instruction for all the subjects of study and for examination of the course.

6. ELIGIBILITY:

A Candidates seeking admission to degree in Master in Occupational Therapy (M.O.T) must have completed the degree of Bachelor of Occupational Therapy (B.O.T) including 6 months compulsory internship from any recognized institute or university in India or a degree of a foreign university recognized as equivalent with at least 50% marks in aggregate.

7. PROCESS OF ADMISSION:

Admission to MOT program shall be made on the basis of written entrance examination conducted for the purpose.

8. RESERVATION POLICY:

Reservation in admissions shall be applicable as per policy of the State Government.

9. ATTENDANCE:

Minimum 75 % attendance is required in each Semester, both for theory and practical classes separately, student with deficient attendance will not be permitted to appear in End of Semester Examination (EoSE).

10. WORKING DAYS:

Each semester shall consist of not less than 130 working days including examination.

11. SYLLABUS:

The curriculum and the scheme of examination for the course shall be as prescribed by the University from time to time.

12. COMMENCEMENT OF THE COURSE:

The Course shall commence from the 1st August of every Academic year.

13. ENROLMENT:

Every candidate who is admitted to Master of Occupational Therapy Degree Program in Mahatma Gandhi Occupational Therapy College shall be required to get himself/herself enrolled with the Mahatma Gandhi University of Medical Sciences & Technology (MGUMST) after paying the prescribed eligibility and enrolment fees.

A candidate shall deposit enrolment fees along with tuition fees at the time of his/her admission to the course. Such a candidate who fails to submit, to the college Principal, duly filled enrolment form along with original documents including migration certificate required for enrolment within prescribed period then after he/she shall pay late fee applicable at that time. No student will be allowed to appear in the End of Semester Examination (EoSE) without his/her enrollment.

14. REGISTRATION:

A candidate admitted to this course shall register with this University by remitting the prescribed fee along with the application form for registration duly filled in and forwarded to the University through the Principal of the College within the stipulated time.

15. GUIDE:

Criteria for recognition of MOT teacher / guide:

- Guide should be at least Assistant Professor having qualification of MOT / M.Sc. (OT) in the concern subject/ Specialty.
- The guide student ratio should be 1:5

16. CHANGE OF GUIDE:

In the event of registered guide leaving the college for any reason or in the event of death of guide, guide may be changed with prior permission from the University.

17. DISSERTATION

- Every candidate pursuing MOT degree course is required to carry out work on a selected research project under the guidance of a recognized postgraduate teacher. The results of such a work shall be submitted in the form of dissertation.
- The dissertation is aimed to train a graduate student in research methods and techniques. It includes identification of a problem, formulation of a hypothesis search and review of literature getting acquainted with recent advances, designing of a research study, collection of data, critical analysis, and comparison of results and drawing conclusions.
- Every candidate shall submit to the Registrar of university in the prescribed Performa, a synopsis containing particulars of proposed dissertation work beginning of second semester. The synopsis shall be sent through the proper channel i.e., the Principal of the College. Before submitting the synopsis, it shall be ensured by the Principal of the College that it has been cleared by the Ethics Committee (DRC & IEC). The university will register the dissertation topic. No change in the dissertation topic or guide shall be made without prior approval of the university.
- Guide will be only a facilitator, advisor of the concept and responsible in correctly directing the candidate in the methodology and not responsible for the outcome and results.

The dissertation should be written under the following headings.

1. Introduction
2. Aims or objectives of study
3. Review of literature
4. Material and methods
5. Results
6. Discussion
7. Conclusion
8. References
9. Appendices

The written text of dissertation shall not be less than 50 pages and shall not exceed 100 pages excluding references, tables, questionnaires and other annexure. It should be neatly typed in double line spacing on one side of paper (A4 size, 8.27” x 11.69”) and bound properly maroon color with golden color typed. Spiral binding should be avoided. The Guide and Principal of the College shall certify the dissertation.

- Four copies of dissertation thus prepared shall be signed by the candidate and the guide and then submitted for evaluation to the principal of the college, one month before the commencement of final theory paper End of Semester Examination (EoSE).
- The dissertation shall be examined by minimum of two examiners one Internal and one External.

- Evaluation of the dissertation would be done jointly by the external and internal examiners, who will be appointed by the President of University.
- The examiners appointed for the practical shall also evaluate dissertation and take viva-voice based on the dissertation of the candidate to assessing depth of knowledge, logical reasoning, confidence & oral communication skill. Special emphasis shall be given to dissertation work during the semester-IV MOT course.
- The marks of viva-voice examination shall be included in the clinical examination.
- A candidate will be required to secure minimum 50% marks to pass viva-voice examination of dissertation.
- Even if the candidate fails in the Theory/Practical End of Semester Examination (EoSE) his / her dissertation marks shall still be carried over to the subsequent examinations.

18. CONDUCTION OF THE END OF SEMESTER EXAMINATION (EOSE):

University semester examination shall be conducted twice in a year with an interval of six months. Even semester examination shall be conducted after 6 months of odd semester examination.

19. ELIGIBILITY TO APPEAR FOR END OF SEMESTER EXAMINATION (EOSE):

Student is required to have minimum 75% attendance (in theory and practical separately), to make him/her eligible to student failing in one or more, subject in a semester will be required to appear in their failing subject in the next examination of the same semester next year.

A candidate will have to clear all the subjects of First to Third semester before appearing at Fourth End of Semester Examination.

20. PAPER SETTER/EXAMINER:

- All the examiners - Paper setters, Theory examination answer books evaluators, Internal and External Examiners for Practical examinations shall be appointed by the President of the University from the panel submitted by Principal/Convenor of the respective COC through concern dean of the faculty.
- Paper setters shall be external examiner who will assess the answer sheets of their respective papers.
- Qualification of the Paper setter / Examiner (Internal/external)
(All examiners should possess at least masters qualification in relevant field of necessary and examiner shall be a teaching or non-teaching staff in a medical college)
 - i. Assistant professor and above with at least 3 years of working experience (Clinical or academic)
 - ii. Tutor/demonstrator with at least 5 years of working experience (Clinical or Academic)
 - iii. Occupational therapist and above with at least 8 years of working experience (Clinical or Academic)

21. SCHEME OF EXAMINATION:

- The End of Semester Examination (EoSE) (End of Semester Examination or EOSE) for the Course shall be conducted semester wise at the end of every semester.
- There shall be four semester examinations of (semester I, II, III & IV) Course in two academic years.
- A candidate who has completed a regular course of study prescribed for semester I, II, III for one academic year shall be eligible to appear at semester IV examination.
- A candidate failing in any number of subjects at the 1st semester examination shall be allowed to appear in the failing subjects at the ensuing next semester examination.

- A candidate who has not passed even a single subject (theory & practical) in a semester I, II, III examination shall not be promoted to semester IV.
- A candidate who has passed one or more subject(s) of semester I, II, III examination will be promoted to semester IV course. After completion of regular course of study for one semester of MOT course he/she shall be eligible for semester IV examination only after passing all the due papers of semester I, II, III i.e. a candidate shall be eligible to appear for semester IV examination only when all the prescribed papers of semester I, II, III examination have been passed by him/her, even if he/she has attended all the theory and practical classes of semester IV.
- A candidate will be permitted to avail any number of attempts to pass all the papers of semester I, II, III & IV course but he/she will be required to complete the entire MOT course within four years of his/her admission to MOT course.

I. INTERNAL ASSESMENTS (Continuous Assessment)-

- There shall be two Continuous Assessment (CA) Examinations in each semester in theory and practical at the college level. These shall carry 30% of total marks assigned to Theory and Practical Examination.
- Candidates failing to secure 40% marks in the aggregate of two Continuous Assessment (CA) tests in any subject shall not be allowed to appear in concerned subject (s) in the ensuing university semester examination.
- Two Continuous Assessment (CA) examinations will be held in each subject (Theory and Practical separately) before the commencement of the end of semester examination.
- In case the examination forms have already been filled and submitted in the university, the principal will detain such students from appearing in the End of Semester Examination (EoSE) of concerned subject(s). Mode and number of Continuous Assessment (CA) tests will be determined at the level of the principal of the college.
- A candidate may improve his/her Continuous Assessment (CA) marks whenever he/she reappears. In case the candidate does not opt for improvement or doesn't improve, his/her earlier Continuous Assessment (CA) marks would be conveyed by the principal to the university.

A. Theory Examination

Mode of examination: Tests can be taken by the concerned teacher as and when he /she requires, which includes written test, pro seminars, quizzes, assignments, group discussion etc.

B. Practical Examination

Continuous Assessment (CA) of the practical examination is based on the monthly report of the clinical posting obtained from the student, case discussions held from time to time and practical examination held in respective ward

Distribution of Practical Marks

Question type	Marks Distribution
Case Demonstration on Patient/ Model (1 Long Case & 1 Short Case)	10
Practical Record Book + Seminar Presentation	10
Viva	10
Total Marks	30

C. Oral Examination

Marks of the Continuous Assessment (CA) will be given on the basis of the oral exam conducted after the practical examination.

II. UNIVERSITY SEMESTER EXAMINATION: (End of Semester Examination) EoSE

At the end of every academic semester, after completion of the course of study there shall be University end Semester theory and practical examination. These shall carry 70% of total marks assigned to Theory Examination.

