SCRIPT: “In this next set of questions, we are asking you to perform a simple memory test. As people get older, it is common to have slight memory problems, and it may just be a normal part of getting older. Some of the questions I will ask you are very easy and may even sound a little silly. Some of the questions are very hard, and nobody gets all correct. I have to ask you ALL the questions, so just do the best you can.”

1. Where were you born?

   City/Town: ____________________________

   City/Town of birth (from previous records): ____________________________

   State/Country: ____________________________

2. When were you born?

   Year: ____

   Month: ____

   Day: ____

   Date of birth (from previous records): _____ / _____ / _______

3. How old are you?

   Age (from previous records): _____ years (as of today’s date)

4a. How many minutes are there in an hour? (score 2 if either question answered correctly)

   Correct  → Skip 4b

   Error/Refused  → Continue with 4b

   Not Att/Disabled

4b. How many days are there in a year?

   Correct

   Error/Refused

   Not Att/Disabled

5. In what direction does the sun set? (if confused, may provide 4 choices)

   NOTE: If the participant seems confused, provide the four choices “north, south, east, west”. If the participant points, ask “Is that north, south, east, or west?”

   Correct  → Error / Refused  → Not Att / Disabled
6. I am going to say 3 words for you to remember. Repeat them after I have said all three.

<table>
<thead>
<tr>
<th></th>
<th>Correct</th>
<th>Error / Refused</th>
<th>Not Att / Disabled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shoes:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blue:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charity:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** If participant can’t answer the first time, say “the three words are shoes, blue and charity”.
If he/she still cannot answer, say “Let me say the three words again. They are... SHOES - something to wear, BLUE - a color, and CHARITY - a good personal quality. Now say the three words again.”
Score last performance.

7. I shall say some numbers, and you repeat what I say backwards. For example, if I say 1-2, you say 2-1. OK? Remember, you repeat what I say backwards.

<table>
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<th>Not Att / Disabled</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. 1-2-3 (If unable, coach for 3-2-1, but score 0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. 6-8-2 (If score is 0 in both A and B, score C 0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. 3-5-2-9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8. What three words did I ask you to remember earlier?

a. Shoes
   - Spontaneous recall
   - After: “One word was something to wear”
   - After: “Was it shoes, shirt, or socks?”
   - Still incorrect
   - Not attempted / disabled

b. Blue
   - Spontaneous recall
   - After: “One word was a color”
   - After: “Was it blue, black, or brown?”
   - Still incorrect
   - Not attempted / disabled

c. Charity
   - Spontaneous recall
   - After: “One word was a good personal quality”
   - After: “Was it honesty, charity, or modesty?”
   - Still incorrect
   - Not attempted / disabled

**NOTE:** Unless recall is perfect, give another reminder of the 3 words.
“Next I’m going to ask you to do some mental subtraction.”

**NOTE:** For the first error only, score 0, but provide the correct answer. If subject asks examiner to repeat answer from previous step, provide the answer but score 0 at that step. Discontinue after 2 consecutive 0’s for any reason and score the remaining steps as 0.

<table>
<thead>
<tr>
<th>Question</th>
<th>Correct</th>
<th>Error / Refused</th>
<th>Not Att / Disabled</th>
</tr>
</thead>
<tbody>
<tr>
<td>9a. From 100, take away 3 equals how many?</td>
<td>(97)</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>9b. And take away 3 from that equals? (If A and B are both scored 0, score C 0)</td>
<td>(94)</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>9c. Repeat “And take away 3 again equals?” (ask 3 more times)</td>
<td>(91)</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>

10. What is today’s date? 

<table>
<thead>
<tr>
<th>Month</th>
<th>Day</th>
<th>Year</th>
</tr>
</thead>
</table>

**Today’s date:** ___ / ___ / ______

a. Year
- O Accurate
- O Missed by 1 year
- O Missed by 2-5 years
- O Missed by 6 or more years
- O Not attempted / disabled

b. Month
- O Accurate or within 5 days
- O Missed by 1 month
- O Missed by 2 or more months
- O Not attempted / disabled

c. Day
- O Accurate (of the month)
- O Missed by 1 or 2 days
- O Missed by 3-5 days
- O Missed by 6 or more days
- O Not attempted / disabled

11. What day of the week is today? 

**Day of the week:** __________________________

12. What season of the year is it? 

**Season:** __________________________

**NOTE:** Use chart to assist in correct response. If not immediately provided, say “Is it Spring, Summer, Fall or Winter?”

