APPENDICES
**APPENDIX - A**

**NEUROPSYCHOLOGICAL TEST**

**DEPARTMENT OF CLINICAL PSYCHOLOGY, NIMHANS**

**HANDEDNESS:**

A. **Personal History:**

B. **Family History:**

3. **Tests for handedness:**

<table>
<thead>
<tr>
<th>Hand</th>
<th>R/L</th>
<th>Score for L</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Eating</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>2. Writing</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>3. Combing</td>
<td></td>
<td>16</td>
</tr>
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<td>4. Specific manual work preference</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>5. Throwing stones or ball</td>
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<td>8</td>
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<tr>
<td>6. Envelop</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>7. Card dealing</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>8. Card shuffling</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>9. Taking matches from box</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>10. Corominas Test</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>
I. Extensibility

II. Needle threading  3

III. Clapping  3

IV. Hand marionettes  3

DAL SCORES:

<table>
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<tr>
<th>Classification</th>
<th>Score</th>
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<tbody>
<tr>
<td>Pure right handed</td>
<td>0</td>
</tr>
<tr>
<td>Strong right handed predominance</td>
<td>1 - 7</td>
</tr>
<tr>
<td>Weak right handed predominance</td>
<td>8 - 15</td>
</tr>
<tr>
<td>Weak left handed predominance</td>
<td>16 - 31</td>
</tr>
<tr>
<td>Strong left handed predominance</td>
<td>32 - 99</td>
</tr>
<tr>
<td>Pure left handed</td>
<td>100</td>
</tr>
</tbody>
</table>

* * * * * *
CLINICAL NEURO - PSYCHOLOGY LABORATORY
DEPARTMENT OF CLINICAL PSYCHOLOGY
NIMHANS
PUBLICATION OF PATIENT'S DATA SHEETS

DATE:

NEURO RECORD NO: -------------------------------

SOURCE UNIT: ---------------------------------

TO BE OPERATED (Approx. Date): ------------------

SECTION - I

NAME: ----------------------------------------

AGE: -----------------------------------------

SEX: -----------------------------------------

EDUCATION: ---------------------------------

OCCUPATION: --------------------------------

Marital Status: -----------------------------

SECTION - II

BRIEF HISTORY OF PATIENT: 

-----------------------------------------------------

-----------------------------------------------------
SECTION-III

C. T. SCAN DATE:

C. T. RECORD NO:

C. T. SCAN RESULTS:

(i) SITE OF THE LESION:
   A. LEFT/RIGHT HOMISHPERE
   B. ORBITO-FRONTAL CORTEX
   C. DORSOLATERAL FRONTAL CORTEX
   D. MEDIC-BASEL FRONTAL CORTEX
   E. LEFT PARIETAL LOBE
   F. RIGHT PARIETAL LOBE
   G. LEFT TEMPORAL LOBE
   H. HIGH TEMPORAL LOBE
   I. PARIETO-TEMPORAL LOBES

(ii) EXTENT OF LESION:

(iii) TYPE OF LESION:

(iv) HISTOPATHOLOGY FINDINGS:

SECTION-IV

NEURO-PSYCHOLOGICAL EXAMINATION: DONE/NOT DONE.

A. HANDEDNESS: RIGHT/LEFT

   (TO BE ASSESSED BY QUESTIONNAIRE)

B. ATTENTION:

   1. ORIENTING RESPONSE IS NOT PRESENT,
      1. YES  2. NO.

   2. ATTENTION HAS TO BE AROUSED
      1. YES  2. NO.

   3. ATTENTION IS EASILY DISTRACTED
      1. YES  2. NO.

   4. ATTENTION HAS TO BE BROUGHT BACK TO THE ORIGINAL
      1. YES  2. NO.
5. NARROWING OF ATTENTION IS PRESENT
   1. YES  2. NO.

6. BROADENING OF ATTENTION IS PRESENT
   1. YES  2. NO.

7. EASY FATiguABILITY IS PRESENT
   1. YES  2. NO.

8. INSTRUCTIONS HAVE TO BE RESPECTED.
   1. YES  2. NO.

9. ORIENTED TO TIME
   1. YES  2. NO.

10. ORIENTED TO PLACE
    1. YES  2. NO.

11. ORIENTED TO PERSON
    1. YES  2. NO.

12. INSIGHT = PRESENTLY/ABSENT:

C. SCANNING:

   TEST I TIME TAKEN
   TEST II TIME TAKEN
   TEST III TIME TAKEN

D. PERSEVERATION
   1. PRESENT
   2. ABSENT
   3. NOT TESTED

E. DELAYED RESPONSE ABILITY SCORE

F. PSYCHOMOTOR RESPONSE

   1. OPTIC KINESTIC ORGANIZATION
      A. DISTURBED
      B. NOT DISTURBED
      C. NOT TESTED

   2. SEQUENTIAL MOTOR ACTIVITY IS
      A. DISTURBED
      B. NOT DISTURBED
      C. NOT TESTED

   3. RHYTHM TEST:
      1. ABLE TO PERFORM
2. NOT ABLE TO PERFORM
3. NOT TESTED.

G. FOCAL DEFICITS: PRESENT/ABSENT
   IF PRESENT SPECIFY

TOTAL SCORE ACHIEVED:

H. NEURO-PSYCHOLOGICAL IMPRESSION:

SECTION V

NEUROLOGICAL EXAMINATION:

CRANIAL NERVES

(i) VISUAL ACUITY:
(ii) PTOSIS: ———
(iii) DIPLOPIA:
(iv) OCULAR MOVEMENT: SPONTANEOUS CONJUGATE GAZE (HORIZONTAL/VERTICAL) VOLUNTR Y NYSTANGMUS

MOTOR SYSTEM

(1) ABNORMAL MOVEMENTS:
(ii) TONE :
FINAL LATING OF THE DISCABILITY OF THE PATIENT BY THE CONSULTANTS: MILD/MODERATE/SEVERE

CLINICAL IMPRESSION:

SECTION-V

BEHAVIORAL OBSERVATIONS DURING RECORDING:

1. PATIENT IS CO OPERATIVE: YES/NO
2. PATIENT COULD CARRY OUT HIS EXPERIMENTAL TASK: YES/NO
3. SPECIFY, IF ANY EXPERIMENT IS REPEATED:
4. NUMBER OF EXPERIMENTS CONDUCTED:
   A. AEPS
   B. B P
   C. C N V

ANY ADDITIONAL INFORMATION:

SECTION-VII

INDEX OF DATA RECORDS

(1) FLOPPY NO:
(11) FILE NO'S:

GENERAL COMMENTS: RESEARCH SCHOLAR

PAPILLOEDEMA PRESENT/ABSENT; UNILATERAL/BILATERAL.
APPENDIX - C

DEPARTMENT OF CLINICAL PSYCHOLOGY
NIMHANS
DATA SHEET

SR. NO. ______________ DATED: ____________

NORMAL CONTROL GROUP

SECTION - I

NAME: ________________________________
AGE: ______________
SEX: ______________
EDUCATION: ______________
MARITAL STATUS: ______________
ADDRESS: ____________________________________________

SECTION - II

1. HANDEDNESS: LEFT
2. HISTORY OF PSYCHIATRIC/ORGANIC PATHOLOGY: PRESENT
3. VISUAL/AUDITORY DEFICITS: PRESENT

SECTION - III

INDEX OF DATA RECORDS

(i) FLOPPY NO: ________________________
(ii) FILE NO: ________________________
(iii) TAPE COUNTER NO'S
(iv) SPECIFY IF ANY EXPERIMENT IS REPEATED:
(v) EXPERIMENTS CONDUCTED: ____________ TRIALS
   1. AEPs ___________ TRIALS
   2. BP ___________ TRIALS
   3. CNV ___________ TRIALS
(vi) ANY ADDITIONAL INFORMATION: ____________________________

*General Comments, if any
ATTENTION, MENTAL SET AND ORIENTATION:

1. Spontaneous arousal of attention is present        Yes/No
2. Attention has to be aroused                      Yes/No
3. Attention could be aroused easily                Yes/No
4. Can actively attend to tasks                     Yes/No
5. Attention is distracted by irrelevant external stimuli Yes/No
6. Attention has to be aroused by repeated commands Yes/No
7. Attention is distracted by out any obvious external stimuli Yes/No
8. Once distracted, attention has to be brought back to the original task. Yes/No
9. Broadening or narrowing of attention is present   Yes/No
10. Abnormal spontaneous fluctuations of attention is present Yes/No
11. Fatigability of attention is present             Yes/No
12. Patient is aware of the disturbance in attention Yes/No
13. Instructions have to be given repeatedly during testing Yes/No
14. Instructions have to be given only once          Yes/No
15. Once distracted, the patient does not seem to remember his/her original task. Yes/No
16. In the above case, instructions have to be repeated so that he/she could start performing the task again. Yes/No

3. 1. Description of a picture.
Number of facts described a-
                 b-
                 c-

2. Scanning ability test
Total time taken:
Correct Responses:
Error:

APPENDIX-F

Tests of Perseveration:
1. Cross..............Circle..............Cross..............Circle.
   Cross..............Circle..............Cross..............Circle.

2. Circle..............Square..............Circle..............Square.
   Circle..............Square..............Circle..............Square.
   Circle..............Square..............Circle..............Square.
   Circle..............Square..............Circle..............Square.
3. Circle..............Cross..............Square..............Circle.
   Cross..............Square..............Circle..............Cross.
   Square..............Circle..............Cross..............Square.
   Circle..............Cross..............Square..............Circle.
   Cross..............Square..............