A. Theory:

Paper carrying 70 Marks:

Long answer (essay type) questions (2 out of 4) $2 \times 15 = 30$

Short answer questions (4 out of 8) $8 \times 5 = 40$

Distribution of Theory Marks

Question Type	Total No of Questions	Questions Need to be attempted	Marks per Question	Total Marks
Long answer Essay Type questions	4	2	15	30
Short answer questions	10	8	5	40
Total Marks	-	-	-	70

B. Practical Examination including viva-voce:

- These shall be related to assessments, investigations and occupational therapy management. The End of Semester Examination (EoSE) shall carry 70% of total marks assigned to practical including viva-voce.
- Mode of examination: long case assessment, short case, written, Demonstration, Investigations & Viva
- Examiners: 02 (One internal and one external from the panel of Examiners from University)

Paper Carrying 70 marks

Distribution of Practical Marks

Question type	Marks Distribution
Case Demonstration on Patient/ Model (1 Long Case & 1 Short Case)	20
Practical Record Book + Seminar Presentation	20
Viva	30
Total Marks	70

C. DISSERTATION

Mode	Presentation and viva voce
Examiners	02 (One internal and one external from the panel of examiners from the university)

22. RESULT:

CRITERIA FOR PASS:

In order to pass an examination a candidate must secure 50% marks in each theory subject (inclusive of Continuous Assessment (CA)) and practical (inclusive of Continuous Assessment (CA)) & Dissertation viva-voce separately.

23. GRACE MARKS:

No grace marks will be awarded in University Postgraduate examinations.

24. REVALUATION/SCRUTINY

Revaluation of answer books is not permissible. Scrutiny of marks in any number of papers/subjects shall be permissible as per University Rules.

25. SUPPLEMENTARY EXAMINATION:

There shall be a supplementary examination of IV semester only within two months of the declaration of the result of the main examination of IV Semester.

26. PROMOTION TO THE NEXT SEMESTER

1. A candidate who has passed or failed in one or more subjects shall be promoted to respective next semester.
2. A candidate will be allowed to appear for the IV semester examination only when the backlog of all papers (theory papers and practical) of I semester to III semester exams including elective papers (if any) is cleared.

27. AWARD OF DEGREE

The candidate shall be awarded a degree only when he/she has earned a total of ----- credit of the program on successful completion of all the courses and the submission and approval of the dissertation

Table 1: Grades and Grade Points:

Letter Grade	Grade Point	Percentage of Marks
O (Outstanding)	10	100%
A+ (Excellent)	9	90-99.99%
A (Very Good)	8	80-89.99%
B+ (Good)	7	70-79.99%
B (Above Average)	6	60-69.99%
C (Average)	5	50-59.99%
F (Fail)/ RA (Reappear)	0	0 Less than 50%
Ab (Absent)	0	0 Absent

Grades Qualifying for Pass:

Theory and Practical Examination

1. **Minimum 5 Grade** in the End of Semester Examination (EoSE) and **5 Grade** in Continuous Assessment (CA) evaluated by the department are required to pass **who fails to obtain 5 Grade shall be declared failed.**
2. A student obtaining **Grade F** shall be considered **failed** and will be required to reappear in the examination.
3. Letter Grade **Ab (Absent)** will be showing the absent of the candidate in examination and will be required to reappear in the examination.

Credit Weightage Distribution (%)

Item	Credit Weight (%)
Continuous Assessment (CA)	
Class participation/presentation, study records	10.00%
Assignment, quizzes and summer training report	10.00%
Departmental Postings, case studies, project reports	10.00%
End of Semester Exam (EoSE)	
70.00%	
Total	100%

28. AUTHORITY TO ISSUE TRANSCRIPT;

The Controller of Examination of the University shall be the authority for issuing transcript after receiving the described fee from the candidate.

29. WORKING HOURS/DAYS

Duration	2 Years (4 Semesters)
Working Days	6 Days in A Week
Working Hours	42 Hours in A Week

30. TYPES OF COURSES IN MOT: -

1. **Core Course**-course designed under this category aim to cover the basics that a student is expected to imbibe in the discipline of M.O. T. A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.
2. **Elective Course**-it is a course which can be chosen from a pool of courses it is specific or specialized or advanced or supportive to the discipline of M.O.T Students have to **CHOOSE ANY ONE COURSE IN EACH SEMSTER** from the pool of course given to that semester.
3. **Ability Enhancement Courses (AEC) /Practical:** The Ability Enhancement (AE) Courses or practical are the courses based upon the content that leads to Knowledge enhancement. They are skill-based and are aimed at providing hands-on-training, competencies, skills, etc.

31. Computation of SGPA and CGPA

The UGC recommends the following procedure to compute the Semester Grade Point average (SGPA) and Cumulative Grade Point Average (CGPA):

- I. The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e

$$\text{SGPA (Si)} = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

where C_i is the number of credits of the i th course and G_i is the grade point scored by the student in the i th course.

- II. The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a program, i.e.

$$\text{CGPA} = \frac{\sum(C_i \times S_i)}{\sum C_i}$$

where S_i is the SGPA of the semester and C_i is the total number of credits in that semester.

The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts. Illustration of Computation of SGPA and CGPA and Format for Transcripts

- i. Computation of SGPA and CGPA

Illustration for SGPA

Course	Credit	Grade letter	Grade point	Credit Point (Credit x Grade)
Course 1	5	A	8	5X8=40
Course 2	5	B+	7	7X5=35
Course 3	4	B	6	6X4=24
Course 4	5	O	10	10X5=50
Course 5	8	C	5	8X5=40
Course 6	2	B	6	2X6=12
	29			201

Thus, $\text{SGPA} = \frac{201}{29} = 6.93$

Illustration for CGPA

Semester 1	Semester 2	Semester 3	Semester 4
Credit: 29 SGPA: 6.93	Credit: 29 SGPA: 6.93	Credit: 29 SGPA: 6.93	Credit: 29 SGPA: 6.93

Thus, $\text{CGPA} = \frac{29 \times 6.93 + 29 \times 6.93 + 29 \times 6.93 + 29 \times 6.93}{116} = 6.93$

32. VACATION:

The Principal of the College may declare vacation in an academic year to the students as per the academic calendar.

33. CLINICAL TRAINING:

The candidate has to undergo the compulsory clinical training over the span of four semesters from the recognized institution/hospital

34. LOG BOOK/WORK DIARY:

- Every candidate shall maintain a work diary and record his/her participation in the training programs conducted by the department such as clinical training, case studies, general reviews, seminars, etc.
- Special mention maybe made of the presentations by the candidate as well as details of the nickel or laboratory procedures, if any conducted by the candidate. The work diary shall be scrutinized and certified by the head of the department and head of the institution and presented in the End of Semester Examination (EoSE).

Recommended Teaching Hours of Instruction for each subject

M.O.T. (I- Semester) Examination- Core Course

Course Code	Subject	Theory	Practical	Total	Hours/Week	Credit
MOT0323S101	Basic Sciences – General Anatomy & Physiology	45	60	105	5	3+2=5
MOT0323S102	Application of Statistical Methods & Research Procedure	45	60	105	5	3+2=5
MOT0323S103	Advance Occupational Therapy Process and Practice in Rehabilitation -I	60	-	60	3	4
MOT0323S104	Occupational Therapy Process and Practice - I	45	60	105	5	3+2=5
	Clinical Training	-	240	240	12	8
	Total	195	420	615	30	27

Elective Course (Elect any one)

Elective Code	Subject	Theory	Practical	Total	Hours/Week	Credit
MOT0323S105	Legal Issues and Professional Ethics	30	-	30	02	2
MOT0323S106	Wheelchair Service & Training	30	-	30	02	
MOT0323S107	Diagnostic Radiology	30	-	30	02	
	Total	30	-	30	02	2

M.O.T. (II- Semester) Examination Core Course

Course Code	Subject	Theory	Practical	Total	Hours/Week	Credit
MOT0323S201	Basic Sciences – Neuro Anatomy & Neuro Physiology	45	60	105	5	3+2=5
MOT0323S202	Biostatistics & Research Methodology	45	60	105	5	3+2=5
MOT0323S203	Advance Occupational Therapy Process and Practice in Rehabilitation –II	60	-	60	3	4
MOT0323S204	Occupational Therapy Process and Practice-II	45	60	105	5	3+2=5
	Clinical Training	-	180	180	8	6
	Research Proposal/ Synopsis Submission	-	60	60	4	2
	Total	195	420	615	30	27

Elective Course (Elect any one)

Elective Code	Subject	Theory	Practical	Total	Hours/Week	Credit
MOT0323S205	Assistive Technology	30	-	30	02	2
MOT0323S206	Rehabilitation in Oncology	30	-	30	02	
MOT0323S207	Occupational Therapy in Lymphatic Drainage	30	-	30	02	
	Total	30	-	30	02	2

M.O.T. (III- Semester) Examination Core Course

Course Code	Subject	Theory	Practical	Total	Hours/Week	Credit
MOT0323S301	Basics of Occupational Therapy in Paediatrics-I	75	120	195	10	5+4=9
MOT0323S302	Advanced Occupational Therapy in Paediatrics - I	75	120	195	10	5+4=9
	Data Collection/Clinical Training	-	150	150	8	5
	Initiation of dissertation writing and manuscript Preparation	-	120	120	6	4
	Total	150	510	660	34	27

Elective Course (Elect any one)

Course Code	Subject	Theory	Practical	Total	Hours/Week	Credit
MOT0323S303	Swallowing Disorders & Management	30	-	30	02	2
MOT0323S304	NICU Care & Management	30	-	30	02	
MOT0323S305	Sensory and Behavioral Integration in Cerebral Palsy	30	-	30	02	
	Total					2