<table>
<thead>
<tr>
<th>Correct</th>
<th>Error / Refused</th>
<th>Not Att / Disabled</th>
</tr>
</thead>
<tbody>
<tr>
<td>13a. What State are we in?</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>b. What City/Town/Village are we in?</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>c. Is this place a clinic, store, or home?</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>
NOTE: If the participant gives no response in 10 seconds and there are still at least 10 seconds of remaining time, gently remind him only once “What (other) animals have 4 legs?” For the first incorrect answer, remind the participant “I want you to name four-legged animals.”

14. What animals have 4 legs? Tell me as many as you can. (60 seconds.)

Total correct responses: 

```
30 sec
60 sec
```

“The next set of questions is about how 2 things are alike. For example, an orange and a banana - the way that they are alike is that they are both fruit.”

15. An orange and a banana are both fruit. (pause for 2 sec., then ask:)

(coach for correct answer if needed for “a” only)

a. An arm and a leg are both…?
   - Body parts, limbs, extremities
   - Long, bend, muscles, bones, etc.
   - Incorrect / Don’t know
   - Not attempted / disabled

   Record response here: ______________________

b. Laughing and crying are both…?
   - Expressions of feelings/emotions
   - Other correct answer
   - Incorrect / Don’t know
   - Not attempted / disabled

   Record response here: ______________________

c. Eating and sleeping are both…?
   - Necessary bodily functions
   - Other correct answer
   - Incorrect / Don’t know
   - Not attempted / disabled

   Record response here: ______________________

16a. What actions would you take if you saw your neighbor’s house catching fire? (prompt “What else might you do?” once only, if necessary)

NOTE: Score 1 point (up to 2) for each correct responses: call 911, alert fire/police department, save/alert residents, help put out fire, safeguard your own property/family, alert neighbors, try to help.

No. of appropriate actions: 

```
0
1
2
```

16b. What actions would you take if you lost a borrowed umbrella? (1 point for each category of actions)

Inform/Apologize
   - Correct
   - Error / Refused
   - Not Att / Disabled

Replace/Compensate
   - Correct
   - Error / Refused
   - Not Att / Disabled
16c. What would you do if you found an envelope that was sealed, addressed and had a new stamp?

- Mail
- Try to locate the owner
- Inappropriate action
- Not attempted/disabled

17. Repeat exactly what I say:

a. “He would like to go home.”
   - Correct
   - 1 or 2 missed/wrong words
   - 3 or more missed/wrong words
   - Not attempted / disabled

   - Extra words

**NOTE:** For each part of 17b, score 1 only if repeated exactly as given.

b. Now repeat...

<p>| “This yellow circle is heavier than blue square” |</p>
<table>
<thead>
<tr>
<th>Correct</th>
<th>Error / Refused</th>
<th>Not Att / Disabled</th>
</tr>
</thead>
<tbody>
<tr>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

   - Extra words

18. Please do this: (Point to statement “Raise your Hand”)

- Raises hand without prompting
- Raises hand after prompting
- Reads correctly, but does not raise hand
- Neither reads nor obeys
- Not attempted / disabled

**NOTE:** May repeat instructions one time.
19. Let me have a sample of your handwriting. Please write: (He) would like to go home. (1 min.)
(may dictate 1 word at a time if necessary)

<table>
<thead>
<tr>
<th></th>
<th>Correct</th>
<th>Error / Refused</th>
<th>Not Att / Disabled</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. would</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>b. like</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>c. to</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>d. go</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>e. home</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

*Hand used to write sentence: ___ right ___ left*

20. Please copy this: (show pentagons - 1 minute)

**NOTE:** For right-handed persons, present the sample on their left side. For left-handed persons, present the sample on their right side.

