MINI MENTAL STATE EXAMINATION (MMSE)

Name: **Date:**   **Examiner:**

ORIENTATION

	SCORE *(Circle one)*
What is the year?	0 1
What is the season? (allow for error if beginning/end of season)	0 1
What month is it now? (allow for error if first/last day of month)	0 1
What day of the week is it today? (allow for error if near midnight)	0 1
What is today's date?	0 1
What country are we in now?	0 1
What city/town are we in? (if rural, ask what province)	0 1
What suburb are we in? (if rural, ask what area/district)	0 1
What building/place are we in? (name or type)	0 1
What Ward/floor/room of the building/place are we in?	0 1

Score 1 point for correct response, maximum 10.

REGISTRATION

Listen carefully. I'm going to say three words.
You say them back when I've finished. Ready? (present 1 second each):

Read this way ⟶   *tick which items used*

1st trial	**APPLE**	**COIN**	**CHAIR**	☐
re-test	**BALL**	**CAR**	**MAN**	☐
2nd re-test	**SHOE**	**FLAG**	**TREE**	☐

SCORE: 0 1 2 3

Repeat up to 5 times (until patient can repeat all 3), but score only first trial.
Number of trials: ....

Now keep those words in mind. I'm going to ask you to say them again in a few minutes.

ATTENTION AND CALCULATION [Serial 7s]

Now I'd like you to subtract 7 from 100.
Then keep subtracting 7 from each answer until I tell you to stop.
What is 100 take away 7? (If needed say, keep going).

Record responses: ___   ___   ___   ___   ___

0   1
0   1
0   1
0   1
0   1

(Score 1 point for each answer that is 7 less than the previous number. Maximum 5)
Don't remind patient of where they are up to. If they lose track, say something like, "Give your best guess."

If patient refuses to perform serial 7's or is clearly unable to, substitute WORLD item below.
Spell WORLD forward (correct any misspelling), **then backward**
(score backward spelling - 1 point for each letter that appears in the correct order)

RECALL

What were those three words I asked you to remember?

1	2	3

SCORE: 0 1 2 3

Score 1 point for each correct item, maximum 3.
Do not prompt but if no response, say "Take a moment" or "Take a guess".

NAMING

	SCORE *(Circle one)*
What is this? (Point to a pen or pencil)	0 1
What is this? (Point to a watch)	0 1

Alternative common objects (e.g., glasses, chair, and keys) can be used.
1 point each for correct name of whole, or part of, objects.

REPETITION

Listen carefully, I am going to ask you to repeat what I say. Ready?
"THE PASTRY COOK WAS ELATED."   Now you say that.

Alternative item:
"NO IFS, ANDS, OR BUTS."
Repeat up to 5 times, but score only first trial. Number of trials: ....

SCORE: 0   1

COMPREHENSION

Listen carefully because I'm going to ask you to do something. (present piece of paper to patient's midline ONLY after giving complete instruction)

Take this piece of paper in your right/left (non dominant) **hand,**	0 1
fold it in half,	0 1
and put it on the floor	0 1

READING

Please read this and do what it says
(use separate page)

SCORE: 0   1

CLOSE YOUR EYES

WRITING

Please write me a sentence

(use separate page)
If person doesn't respond, say, "Write about the weather." (Cue used: yes/no)
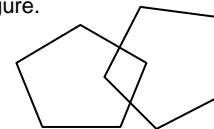The sentence must contain a subject, verb and make sense. Ignore grammar or spelling.

SCORE: 0   1

DRAWING

Please copy this design. (use separate page)
Score 1 point if drawing consists of two 5-sided figures that intersect to form a 4-sided figure.

TOTAL SCORE
___
30

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EXECUTIVE FUNCTION SCREEN

CLOCK FACE
(use back of separate page)
Draw a clock face. Put all of the numbers where they belong.
 When patient completes this),
Now set the hands to <u>10 past 11</u>.

Write notes in space below. Comment on time taken, behavioural observations (e.g., did patient look confused), how they approached task (e.g., planning) etc.

COPY AND CONTINUE ("MW" pattern)
(use separate page)
Copy this pattern underneath and continue the pattern until I say stop.

Write observation notes in space below .

SIMILARITIES
I am going to read two words to you, and I want you to tell me how they are alike or similar.

	2-point	1-point	0-point
In what way are a shirt and trousers alike? If 2-point answer not given say, "What category are they from?" *Tick if prompt given* ☐ Provide 2-point response if required. Don't prompt from here on.	clothing	material	Both brown
In what way are a carrot and a potato alike?	vegetable	food	Both can be peeled
In what way are a plate and a cup alike?	Crockery/ Eating utensils	Made from same material	Both go on table/ Both white
In what way are tennis and rugby alike?	sport	exercise	Both fun
In what way are a train and a motorbike alike?	transport	wheels	Make noise

Abstract ← → *Concrete*

WORD GENERATION
(use separate page)
I am going to say a letter of the alphabet. Then I want you to give me as many words that begin with that letter as quickly as you can. For example, if I say "S" you might give me "sit", "soft" or "simple". I do not want you to give words that are names of people or places such as "Silverdale" or "Sam". I don't want you to give words that are numbers such as "seven". Also do not use the same word again with different endings such as "sit", "sits" and "sitting".

So no names of people or places (pause), no words that are numbers (pause) and no words with different endings. Do you have any questions?
Begin when I say the letter. The first letter is "T". Go ahead.

Begin timing immediately. Allow 60 seconds for each letter, making a note of the 30-second mark.
Write down the actual words in the order in which they are produced. Mark repeats and violations (don't score these)
If patient discontinues before the end of 1 minute, encourage them to think of more words. If there is a silence of 15 seconds, repeat the basic instructions and the letter.

T	R	D

Total acceptable words generated	Total >20	15-19	<15
	normal	Mild to moderate impairment	More severe impairment

INITIATION AND IMPULSE CONTROL

Take my hand gently. (Take patient's dominant hand as though shaking hands).

If I say "red" squeeze my hand like this (demonstrate a quick, light squeeze)

If I say "green", do nothing.

Allow patient to practice a few times giving R / G in random order at a rate of about 1 per second.
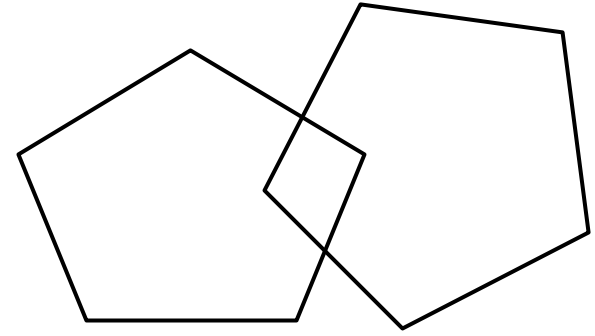
Suggested sequence:
R R G R G R G G G R G R R G R

Record number of errors:

<2 errors	2-4 errors	>4 errors
normal	Mild to moderate impairment	Significant impairment with initiation or inhibition

Comment on person's ability to follow instructions / change set / speed etc.
Note any motoric impulses (e.g., hand twitching) to green and score as error.

CLOSE YOUR EYES

(sentence)

T	R	D