**M.O.T. (IV- Semester) Examination
Core Course**

Elective Code	Subject	Theory	Practical	Total	Hours/Week	Credit
MOT0323S401	Basics of Occupational Therapy in Paediatrics-II	75	120	195	10	5+4=9
MOT0323S402	Advanced Occupational Therapy in Paediatrics - II	75	120	195	10	5+4=9
	Clinical Training	-	150	150	8	5
	Dissertation Submission and Manuscript Publication	-	120	120	6	4
	Total	150	510	660	34	27

Elective Course (Elect any one)

Elective Code	Subject	Theory	Practical	Total	Hours/Week	Credit
MOT0323S403	Scientific Writing	30	-	30	02	
MOT0323S404	Entrepreneurship	30	-	30	02	
MOT0323S405	An insight to Physical Medicine & Rehabilitation	30	-	30	02	
	Total	30	-	30	02	2

Marks Distribution

M.O.T. (I- Semester) Examination - Core Course

Theory Core Course					
Paper Code	Subject	Credit	End of Semester Exam	Continuous Assessment	Total Marks
MOT0323S101	Basic Sciences – General Anatomy & Physiology	3	70	30	100
MOT0323S102	Application of Statistical Methods & Research Procedure	3	70	30	100
MOT0323S103	Advance Occupational Therapy Process and Practice in Rehabilitation -I	4	70	30	100
MOT0323S104	Occupational Therapy Process and Practice - I	3	70	30	100
Total		13	280	120	400
Practical Core Course					
Paper Code	Subject	Credit	End of Semester Exam	Continuous Assessment	Total Marks
MOT0323S104 P	Occupational Therapy Process and Practice - I	2	70	30	100
Total		2	70	30	100
Elective Course (Elect any one)					
Paper Code	Subject	Credit	End of Semester Exam	Continuous Assessment	Total Marks
MOT0323S105	Legal Issues and Professional Ethics	2	70	30	100
MOT0323S106	Wheelchair Service & Training		70	30	100
MOT0323S107	Diagnostic Radiology		70	30	100
Total		2	70	30	100

Total Marks - 400+100+100= 600

M.O.T. (II- Semester) Examination - Core Course

Theory Core Course					
Paper Code	Subject	Credit	End of Semester Exam	Continuous Assessment	Total Marks
MOT0323S201	Basic Sciences – Neuro Anatomy & Neuro Physiology	3	70	30	100
MOT0323S202	Biostatistics & Research Methodology	3	70	30	100
MOT0323S203	Advance Occupational Therapy Process and Practice in Rehabilitation –II	4	70	30	100
MOT0323S204	Occupational Therapy Process and Practice-II	3	70	30	100
Total		13	280	120	400
Practical Core Course					
Paper Code	Subject	Credit	End of Semester Exam	Continuous Assessment	Total Marks
MOT0323S204P	Occupational Therapy Process and Practice-II	4	70	30	100
Total		2	70	30	100
Elective Course (Elect any one)					
Paper Code	Subject	Credit	End of Semester Exam	Continuous Assessment	Total Marks
MOT0323S205	Assistive Technology	2	70	30	100
MOT0323S206	Rehabilitation in Oncology		70	30	100
MOT0323S207	Occupational Therapy in Lymphatic Drainage		70	30	100
Total		2	70	30	100

Total Marks - 400+100+100= 600

M.O.T. (III- Semester) Examination - Core Course

Theory Core Course					
Paper Code	Subject	Credit	End of Semester Exam	Continuous Assessment	Total Marks
MOT0323S301	Basics of Occupational Therapy in Paediatrics -I	5	70	30	100
MOT0323S302	Advanced Occupational Therapy in Paediatrics - I	5	70	30	100
Total		10	140	60	200
Practical Core Course					
Paper Code	Subject	Credit	End of Semester Exam	Continuous Assessment	Total Marks
MOT0323S301P	Basics of Occupational Therapy in Paediatrics -I	4	70	30	100
MOT0323S302P	Advanced Occupational Therapy in Paediatrics - I	4	70	30	100
Total		8	140	60	200
Elective Course (Elect any one)					
Paper Code	Subject	Credit	End of Semester Exam	Continuous Assessment	Total Marks
MOT0323S303	Swallowing Disorders & Management	2	70	30	100
MOT0323S304	NICU Care & Management		70	30	100
MOT0323S305	Sensory and Behavioral Integration in Cerebral Palsy		70	30	100
Total		2	70	30	100

Total Marks - 200+200+100= 500

M.O.T. (IV- Semester) Examination - Core Course

Theory Core Course					
Paper Code	Subject	Credit	End of Semester Exam	Continuous Assessment	Total Marks
MOT0323S401	Basics of Occupational Therapy in Paediatrics -II	5	70	30	100
MOT0323S402	Advanced Occupational Therapy in Paediatrics - II	5	70	30	100
Total		10	140	60	200
Practical Core Course					
Paper Code	Subject	Credit	End of Semester Exam	Continuous Assessment	Total Marks
MOT0323S401P	Basics of Occupational Therapy in Paediatrics -II	4	70	30	100
MOT0323S402P	Advanced Occupational Therapy in Paediatrics - II	4	70	30	100
	Thesis Viva-Vice				200
Total		8	140	60	400
Elective Course (Elect any one)					
Paper Code	Subject	Credit	End of Semester Exam	Continuous Assessment	Total Marks
MOT0323S403	Scientific Writing		70	30	100
MOT0323S404	Entrepreneurship		70	30	100
MOT0323S405	An insight to Physical Medicine & Rehabilitation		70	30	100
Total		2	70	30	100

Total Marks - 200+400+100= 700

SEMESTER-I

Paper-I - BASIC SCIENCES – GENERAL ANATOMY & PHYSIOLOGY

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Basic Sciences – General Anatomy & Physiology
Course Code	MOTS101T
Course Description	Core Theory
Credit per Semester	3
Hours per Semester	105

Unit-I Work Physiology

1. Principles of exercise
2. Energy expenditure for various activities.
3. Importance of work physiology in O.T

Unit-II General Anatomy

1. Anatomy of upper limb
2. Anatomy of lower limb
3. Anatomy of trunk

Unit -III General Physiology

1. Physiology of respiratory system
2. Physiology of CVS
3. Patho Physiology of respiratory system & CVS

PAPER-II- APPLICATION OF STATISTICAL METHODS & RESEARCH PROCEDURE

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Application of Statistical Methods & Research Procedure
Course Code	MOTS102T
Course Description	Core Theory
Credit per Semester	3
Hours per Semester	105

Part-A

UNIT-1

Introduction to – uses of statistical methods in Occupational Therapy – Measurement, measurement scales, variable and their measurement – Symbolizing data and operations.

Unit-2

Describe methods of presenting statistical data – Learn methods of tabulations; calculation of central tendency and dispersion; linear regression and correlation, presentation of data in diagrammatic and graphic form.

Unit-3

Learn probability and sampling including probability as a mathematical system, population and samples; sampling distribution, sampling methods, surveys in research.

UNIT-4

History of Occupational Therapy research before 1960 & 1960 – present.

UNIT-5

Critiquing of OT studies – Historical studies – review the instruments and tools used –Review studies pertaining to Occupational Therapy education – Occupational Therapy administration and Occupational Therapy Practice.

Part – B

(1) Practical application of research process.

- a) Selection and statement of problem & hypothesis
- b) Review of literature
- c) Selection of research approach
- d) Selection of data gathering and developing the data gathering instrument.
- e) Developing data analysis plan.
- f) Selection of sample

UNIT-1

(1) Conducting the study – implementing the data gathering plan, implementing the data analysis plan.

PAPER – III- ADVANCE OCCUPATIONAL THERAPY PROCESS AND PRACTICE IN REHABILITATION -I

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Advance Occupational Therapy Process and Practice in Rehabilitation -I
Course Code	MOTS103T
Course Description	Core Theory
Credit per Semester	4
Hours per Semester	60

(1) Practice Issues in Occupational Therapy

1. Evidence based practice
2. Administration and leadership
3. Documentation
4. Fiscal management
5. Code of ethics
6. Quality assurance
7. Teaching technology
8. Ergonomic approaches

(2) Occupational Therapy Management Context.