<table>
<thead>
<tr>
<th>a. Left Pentagon</th>
<th>b. Right Pentagon</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 5 approx. equal sides</td>
<td>□ 5 approx. equal sides</td>
</tr>
<tr>
<td>□ 5 but un-equal (&gt;2:1) sides</td>
<td>□ 5 but un-equal (&gt;2:1) sides</td>
</tr>
<tr>
<td>□ Any other enclosed figure</td>
<td>□ Any other enclosed figure</td>
</tr>
<tr>
<td>□ 2 or more lines but without closure</td>
<td>□ 2 or more lines but without closure</td>
</tr>
<tr>
<td>□ Less than 2 lines</td>
<td>□ Less than 2 lines</td>
</tr>
<tr>
<td>□ Not attempted / disabled</td>
<td>□ Not attempted / disabled</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>c. Intersections</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 4 cornered</td>
</tr>
<tr>
<td>□ Not 4-cornered enclosure</td>
</tr>
<tr>
<td>□ No enclosure</td>
</tr>
<tr>
<td>□ Not attempted / disabled</td>
</tr>
</tbody>
</table>

21. Take this paper with your (left)/(right) hand, fold it in half, and hand it back to me.

**NOTE:** For question 21, do not repeat any part of the command. (Use non-dominant hand)

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>a. (left)/(right) hand</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>b. fold it in half, and</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>c. hand it back to me</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>
22. What three words did I ask you to remember earlier?

a. Shoes
   - Spontaneous recall
   - After: “One word was something to wear”
   - After: “Was it shoes, shirt, or socks?”
   - Still incorrect
   - Not attempted / disabled

b. Blue
   - Spontaneous recall
   - After: “One word was a color”
   - After: “Was it blue, black, or brown?”
   - Still incorrect
   - Not attempted / disabled

c. Charity
   - Spontaneous recall
   - After: “One word was a good personal quality”
   - After: “Was it honesty, charity, or modesty?”
   - Still incorrect
   - Not attempted / disabled

23. What do we call this part of the face/body? (2 seconds each)

**NOTE:** Ask this while pointing to the appropriate part on your own body. Do not repeat.

<table>
<thead>
<tr>
<th>Part</th>
<th>Correct</th>
<th>Error / Refused</th>
<th>Not Att / Disabled</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. forehead</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>b. chin</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>c. shoulder</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>d. elbow</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>e. wrist</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

24. What is this? (show one at a time)

**NOTE:** Present one item at a time and ask the participant to name it. If the participant cannot name an object in 2 seconds, put it in the participant’s hand and ask “What do you call this?” If he/she still cannot name it, wait 4 seconds, say (for key) “It is a key... say key.”

<table>
<thead>
<tr>
<th>Item</th>
<th>Correct</th>
<th>Error / Refused</th>
<th>Not Att / Disabled</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. spoon</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>b. coin</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>c. toothbrush</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>d. key</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>e. comb</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

Total number of objects either named spontaneously or repeated perfectly after coaching:  [ ] (max. 5)
25. Remember these 5 objects. (Wait for 5 sec., cover, then ask “What 5 objects did I just show you?”. Any order is OK)

**NOTE:** Terminate testing when the participant has reported 5 objects (including incorrect names) or when the participant cannot recall any additional item in 5 seconds.

<table>
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<tr>
<td>a. spoon</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>b. coin</td>
<td>○</td>
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<tr>
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<td>○</td>
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<td>○</td>
</tr>
<tr>
<td>d. key</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>c. comb</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

26. Once again, where were you born? (If this matches with Q1, assume it is correct)

City/Town: ___________________________  ○ Correct  ○ Error / Refused  ○ Not Att / Disabled

“Those are all the questions we have on this examination. Thank you for completing them for us.”

**Finish time (hr:min):** _______ : _______  **Duration (minutes):** _______

**VALIDITY OF SCORE**

- ○ Valid
- ○ Probably invalid: poor hearing
- ○Probably invalid: poor eyesight
- ○ Probably invalid: impaired motor control
- ○ Probably invalid: language barrier
- ○ Probably invalid: impaired alertness and attentiveness
- ○ Probably invalid: significant physical/mental discomfort
- ○ Probably invalid: other reasons

Specify: ___________________________
RAISE YOUR HAND