I-I Deational Fluency:

Things made of wood:--

Round Things:--

H. Difference & Similarities Test:

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<thead>
<tr>
<th>Difference</th>
<th>Similarity</th>
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<tbody>
<tr>
<td>Stone</td>
<td>Potato</td>
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<td>Fly</td>
<td>Butterfly</td>
</tr>
<tr>
<td>Horse</td>
<td>Cow</td>
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<tr>
<td>Iron</td>
<td>Silver</td>
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<tr>
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<td>Punishment</td>
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<td>Water</td>
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<tr>
<td>Cinema</td>
<td>Radio</td>
</tr>
<tr>
<td>Yesterday</td>
<td>Behind</td>
</tr>
<tr>
<td>Tomorrow</td>
<td>Future</td>
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</tbody>
</table>

F & CI - Functional and Conceptual Level.

C, - Concrete Level.
### Tests of Scanning

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<td>20</td>
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<td>12</td>
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Total time taken =

Total Nos. correctly worked =

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</table>

Total time taken

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<td>23</td>
<td>22</td>
<td>46</td>
<td>4</td>
<td>33</td>
<td>36</td>
</tr>
</tbody>
</table>

Left:  Once  Once  Twice  Twice  Once
APPENDIX - 6

NEUROPSYCHOLOGICAL TEST
DEPARTMENT OF CLINICAL PSYCHOLOGY

DELAYED RESPONSE LEARNING:

PROBLEMS:

A. 1. There are two poles. The length of one pole is 5 meters and that of the other is 4 meters. The two poles are cut into equal halves and half of one pole is joined with the half of the other pole.

Time Answer Correct/ Wrong

2. The length of two poles are 12 meters and 5 meters respectively. One forth (1/4) of the first is cut off and joined with 1/3 length of the second pole. What is the length of the new pole?

Time Answer Correct/ Wrong

B. 1. Add 2 and 3 subtract the total from 5+6 T A 0/W
2. Add 2 + 6 and subtract it form 7 + 3 T A 0/W
3. Find 20 - 7 and add to it 12-5 T A 0/W
4. Divide 10 by 5 and add 8/4 T A 0/W
5. Divide 20 by 4 and substracit from it 16/2 T A 0/W

C. 1. If you buy 6 oranges of price 5 each and 5 bananas of 10 each, how much is the total money you have to give?

Time Answer Correct/ Wrong

2. If you buy 5 kg. vegetables at the rate of Rs.2/- per kg. and 4 kg. fruits at Rs.3/- per kg. what is the total price?

Time Answer Correct/ Wrong

D. 1. Count from 20 to 1
2. Subtract series of 3 from 40
3. Subtract series of 7 from 100

I would tell you a small arithmetical problem you keep the result of it in mind and use it to solve another problem 10 seconds later.
APPENDIX - H

NEUROPSYCHOLOGICAL TEST
DEPARTMENT OF CLINICAL PSYCHOLOGY
NIMHANS

EXECUTION OF MOTOR TASKS:

1. Raise your right hand.
2. Raise your left hand.
3. Raise and lower your right and left hands alternatively.
4. Optic-Kinesthetic organisation.
   Reproduction of the different finger positions demonstrated by the examiner.
   Examiner shows middle and index finger of left hand.
   Describe subjects performance.
5. Optic-spatial organisation.
   The subject is asked to reproduce the position of hands of the examiner.
6. Examiner sits facing patient and asks to raise corresponding hands.
   Examiner - right hand patient -
   Examiner - left hand Patient -
7. a) Touch with your right hand your right ear.
   b) Touch with your left hand your left ear.
   c) Touch with your right hand your left ear.
   d) Touch with your left hand your right ear.
   e) Touch with your right hand your nose and with your left hand your right ear.
   f) Touch with your left hand your forehead and with your right hand your left ear.
8. Fist and Ring test.
10. Tapping tests:
    a) Alternately tap with right and left hand as follows:
        Right: twice twice twice
        Left: once once once
        Describe performance.
    b) Right: Thrice Thrice Thrice
       Left: Twice Twice Twice
       Describe performance.
    c) Right: Twice Twice Once Once Twice
       Left: Once Twice Twice Once

   2.
Describe:

d) Right:  Thrice  Thrice  Twice  Twice
   Left:  Twice  Twice  Thrice  Thrice

   R - 3 3 2 2
   L - 2 2 3 3

Describe:

e) Right:  L twice  L twice  L twice  L = Loud
   Left:  S once  S once  S once  S = Soft

Describe:

f) Right  L thrice  L thrice  L thrice  L thrice
   Left  S twice  S twice  S twice  S twice

Describe:

\[ T \overline{3389} \]