1. Management functions and strategies
2. Prevention of injuries and physical dysfunction
3. Safety issues in health care settings
4. Applications of ergonomics principles
5. Specific clinical intervention to promote occupational functions in:
 - A. General conditions:
 - a) Geriatrics
 - b) Infections in adults
 - c) Wellness programme
 - d) Hospice care
 - e) Psychosocial aspects of women and child health
 - f) Community based rehabilitation
- 6 OTPF- Occupational Therapy Practice Framework
- 7 ICF-International Classification of Functioning
- 8 Formation of scales, tools & Questionnaires or Batteries

PAPER – IV- OCCUPATIONAL THERAPY PROCESS AND PRACTICE-I

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Occupational Therapy Process and Practice-I
Course Code	MOTS104T
Course Description	Core Theory
Credit per Semester	3
Hours per Semester	45

- (1) Cardio – respiratory rehabilitation related to:
1. Cardiac and pulmonary conditions
 2. Industrial health
 3. Strength training and work fitness in athletics
 4. Energy conservation and work hardening
- (2) Neurosciences related to
1. Cognitive rehabilitation
 2. Neuropathological conditions
 3. Neurodegenerative disorders

Practical

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Occupational Therapy Process and Practice-I
Course Code	MOTS105P
Course Description	Core Practical
Credit per Semester	2
Hours per Semester	60

PAPER- V- LEGAL ISSUES AND PROFESSIONAL ETHICS

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Legal Issues and Professional Ethics
Course Code	MOTAECC01
Course Description	Elective Theory
Credit per Semester	2
Hours per Semester	30

1. Healthcare Delivery System in India

- Healthcare delivery system in India at Primary, Secondary and Tertiary level
- Community participation in healthcare delivery system
- Health system in Private Sector
- National Health Mission
- National Health Policy
- National Five-year plans
- Issues in Health Care Delivery System in India

2. Professional Issues

- Registration and the Role of the Statutory Bodies (WCPT, State Council, IAP)
- Professional Conduct and Ethics
- Education and the Occupational therapist

3. Patient-Centered Care

- Rights of Patients
- Consent and Information Giving
- Confidentiality and Privacy
- Access to Records and Information

4. Professional Accountability

- Direction and supervision
- Liability, Negligence, Malpractice

5. Legal Framework

- Definition and approach to Medicolegal case
- Medical Litigation Issues: Plaintiff and Defendant perspectives
- Professional Indemnity for Occupational therapy Practitioners

PAPER-VI- WHEELCHAIR SERVICE & TRAINING

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Wheelchair Service & Training
Course Code	MOTAECC03
Course Description	Elective Theory
Credit per Semester	2
Hours per Semester	30

1. Assessing a wheelchair user to identify the best possible mobility Solution
2. Problem solving to identify simple modifications to the wheelchair that can help to ensure the best fit
3. Training of wheelchair users to make the best use of their wheelchair carrying out follow up
4. Basic wheelchair repair and maintenance
5. How to fabricate a foam contoured cushion

PAPER -VII- DIAGNOSTIC RADIOLOGY

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Diagnostic Radiology
Course Code	MOTAECC05
Course Description	Elective Theory
Credit per Semester	2
Hours per Semester	30

Unit-I

Radiological studies in musculoskeletal, neurological, cardiovascular and respiratory conditions.

Unit-II

Basic principles of X-rays, instrumentation, observations related to musculoskeletal, neurological and cardiovascular and respiratory conditions

Unit-III

Ultrasonography- Principles, instrumentation, observations in vascular disorders, gynecological conditions, recent advances in musculoskeletal ultrasonograph.

Unit-IV

CT scan and MRI- Principles, instrumentation and observations related to musculoskeletal, neurological, and cardiovascular and respiratory conditions.

Unit-V

Interventional Radiology

Unit-VI

Practical: Observation and interpretation of radiological investigations related to musculoskeletal, neurological, and cardiovascular and respiratory conditions.

Model Paper

This question paper contains 1 printed page
Semester-I MOT
Code-MOT0323S101

Bas. Sci.

**Semester-I Master of Occupational Therapy
(Main) Examination Year**

Paper – I - Basic Sciences- General Anatomy & Physiology

Time: Three Hours
Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book
All the parts of one question should be answered at one place.
Different part of one question should not be answered at different places in the answer book.
Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- Q1. What are the types of respiratory volumes and capacities? Describe them briefly. 15
- Q2. Describe Co₂ carriage from tissues to lungs. Explain the chemical control of respiration. 15
- Q3. Describe boundaries and contacts of axilla. Describe brachial plexus in details. 15
- Q4. Describe right atrium of heart. Add a note on arterial. 15

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- Q5. Breathing pattern 8
- Q6. Muscles and nerve supply of lower limb 8
- Q7. Respiratory system 8
- Q8. Principal of exercise 8
- Q9. Energy expenditure 8
- Q10. Work physiology 8
- Q11. Brachial Plexus 8
- Q12. Anatomy of Heart 8

Model Paper

This question paper contains 1 printed page
Semester-I MOT
Code-MOT0323S102

App. Stats. Res

**Semester-I Master of Occupational Therapy
(Main) Examination Year**

Paper – II - Application of Statistical Methods & Research Procedure

Time: Three Hours
Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book
All the parts of one question should be answered at one place.
Different part of one question should not be answered at different places in the answer book.
Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | |
|--|----|
| Q1. What is research? Discuss its importance in occupational therapy | 15 |
| Q2. What is sampling? Explain the different types of sampling with examples. | 15 |
| Q3. Discuss the research process in details. | 15 |
| Q4. Discuss the qualitative and quantitative research. Compare and contrast between the two. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | |
|--|---|
| Q5. Review of literature | 8 |
| Q6. Random sampling with examples | 8 |
| Q7. Types of error | 8 |
| Q8. Selection of research approach | 8 |
| Q9. Non-parametric test | 8 |
| Q10. Developing data analysis plan. | 8 |
| Q11. Selection and statement of problem & hypothesis | 8 |
| Q12. Methods of tabulations | 8 |

Model Paper

This question paper contains 1 printed page
Semester-I MOT
Code-MOT0323S103

Adv. OT. Pro

**Semester-I Master of Occupational Therapy
(Main) Examination Year**

Paper – III - Advance Occupational Therapy Process and Practice in Rehabilitation -I

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place.

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | |
|--|----|
| Q1. What is Documentation? Discuss its various type and why it is important in occupational therapy. | 15 |
| Q2. Discuss the role of occupational therapy in Geriatrics | 15 |
| Q3. What is Occupational Therapy Practice Framework? And why it is important for occupational therapy. | 15 |
| Q4. Discuss in detail about setting up of occupational therapy | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | |
|--|---|
| Q5. Code of ethics | 8 |
| Q6. Evidence based practice | 8 |
| Q7. Fiscal management | 8 |
| Q8. PWD's Act | 8 |
| Q9. Hospice care | 8 |
| Q10. Occupational Therapy role in Geriatrics | 8 |
| Q11. International Classification of Functioning | 8 |
| Q12. Community Based Rehabilitation | 8 |

Model Paper

This question paper contains 1 printed page

Semester-I MOT
Code-MOT0323S104

OT. Pro. Pra

Semester-I Master of Occupational Therapy
(Main) Examination Year

Paper – IV - Occupational Therapy Process and Practice-I

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place.

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | | |
|-----|--|----|
| Q1. | What is myocardial infection? Discuss the role of occupational therapy in it | 15 |
| Q2. | What is bronchial asthma? Discuss the role of occupational therapy in it | 15 |
| Q3. | Discuss the industrial rehabilitation in detail | 15 |
| Q4. | Discuss the role of occupational therapy in neurodegenerative conditions. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | | |
|------|--|---|
| Q5. | Memory impairment- occupational therapy management | 8 |
| Q6. | Role of occupational therapy in Parkinsonism | 8 |
| Q7. | Cognitive rehabilitation approaches | 8 |
| Q8. | Role of occupational therapy in NICU | 8 |
| Q9. | Spina bifida and its type | 8 |
| Q10. | Work hardening | 8 |
| Q11. | Energy conservation Techniques | 8 |
| Q12. | Work fitness in athletics | 8 |

Model Paper

This question paper contains 1 printed page
Semester-I MOT
Code-MOT0323S105

Leg. Pro. Eth

**Semester-I Master of Occupational Therapy
(Main) Examination Year**

Paper – V - Legal Issues and Professional Ethics (Elective)

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place.

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | | |
|-----|--|----|
| Q1. | What is level of prevention and describe the health care delivery system in India? | 15 |
| Q2. | What is Patient centered care? Discuss the rights of the patients? | 15 |
| Q3. | Discuss the Role of the Statutory Bodies in detail | 15 |
| Q4. | Describe the issues in health care delivery system in India. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | | |
|------|---|---|
| Q5. | National Health Mission | 8 |
| Q6. | Rights of Patients | 8 |
| Q7. | Malpractice | 8 |
| Q8. | National Health Policy | 8 |
| Q9. | Community participation in healthcare delivery system | 8 |
| Q10. | Definition and approach to Medicolegal case | 8 |
| Q11. | National Five-year plans | 8 |
| Q12. | Professional Indemnity for Occupational therapy Practitioners | 8 |

Model Paper

This question paper contains 1 printed page

Semester-I MOT
Code-MOT0323S106

Wc. Ser. Trag.

Semester-I Master of Occupational Therapy
(Main) Examination Year

Paper – VI - Wheelchair Service & Training (Elective)

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place.

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | |
|--|----|
| Q1. Discuss the Training of wheelchair users and describe the Transfer Techniques? | 15 |
| Q2. Discuss the different methods of Assessing a wheelchair user in detail? | 15 |
| Q3. How to fabricate a foam contoured cushion | 15 |
| Q4. Describe the Basic wheelchair repair and maintenance in detail. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | |
|--------------------------------------|---|
| Q5. Types of Wheelchairs | 8 |
| Q6. Parts of Wheelchair | 8 |
| Q7. Wheelchair Aids | 8 |
| Q8. Importance of Wheelchair in OT | 8 |
| Q9. Mobility solutions | 8 |
| Q10. Wheelchair Modifications | 8 |
| Q11. Wheelchair Fabrication | 8 |
| Q12. Types of wheels in a Wheelchair | 8 |

Model Paper

This question paper contains 1 printed page
Semester-I MOT
Code-MOT0323S107

Diag. Radio

**Semester-I Master of Occupational Therapy
(Main) Examination Year**

Paper – VII - Diagnostic Radiology (Elective)

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place.

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- Q1. What are the principles, instrumentation and observations of CT scan & MRI related to musculoskeletal conditions? 15
- Q2. Enumerate the Radiological studies in cardiovascular and respiratory conditions? 15
- Q3. Discuss the Basic principles of X-rays in detail 15
- Q4. Describe the Ultrasonography- Principles & instrumentation in vascular disorders. 15

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- Q5. Ultrasonography 8
- Q6. X-rays 8
- Q7. MRI 8
- Q8. Radiological investigations in respiratory conditions 8
- Q9. Recent advances in musculoskeletal ultrasonography 8
- Q10. Ultrasonography- gynecological conditions 8
- Q11. Instruments used in neurological conditions 8
- Q12. Interpretation of radiological investigations 8

SEMESTER-II

Paper-I - BASIC SCIENCES – NEURO ANATOMY & NEURO PHYSIOLOGY

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Basic Sciences – Neuro Anatomy & Neuro Physiology
Course Code	MOTS201T
Course Description	Core Theory
Credit per Semester	3
Hours per Semester	105

Unit -I Neuro Anatomy

1. Neuro anatomy of brain
2. Neuro anatomy of Spinal cord
3. Neuron anatomy of peripheral and cranial nerves.

Unit -II Neuron Physiology

1. Neuro Physiology of nervous system
2. Patho physiology of various conditions
3. Functions of nervous system

Unit III Applied Anatomy &Applied Physiology

1. Disorders of nervous system
2. Application in O.T

PAPER-II - BIOSTATISTICS & RESEARCH METHODOLOGY

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Biostatistics & Research Methodology
Course Code	MOTS202T
Course Description	Core Theory
Credit per Semester	3
Hours per Semester	105

PART A

UNIT-1

Learn vital and health statistics including – point and interval estimation for proportion mean; hypothesis testing, sample tests of significance; inferential techniques normal.

UNIT-2

Understand and use of vital and health statistics in the practice of Occupational Therapy. This includes learning sources and methods of collection and recording and computation of commonly used vital and health statistics and estimate population using arithmetic progression method.

UNIT-3

Learn research process and methods including - overviews of scientific methods steps in the research process selection and statement of problem – formulation of Hypothesis– basic principles and methods of research design.

UNIT-4

Learn data collection methods, scales and techniques of psychological measures. Learn reliability, validity and criteria of assessing – measuring the tools; analysis and interpretation of research data, role of computers.

UNIT-5

Qualitative Research Methods:

- (a) Developing the instrument (Delphi technique)
- (b) Focus groups
- (c) Independent interview
- (d) Key informant interview

PART – B

- a) Selection of sample.
- b) Identifying assumptions and limitations of the study
- c) Designing the data gathering plan.
- d) Pilot study.

UNIT-1

Preparing the research report – writing the report – documenting findings– presentation of study for discussion

PAPER – III- ADVANCE OCCUPATIONAL THERAPY PROCESS AND PRACTICE IN REHABILITATION -II

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Advance Occupational Therapy Process and Practice in Rehabilitation -II
Course Code	MOTS203T
Course Description	Core Theory
Credit per Semester	3
Hours per Semester	60

Practice Issues in Occupational Therapy

1. Socio-cultural and spiritual influences in occupational therapy
2. Recent investigative and evaluation procedures.
3. Disability evaluation, applicability of law and legislation.
4. Clinical reasoning
5. Alternative practice models
6. Role of occupational therapist as a consultant
7. Current basis and contemporary approaches in occupational therapy.
8. Advances in computer application in occupational therapy

Occupational Therapy Management Context

- A. Musculoskeletal disorders related to:
 - a) Rheumatology
 - b) Orthopedic conditions
 - c) Hand injuries
 - d) Burns
 - e) Prosthesis and Orthosis
 - f) Trauma Care
 - g) Covid-19 and its residual effects
 - h) Aids for tactile impairment
 - i) Environmental Adaptation

PAPER – IV - OCCUPATIONAL THERAPY PROCESS AND PRACTICE-II

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Occupational Therapy Process and Practice-II
Course Code	MOTS204T
Course Description	Core Theory
Credit per Semester	5
Hours per Semester	105

A Developmental Disability

1. Neonatology
2. Genetic conditions
3. Paediatric neurological conditions
4. Adults with developmental Disability (Women's Health, occupational performance consideration)

B Mental health

Common psychiatric conditions

C Women's Health identifying concerns with regards to occupational therapy profession adolescence, child-bearing years, elderly women.

PRACTICAL

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Occupational Therapy Process and Practice-II
Course Code	MOTS206P
Course Description	Core Practical
Credit per Semester	6
Hours per Semester	180

PAPER-V- ASSISTIVE TECHNOLOGY

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Assistive Technology
Course Code	MOTSEE01
Course Description	Elective Theory
Credit per Semester	2
Hours per Semester	30

1. Introduction to assistive Technology.
2. Human Activity and Assistive Technology (HAAT) Model.
3. Integrated Assistive Technology Service Provision
4. Adaptive Assistive Device Design and Fabrication
5. Seating and Wheeled Mobility: Manual, Motorized Wheelchair and Scooters; various types of cushions
6. ADL, EDL and Environmental Control Systems
7. Augmentative and Alternative Communication System.
8. Computers Accessibility; Software and Hardware Adaptation
9. Status of Assistive Technology Services in India
10. Current Status of Wheelchair Delivery in India.
11. Overview of govt, Schemes for Assistive Devices
12. Overview of status of Manufacturers/Suppliers of Assistive Devices

PAPER-VI-REHABILITATION IN ONCOLOGY

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Rehabilitation in Oncology
Course Code	MOTSEE02
Course Description	Elective Theory
Credit per Semester	2
Hours per Semester	30

- Cancer – Pathophysiology, Medical and surgical management, Staging of cancer, various investigations, and tumor markers.
- Foundation of oncology rehabilitation
- Head and neck cancer rehabilitation
- Breast cancer – surgeries, management, and complications
- Post operative care for oncology patients
- Occupational therapy management of shoulder and scapulothoracic dysfunction in the breast cancer population
- Pelvic, GI and digestive system cancer rehabilitation
- Chemo induced cognitive impairment
- Chemotoxicity and cancer exercise management

PAPER-VII-OCCUPATIONAL THERAPY IN LYMPHATIC DRAINAGE

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Occupational Therapy in Lymphatic Drainage
Course Code	MOTSEE03
Course Description	Elective Theory
Credit per Semester	2
Hours per Semester	30

- Lymphatic system – Anatomy and Physiology
- Primary Lymphatic disorders – Pathophysiology, medical and surgical management.
- Secondary Lymphatic disorders – Pathophysiology, medical and surgical management
- Factors that lead to edema/lymphedema formation
- Lymphedema management - Compression bandages and garments, Skin care, Lymphatic drainage exercises, Specialized massage techniques
- Decongestive Lymphatic Therapy (DLT) - Compression bandages and garments, Skin care and Manual Lymphatic drainage techniques
- Chronic edema of Lower Limb (COLL)
- Occupational therapy management of lymphedema
- Home programme for lymphedema

Model Paper

This question paper contains 1 printed page
Semester-II MOT
Code-MOT0323S201

Bas. Sci. Ant. & Phy.

**Semester-II Master of Occupational Therapy
(Main) Examination Year**

Paper – I - Basic Sciences – Neuro Anatomy & Neuro Physiology

Time: Three Hours
Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book
All the parts of one question should be answered at one place.
Different part of one question should not be answered at different places in the answer book.
Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | | |
|-----|---|----|
| Q1. | What are the functions of Thalamus & Hypothalamus? Describe them briefly. | 15 |
| Q2. | Describe disorders of nervous system and their OT Management. | 15 |
| Q3. | Describe anatomy of spinal cord in details. | 15 |
| Q4. | Describe anatomy of lobes of brain. Add a note on Broadman's areas. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | | |
|------|-----------------------------------|---|
| Q5. | Facial nerve palsy | 8 |
| Q6. | Functions of basal ganglia | 8 |
| Q7. | Spinothalamic tract | 8 |
| Q8. | Stroke | 8 |
| Q9. | Cranial nerves | 8 |
| Q10. | Pathophysiology of Cerebral palsy | 8 |
| Q11. | Brachial Plexus | 8 |
| Q12. | Parkinson's disease | 8 |

Model Paper

This question paper contains 1 printed page
Semester-II MOT
Code-MOT0323S202

Bio. Res. Meth

**Semester-II Master of Occupational Therapy
(Main) Examination Year**

Paper – II - Biostatistics & Research Methodology

Time: Three Hours
Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book
All the parts of one question should be answered at one place.
Different part of one question should not be answered at different places in the answer book.
Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | | |
|-----|---|----|
| Q1. | What is research? Discuss its importance in occupational therapy | 15 |
| Q2. | What is sampling? Explain the different types of sampling with examples. | 15 |
| Q3. | Discuss the research process in details. | 15 |
| Q4. | Discuss the qualitative and quantitative research. Compare and contrast between
The two. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | | |
|------|---|---|
| Q5. | Selection of sample | 8 |
| Q6. | Independent interview | 8 |
| Q7. | Pilot study | 8 |
| Q8. | Formulation of Hypothesis | 8 |
| Q9 | Methods of collection | 8 |
| Q10. | Sample tests of significance. | 8 |
| Q11. | Selection and statement of problem & hypothesis | 8 |
| Q12. | Methods of tabulations | 8 |

Model Paper

This question paper contains 1 printed page
Semester-II MOT
Code-MOT0323S203

Adv. OT. Pro

**Semester-II Master of Occupational Therapy
(Main) Examination Year**

**Paper – III - Advance Occupational Therapy Process and Practice in
Rehabilitation -II**

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place.

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- Q1. What is clinical reasoning? Discuss its various type and why it is important in occupational therapy. 15
- Q2. Discuss the role of occupational therapy as consultant. 15
- Q3. What is Socio-cultural and spiritual influences in occupational therapy 15
- Q4. Discuss in detail about Advances in computer application in occupational therapy 15

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- Q5. Covid-19 and its residual effects 8
- Q6. Hand injuries 8
- Q7. Environmental Adaptation 8
- Q8. Rheumatology 8
- Q9. Trauma Care 8
- Q10. Aids for tactile impairment 8
- Q11. Orthopedic conditions 8
- Q12. Prosthesis and Orthosis 8

Model Paper

This question paper contains 1 printed page

Semester-II MOT
Code-MOT0323S204

OT. Pro. Ptact. -II

**Semester-II Master of Occupational Therapy
(Main) Examination Year**

Paper – IV - Occupational Therapy Process and Practice-II

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place.

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | | |
|-----|--|----|
| Q1. | What is occupational performance consideration for adults with developmental disability? | 15 |
| Q2. | What is schizophrenia? Discuss the role of occupational therapy in it | 15 |
| Q3. | Discuss the various Paediatric neurological conditions in detail | 15 |
| Q4. | Discuss the role of occupational therapy in Neonatology | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | | |
|------|--------------------------------------|---|
| Q5. | Mood Disorders | 8 |
| Q6. | Downs Syndrome | 8 |
| Q7. | elderly women | 8 |
| Q8. | Role of occupational therapy in NICU | 8 |
| Q9. | Spina bifida and its type | 8 |
| Q10. | Women's Health | 8 |
| Q11. | Energy conservation Techniques | 8 |
| Q12. | Women's Health | 8 |

Model Paper

This question paper contains 1 printed page
Semester-II MOT
Code-MOT0323S205

Ass. Tech

**Semester-II Master of Occupational Therapy
(Main) Examination Year**

Paper – V - Assistive Technology (Elective)

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place.

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | | |
|-----|--|----|
| Q1. | What is Augmentative and Alternative Communication System.? | 15 |
| Q2. | Enumerate the various Schemes for Assistive Devices? | 15 |
| Q3. | Discuss the Human Activity and Assistive Technology (HAAT) Model in detail | 15 |
| Q4. | Describe the Status of Assistive Technology Services in India | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | | |
|------|---|---|
| Q5. | ADL | 8 |
| Q6. | Types of cushions | 8 |
| Q7. | Assistive Device Design and Fabrication | 8 |
| Q8. | Types of Wheeled Mobility | 8 |
| Q9. | Integrated Assistive Technology Service Provision | 8 |
| Q10. | Suppliers of Assistive Devices | 8 |
| Q11. | Software and Hardware Adaptation | 8 |
| Q12. | Assistive Technology | 8 |

Model Paper

This question paper contains 1 printed page
Semester-II MOT
Code-MOT0323S206

Rehab. Onco

**Semester-II Master of Occupational Therapy
(Main) Examination Year**

Paper – VI - Rehabilitation in Oncology (Elective)

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place.

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | |
|--|----|
| Q1. What is Pathophysiology, Medical and surgical management of cancer? | 15 |
| Q2. What is Chemo induced cognitive impairment and mention its management. | 15 |
| Q3. Discuss about the Post operative care for oncology patients in detail | 15 |
| Q4. Describe the Head and neck cancer rehabilitation in detail. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | |
|--|---|
| Q5. Radical Mastectomy | 8 |
| Q6. Cancer exercise management | 8 |
| Q7. Staging of cancer | 8 |
| Q8. Oncology rehabilitation | 8 |
| Q9. OT Management in scapulothoracic dysfunction | 8 |
| Q10. Pelvic cancer rehabilitation | 8 |
| Q11. Breast cancer – surgeries | 8 |
| Q12. Tumor markers | 8 |

Model Paper

This question paper contains 1 printed page

Semester-II MOT

Code-MOT0323S207

OT. Lymph. Drain

**Semester-II Master of Occupational Therapy
(Main) Examination Year**

Paper – VII - Occupational Therapy in Lymphatic Drainage (Elective)

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place.

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | |
|--|----|
| Q1. Discuss the Decongestive Lymphatic Therapy (DLT) and its Techniques? | 15 |
| Q2. Discuss the Anatomy and Physiology of Lymphatic system in detail? | 15 |
| Q3. Describe the Occupational therapy management of lymphedema | 15 |
| Q4. Describe the pathophysiology and management of Secondary Lymphatic disorders | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | |
|--|---|
| Q5. Manual Lymphatic drainage techniques | 8 |
| Q6. Factors that lead to edema | 8 |
| Q7. Compression bandages and garments | 8 |
| Q8. Chronic edema of Lower Limb (COLL) | 8 |
| Q9. Specialized massage techniques | 8 |
| Q10. Home programme for lymphedema | 8 |
| Q11. Lymphatic drainage exercises | 8 |
| Q12. Skin care | 8 |

SEMESTER-III

PAPER – I - BASICS OF OCCUPATIONAL THERAPY IN PAEDIATRIC-I

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Basics of Occupational Therapy in Paediatric-I
Course Code	MOTPS301T
Course Description	Core Theory
Credit per Semester	5
Hours per Semester	75

UNIT-1

Principles of human development and maturation

UNIT-2

Developmental theories including:

- a) Psychosexual theory of Freud
- b) Ego psychology of Erikson
- c) Cognitive theory of Piaget
- e) Maslow's humanistic psychology

UNIT-3

The development process from birth to adolescence including physical-fine and gross motor, adaptive, language, personal, social, cognitive-perceptual, play and self-care.

UNIT-4

Review medical aspects of the following conditions - cerebral palsy, muscular dystrophy, spina-bifida, meningomyelocele, Still's disease, lung infections, cardiac conditions, orthopedic problems, arthrogryposis, metabolic bone disease, genetic skeletal dysplasia, mental retardation, nutritional disorder, high risk infant.

UNIT-5

Pediatric health care services in India

- a) Health promotion and well-baby clinics
- b) Acute episodic care
- c) Habilitation and Rehabilitation

UNIT-6

Role of the family in Pediatric Management

UNIT-7

Major theoretical approaches to Pediatric Management:

- a) Neuro-physiological approaches
- b) Reilly-an explanation of play
- c) Llorens – facilitation growth and development
- d) Guilfoyle & Grady – spatiotemporal adaptation
- e) Ayres – sensory integration

PRACTICAL

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Basics of Occupational Therapy in Paediatric-I
Course Code	MOTPS303P
Course Description	Core Practical
Credit per Semester	4
Hours per Semester	120

Seminar / Case presentation / Journal Review

PAPER – II - ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRIC--I

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Advanced Occupational Therapy in Paediatric-I
Course Code	MOTPS302T
Course Description	Core Theory
Credit per Semester	5
Hours per Semester	75

- 1) Basic methods of assessment and screening
 - a) Clinical observation of basic skills
 - b) Clinical observation of the child interacting with the environment
 - c) Interviewing
 - d) History taking
- 2) Methods of evaluating component functions of behavior in children:
 - a) Testing motor function, clinical and other systems of evaluation
 - b) Evaluating hand functions
 - c) Testing sensory processing (integrative) dysfunction
 - d) Testing cognitive and perceptual function
 - e) Methods to evaluate childhood performance skills
- 3) Hand function development and treatment
- 4) Adaptations for independence
- 5) Orthosis and prosthesis in children
- 6) Group therapy for children
- 7) Play and recreational activities
- 8) School based interventions
- 9) Work behavior and vocational development
- 10) Early intervention programmes
- 11) Preventive management in Pediatrics
- 12) The high risk infant – intervention in the NICU and follow-up care

PRACTICAL

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Advanced Occupational Therapy in Paediatric-I
Course Code	MOTPS304P
Course Description	Core Practical
Credit per Semester	4
Hours per Semester	120

Seminar / Case presentation / Journal Review

PAPER-III-SWALLOWING DISORDERS & MANAGEMENT

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Swallowing Disorders & Management
Course Code	MOTDSE07
Course Description	Elective Theory
Credit per Semester	2
Hours per Semester	30

Introduction to Dysphagia

1. Definition of dysphagia
2. Hunger
3. Appetite

Normal Swallowing in Adult

1. Define the key anatomic structure, peripheral and central neurological controls for Swallowing including
2. Brain stem
3. Cortex
4. Cranial nerves
5. Muscles

Discuss the key physiological processes that occur when moving a bolus from the mouth to the stomach.

1. Oral preparatory phase
2. Oral phase
3. Pharyngeal phase
4. Esophageal phase

Understand the major swallowing milestones between birth and 12 months of age

Discuss the different types of swallowing disorders

1. Neurological-Identify dysphagia characteristics related to nervous system involvement.
2. Mechanical
3. Iatrogenic-surgical or medical complications leading to dysphagia
4. Psychogenic

Signs, Symptoms and Complications of dysphagia

Evaluation, Examination of Swallowing Performance

1. Instrumental-Describe the basic components of Video fluroscopic & Endoscopic Swallowing
2. Non-Instrumental-Discuss physical evaluation of swallowing examination

Management of Dysphagia

1. Identify treatment context & considerations for patient with dysphagia
2. Identify steps for formulating effective treatment plans including positioning, oral hygiene feeding techniques, non-oral feeding and diet selection
3. To enable performance and train others in precautions & management techniques.

PAPER-IV-NICU CARE & MANAGEMENT

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	NICU Care & Management
Course Code	MOTDSE08
Course Description	Elective Theory
Credit per Semester	2
Hours per Semester	30

1. Neonatal Intensive Care Unit environment
2. Intrauterine and Extrauterine life of a baby
3. Equipment used in Neonatal Intensive Care Unit
4. Assessment used in Neonatal Intensive Care Unit
5. Assessment/ test/ evaluation/ investigation procedure for high-risk infants
6. Application of Occupational Therapy in Neonatal Intensive Care Unit

PAPER-V-SENSORY AND BEHAVIORAL INTEGRATION IN CEREBRAL PALSY

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Sensory and Behavioral Integration in Cerebral Palsy
Course Code	MOTDSE09
Course Description	Elective Theory
Credit per Semester	2
Hours per Semester	30

- Learning about Sensory Integration in Cerebral Palsy.
- Learning about behavior Integration in Cerebral Palsy.
- Demonstration of sensory integration and sensory motor activities.
- Learning about Motor skills and motor learning activities.
- Enhancement of healthy development of motor planning in children

This question paper contains 1 printed page

**Semester-III MOT
MOT0323S301**

Bas. OT Pead. - I

**Semester-III Master of Occupational Therapy in Paediatrics
(Main) Examination Month Year**

Paper –I-Basics of Occupational Therapy in Paediatrics-I

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2x15=30)

- | | | |
|-----|---|----|
| Q1. | Discuss the psychosexual theory of Freud. | 15 |
| Q2. | Discuss the developmental process patterns from birth to adolescences. | 15 |
| Q3. | Discuss about the cerebral palsy and their Occupational Therapy. | 15 |
| Q4. | Discuss the recent trends in treatment of occupational therapy in pediatrics. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) 5x8=40

- | | | |
|-------|--|---|
| Q5. | Role of family in pediatric management | 8 |
| Q6. | Ayres sensory integration | 8 |
| Q7. | Neurophysiological approach | 8 |
| Q8. | Role of OT in Spina Biafida | 8 |
| Q9. | Arthrogyrosis | 8 |
| Q10. | Mental retardation | 8 |
| Q 11. | Cognative theory of Piaget | 8 |
| Q 12. | Stages of Moral development | 8 |

This question paper contains 1 printed page

Semester-III MOT
MOT0323S302

Adv. OT. Pead. II

**Semester-VII Master of Occupational Therapy in Paediatrics
(Main) Examination Month Year**

Paper – II-Advanced Occupational Therapy in Paediatric-I

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place.

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2x15=30)

- | | | |
|-----|--|----|
| Q1. | Discuss about the basic methods of assessment and screening | 15 |
| Q2. | Discuss about the testing procedure of cognitive and perceptual function | 15 |
| Q3. | Discuss the occupational therapy role in Early Intervention program | 15 |
| Q4. | Discuss the occupational therapy role in high-risk infants | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT)

- | | | |
|------|---|---|
| Q5. | Group Therapy for children | 8 |
| Q6. | Adaption for children | 8 |
| Q7. | Hand functions development and treatment | 8 |
| Q8. | Preventive management in paediatrics | 8 |
| Q9. | Occupational Therapy role in school | 8 |
| Q10 | Occupational Therapy role in Orthotics and prosthetic in children | 8 |
| Q11. | Work behavior and vocational development. | 8 |
| Q12. | Testing of sensory processing dysfunction | 8 |

This question paper contains 1 printed page

**Semester-III MOT
MOT0323S303**

Sw. Dis. & Mgt.

**Semester-III Master of Occupational Therapy in Paediatrics
(Main) Examination Month Year**

Paper –III-Swallowing Disorders & Management

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2x15=30)

- Q1. Define dysphagia and dysphagia management in CVA. 15
- Q2. Define the key anatomic structure, peripheral and central neurological controls in brain stem for swallowing. 15
- Q3. Discuss the neurological identify dysphagia characteristics related to nervous system. 15
- Q4. Discuss about the physiological process of oral preparatory phase. 15

Short answer question (Attempt any FIVE Questions out of EIGHT)

- Q5. Psychogenic disorder. 8
- Q6. Iatrogenic- Surgical or medical complications leading to dysphagia. 8
- Q7. Esophageal phase. 8
- Q8. Basic components of evaluation and examination of swallowing performance.8
- Q9. Mechanical swallowing disorders 8
- Q10. Brief about appetite 8
- Q11. Brief about hunger 8
- Q12. Precautions and management techniques of dysphagia 8

This question paper contains 1 printed page

**Semester-III MOT
MOT0323S304**

NICU. & Mgt.

**Semester-III Master of Occupational Therapy in Paediatrics
(Main) Examination Month Year**

Paper –IV-NICU Care & Management

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2x15=30)

- | | |
|---|----|
| Q1. Role of OT in NICU | 15 |
| Q2. Occupational Therapy assessment of NICU | 15 |
| Q3. Discuss about assessment tools in NICU | 15 |
| Q4. Discuss about the NICU setup | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT)

- | | |
|--|---|
| Q5. Define oromotor stimulation | 8 |
| Q6. Describe Positions in NICU | 8 |
| Q7. Investigation procedure for high-risk infants. | 8 |
| Q8. Discuss about precautions during NICU OT Management. | 8 |
| Q9. Extrauterine changes in the baby | 8 |
| Q10. Feeding intervention in high-risk infants | 8 |
| Q11. Role of OT in sensory stimulation in NICU | 8 |
| Q12. Kangaroo Care management | 8 |

This question paper contains 1 printed page

**Semester-III MOT
MOT0323S305**

Sen. Beh. Int. in CP

**Semester-III Master of Occupational Therapy in Paediatrics
(Main) Examination Month Year**

Paper –V-Sensory and Behavioral Integration in Cerebral Palsy

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2x15=30)

- | | |
|--|----|
| Q1. Role of OT in Cerebral Palsy. | 15 |
| Q2. Occupational Therapy assessment of Cerebral Palsy | 15 |
| Q3. Discuss about the Sensory Integration Therapy in Cerebral Palsy Child. | 15 |
| Q4. Discuss about the Behavioral management techniques used in Cerebral Palsy. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5x8=40)

- | | |
|---|---|
| Q5. Define Motor Learning Techniques in Cerebral Palsy | 8 |
| Q6. Types of Cerebral Palsy | 8 |
| Q7. Positioning Management of Cerebral Palsy child | 8 |
| Q8. Discus about the Healthy development of motor planning in children. | 8 |
| Q.9Define sensory motor activities | 8 |
| Q10.Feeding intervention in high risk infants | 8 |
| Q11. Role of OT in sensory stimulation in NICU | 8 |
| Q12. Kangaroo Care management | 8 |

SEMESTER - IV

PAPER – I - BASICS OF OCCUPATIONAL THERAPY IN PAEDIATRIC--II

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Basics of Occupational Therapy in Paediatric-II
Course Code	MOTPS401T
Course Description	Core Theory
Credit per Semester	5
Hours per Semester	75

UNIT-I

Basic methods of assessment and screening

- a) Screening instruments including standardized tests criterion-reference tests
- b) Commercial tests-
 - i. Apgar score
 - ii. Denver developmental screening test
 - iii. Gessels' developmental scale
- c) Use of checklists

UNIT-2

Methods of evaluating component functions of behavior in children:

- a) Testing psychosocial function
- b) Testing Language and communication
- c) Hand writing evaluation
- d) Behavior evaluation

UNIT-3

Self-maintenance activities:

- a) Eating – oral motor control evaluation and treatment
- b) Toileting
- c) Grooming and hygiene
- d) Mobility including mobility aids

UNIT-4

- a. Occupational Therapy intervention in Children with CP and other developmental disabilities.
- b. Occupational Therapy intervention in Children with mental retardation
- c. Children with learning disabilities and Developmental co-ordination disorders
- d. Burn injured child
- e. Children with seizure disorders
- f. Children with visual & hearing impairment
- g. Children with communication impairment

- h. Death and dying in children
- i. Children with Orthopedics disabilities
- j. Child abuse and neglect
- k. Neural tube defects
- l. Juvenile Rheumatoid Arthritis
- m. Autism
- n. Attention deficit and Hyperactivity disorder
- o. Children with emotional and behavioral disorders including neurosis, depression, suicidal behavior, aggressive behavior dependent child and Schizoid child.
- p. Children with genetic disorders and muscle disorder

PRACTICAL

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Basics of Occupational Therapy in Paediatric-II
Course Code	MOTPS403P
Course Description	Core Practical
Credit per Semester	4
Hours per Semester	120

Seminar / Case presentation / Journal Review

PAPER – II - ADVANCED OCCUPATIONAL THERAPY IN PAEDIATRIC-II

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Advanced Occupational Therapy in Paediatric-II
Course Code	MOTPS402T
Course Description	Core Theory
Credit per Semester	5
Hours per Semester	75

UNIT-1

Developmental theories including:

- Gessels' developmental schedule
- Hanghurst – developmental tasks
- Skinner's theory of radical behaviorism
- Rogers' self theory
- Learning theories

UNIT-2

Current trends in developmental theory:

- Hemispheric specialization
- Interactionism
- Cognition and learning

UNIT-3

Diagnostic problems in Pediatrics

Prenatal problems – birth defects and their causes, the detection and monitoring of high risk pregnancies, fetal diagnostic and intervention procedures, implication for Occupational Therapy

UNIT-4

Pediatric health care services in India

- Community based care
- Preventive Pediatrics
- Screening tests and procedures
- Immunization and Nutrition

UNIT-5

Major theoretical approaches to Pediatric Management:

- Behaviour modification approach
- Conductive education – Peto
- Biomechanical approach
- Activities therapy – including activity analysis for paediatric condition

UNIT-6

Developing trends in treatment of OT in Pediatrics

Seminar / Case presentation / Journal Review

PRACTICAL

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Advanced Occupational Therapy in Paediatric-II
Course Code	MOTPS404P
Course Description	Core Practical
Credit per Semester	4
Hours per Semester	120

PAPER-III-SCIENTIFIC WRITING

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Scientific Writing
Course Code	MOTGEC02
Course Description	Elective Theory
Credit per Semester	2
Hours per Semester	30

Course Study

1. Introduction to medical writing
2. Overview of types of articles
3. Methods of literature search and PubMed search
4. Concept of understanding research problem, article writing and editorial process
5. Journal Selection
6. Reviewing, Editing and Publishing
7. Software used in medical writing a. Referencing software b. Plagiarism Software
8. Guidelines for scientific writing Duties of Author, Authorship dispute, Editor, Reviewer, etc.
9. Publication Ethics, Journal quality and impact assessment of article
10. Documents in Clinical Research Clinical study report Grant proposal writing

PAPER-III-ENTREPRENEURSHIP

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	Entrepreneurship
Course Code	MOTGEC03
Course Description	Elective Theory
Credit per Semester	2
Hours per Semester	30

Course Study

Introduction

- Meaning and Importance
- Evolution of term 'Entrepreneurship'
- Factors influencing entrepreneurship' - Psychological factors, social factors, Economic factor, Environmental factors.
- Characteristics of an entrepreneur, Entrepreneur and Entrepreneur
- Types of entrepreneurs- According to Type of Business, According to Use of Technology, According to Motivation, According to Growth, According to Stages New generations of entrepreneurship viz. social entrepreneurship, Ideapreneurship, Health entrepreneurship, Tourism entrepreneurship, Women entrepreneurship etc.
- Barriers to entrepreneurship

Entrepreneurial Motivation

- Motivation, Maslow's theory, Herzberg's theory, McGregor's Theory, McClelland's Need – Achievement Theory, Culture & Society
- Values / Ethics
- Risk taking behavior

Creativity

- Creativity and entrepreneurship
- Steps in Creativity
- Innovation and inventions- Using left brain skills to harvest right brain ideas, Legal Protection of innovation
- Skills of an entrepreneur
- Decision making and Problem Solving (steps in decision making)

PAPER-IV-AN INSIGHT TO PHYSICAL MEDICINE & REHABILITATION

Name of the Program	Master of Occupational Therapy (MOT)
Name of the Course	An Insight to Physical Medicine & Rehabilitation
Course Code	MOTGEC04
Course Description	Elective Theory
Credit per Semester	2
Hours per Semester	30

Rehabilitation of Central Nervous System Disorders

1. Traumatic brain injury
2. Cerebrovascular disorders
3. Hypoxic brain injury

Spinal Cord Injury and Disorders

1. Immune Mediated & Neurodegenerative Disorder
2. Musculoskeletal & Sports Injury Medicine
3. Medical Rehabilitation
4. Pain & Neuromuscular Medicine Rehabilitation
5. Gynecological & Pediatric Rehabilitation
6. Lifestyle & Metabolic disease Rehabilitation
7. Post-Covid Rehabilitation & role of PM&R in ongoing pandemic

This question paper contains 1 printed page

Semester-IV MOT
MOT323S401

Bas. OT Pead. II

**Semester-IV Master of Occupational Therapy in Paediatrics
Examination Month Year**

Paper –I-Basics of Occupational Therapy in Paediatrics-II

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | | |
|-----|--|----|
| Q1. | Discuss the Basic methods of assessment and screening. | 15 |
| Q2. | Discuss the hand writing evaluation | 15 |
| Q3. | Discuss about methods of Behavior evaluation in children. | 15 |
| Q4. | Discuss the Occupational Therapy intervention in children with CP. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | | |
|-------|--|---|
| Q5. | Role of OT in developmental disorders. | 8 |
| Q6. | Role of OT in burn child. | 8 |
| Q7. | OT intervention in learning disabilities | 8 |
| Q8. | Oro motor evaluation | 8 |
| Q9. | Self-Maintenance activities | 8 |
| Q10. | Apgar score | 8 |
| Q 11. | Goessel's development scale | 8 |
| Q 12. | Role of OT in ADHD Child. | 8 |

This question paper contains 1 printed page

Semester-IV MOT
MOT323S402

Adv. OT Pead. II

**Semester-IV Master of Occupational Therapy in Paediatrics
Examination Month Year**

Paper –II-Advance Occupational Therapy in Paediatrics-II

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | | |
|-----|---|----|
| Q1. | Discuss the behavior modification approach in paediatric management. | 15 |
| Q2. | Discuss the preventive measure in paediatric health care services in India. | 15 |
| Q3. | Discuss about role of Occupational Therapy in high-risk infants. | 15 |
| Q4. | Discuss the developmental theories. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | | |
|-------|--|---|
| Q5. | Interactionism | 8 |
| Q6. | Hemispheric specialization | 8 |
| Q7. | Gessels Developmental schedule | 8 |
| Q8. | Screening test and procedure in health care of paediatrics | 8 |
| Q9. | Peto Conductive education | 8 |
| Q10. | Biomechanical approach | 8 |
| Q 11. | Skinner's theory of radical behaviorism | 8 |
| Q 12. | Activities therapy | 8 |

This question paper contains 1 printed page

**Semester-IV MOT
MOT323S403**

Sci. wrt.

**Semester-IV Master of Occupational Therapy in Paediatrics
Examination Month Year**

Paper –III-Scientific Writing

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | | |
|-----|--|----|
| Q1. | Define Scientific writing and Overviews of Contents of writing. | 15 |
| Q2. | Discuss about Software used in medical writing. | 15 |
| Q3. | Define articles, types and Journal quality and impact assessment of article. | 15 |
| Q4. | Discuss about the publication ethics. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | | |
|-------|-------------------------------------|---|
| Q5. | Methods of Literature search | 8 |
| Q6. | Reviewing of articles | 8 |
| Q7. | Framework of Conceptualization. | 8 |
| Q8. | Guidelines for scientific writing. | 8 |
| Q9. | Documentation in Clinical research. | 8 |
| Q10. | Plagiarism Software | 8 |
| Q 11. | Referencing Software | 8 |
| Q 12. | Journal Selection | 8 |

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**Semester-IV MOT
MOT323S404**

Entp.

**Semester-IV Master of Occupational Therapy in Paediatrics
Examination Month Year**

Paper –IV-Entrepreneurship

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | | |
|-----|--|----|
| Q1. | Define entrepreneurship and evolution of the term of entrepreneurship. | 15 |
| Q2. | Discuss about types of entrepreneurships and their characteristics | 15 |
| Q3. | Define articles, types and Journal quality and impact assessment of article. | 15 |
| Q4. | Discuss about the factors influencing entrepreneurship. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8+40)

- | | | |
|-------|-------------------------------------|---|
| Q5. | Maslow's theory | 8 |
| Q6. | Steps in creativity | 8 |
| Q7. | Skills of entrepreneur | 8 |
| Q8. | Decision making and problem solving | 8 |
| Q9. | Risk taking behavior | 8 |
| Q10. | Barriers to entrepreneurship | 8 |
| Q 11. | Types of enterprenure | 8 |
| Q 12. | Herjburgs theory | 8 |

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Semester-IV MOT
MOT323S405

An Ins. To phy.med.rehab.

**Semester-IV Master of Occupational Therapy in Paediatrics
Examination Month Year**

Paper –V-An Insight to Physical Medicine & Rehabilitation

Time: Three Hours

Maximum Marks: 70

Student shall be allowed to take only one supplementary copy along with one main answer book

All the parts of one question should be answered at one place

Different part of one question should not be answered at different places in the answer book.

Draw diagrams wherever necessary

Long answer question (Attempt any TWO Questions out of FOUR) (2X15=30)

- | | | |
|-----|--|----|
| Q1. | Discuss about the sports injury rehabilitation. | 15 |
| Q2. | Discuss about the Central nervous system. | 15 |
| Q3. | Definer rehabilitation, & role of occupational therapy management in neuro rehabilitation. | 15 |
| Q4. | Discuss about the hypoxic brain injury. | 15 |

Short answer question (Attempt any FIVE Questions out of EIGHT) (5X8=40)

- | | | |
|-------|----------------------------------|---|
| Q5. | Neurodegenerative disorder | 8 |
| Q6. | Post covid rehabilitation | 8 |
| Q7. | Metabolic disease rehabilitation | 8 |
| Q8. | Cerebrovascular disorders | 8 |
| Q9. | Immune mediated disorders | 8 |
| Q10. | Paediatric rehabilitation | 8 |
| Q 11. | Musculoskeletal injuries | 8 |
| Q 12. | Role of PMR in ongoing pandemic. | 8 |