

Instructions to Interviewer: (Read aloud statements in bold face to participant.)

Now I'd like you to watch me, and make the same hand movements I make. The examiner should ask the participant to use the dominant hand, and demonstrate the movements, performing them along with the participant. **First make a fist, like this.** Place the fist with knuckles on the table, as though knocking on a door. **Now put your hand on the edge, like this.** Place the edge of the hand, with fingers extended, on the table. **Now put your palm flat on the table, like this.** Place the palm down on table, fingers extended and together. **Now do that with me a few times.** Slowly at first (about one movement per second, or less if necessary for the particular participant), the examiner should cue the participant verbally while performing the movements himself or herself. **Fist ... Edge ... Palm ... Fist ... Edge ... Palm.** Continue for 2-5 trials to make sure participant has the idea. Then the examiner should ask the participant to say the words while the participant and examiner perform the task together. **Now we'll keep doing it together, but you say the words as we do it.** The examiner should let the participant cue himself or herself aloud, while simultaneously performing the movements, for 2-3 trials. **Now do it by yourself. Keep saying the words.** Allow the participant to perform the task independently from this point on. Occasional coaching is permissible, but must be taken into consideration when scoring. As (or if) the participant improves, ask him or her to speed up. **Now go as fast as you can, without saying anything. You might make some errors, but that's okay. Just try to go as fast as you are able to go.**

d. Fist - Edge - Palm

- ☐ 3 - Rapid performance with no errors or hesitancy. Movements quickly becoming automatic.
- ☐ 2 - Learns task with only a few errors. Movements becoming relatively automatic with practice.
- ☐ 1 - Difficulty in learning the task. Makes many errors (even if self-corrected), or best performance remains deliberate and effortful, never automatic.
- ☐ 0 - Failure to learn the task, no improvement following practice without the examiner as a model.

5. Standardized Mini Mental Status Examination

I am going to ask you some questions and give you some problems to solve. Please try to answer the best you can.

a. (Allow 10 seconds for each reply)

MAX SCORE (5)

- 1) **What year is this?** (accept exact answer only) _____ 1
- 2) **What season is this?** (during the last week of the old season or the first week of a new season, accept either season) _____ 1
- 3) **What month of the year is this?** (on the first day of new month, or last day of the previous month, accept either) _____ 1
- 4) **What is today's date?** (accept previous or next date, e.g., on the 7th accept the 6th or 8th) _____ 1
- 5) **What day of the week is this?** (accept exact answer only) _____ 1

b. (Allow 10 seconds for each reply)

MAX SCORE (5)

- 1) **What country are we in?** (accept exact answer only) _____ 1
- 2) **What state/county are we in?** (accept exact answer only) _____ 1
- 3) **What city/town are we in?** (accept exact answer only) _____ 1
- 4) **(IN CLINIC) What is the name of this hospital/building?** (accept exact name of hospital or institution only) _____ 1
- (IN HOME) What is the street address of this house?** (accept street name and house number or equivalent in rural areas) _____ 1
- 5) **(IN CLINIC) What floor of the building are we on?** (accept exact answer only) _____ 1
- (IN HOME) What room are we in?** (accept exact answer only) _____ 1

c. **I am going to name three objects. After you have said all three objects, I want you to repeat them. Remember what they are because I am going to ask you to name them again in a few minutes.**
(say them slowly at approximately 1 second intervals)

MAX SCORE

3

Ball Car Man

For repeated use

Bell Jar Fan

Bill Tar Can

Please repeat the three items for me.

(Score 1 point for each correct reply on the first attempt)

Allow 20 seconds for reply, if participant did not repeat all three, repeat until they are learned or up to a maximum of five times.

MAX SCORE

5

d. **Spell the word WORLD** (you may help subject to spell world correctly). **Say "Now spell it backwards, please."**
(Allow 30 seconds to spell backwards. If the participant cannot spell world even with assistance – score 0.)

MAX SCORE

3

e. **Now what were the three objects that I asked you to remember?**

Ball Car Man

Score 1 point for each correct response regardless of order, allow 10 seconds

MAX SCORE

1

f. Show wristwatch. Ask: **What is this called?**

Score 1 point for each correct response. Accept "wristwatch" or "watch". Do not accept "clock," "time," etc. (allow 10 seconds)

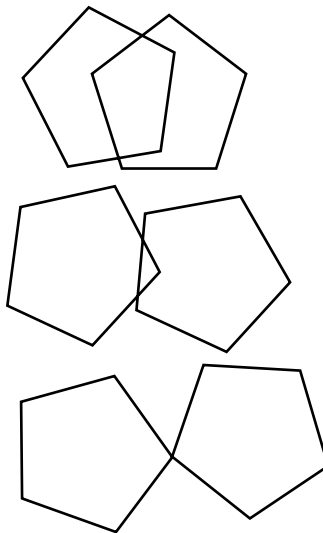
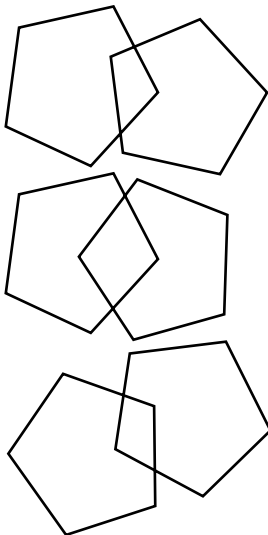
- g. Show pencil. Ask: **What is this called?**
Score 1 point for each correct response, accept pencil only, --score 0 for pen.
- h. **I'd like you to repeat a phrase after me: "no ifs, ands, or buts"**
Allow 10 seconds for response. Score 1 point for a correct repetition. Must be **exact**, e.g., no ifs or buts -- score 0.
- i. **Read the words on this page and then do what it says:**
Hand participant the laminated sheet with CLOSE YOUR EYES on it.
- CLOSE YOUR EYES**
If participant just reads and does not then close eyes – you may repeat: **read the words on this page and then do what it says** to a maximum of three times. Allow 10 seconds, score 1 point if participant closes eyes. Participant does not have to read aloud.
- j. Ask if the participant is right or left-handed. Alternate right/left hand in statement, e.g., if the participant is right-handed, say, **"Take this paper in your left hand."** Take a piece of paper – hold it up in front of the participant and say the following:
- "Take this paper in your right/left hand, fold the paper in half once with both hands and put the paper on the floor."**
- | | | |
|-----------------------------|---|--|
| Takes paper in correct hand | 1 | |
| Folds it in half | 1 | |
| Puts it on the floor | 1 | |
- Allow 30 seconds. Score 1 point for each instruction correctly executed.
- k. Hand participant a pencil and paper. Say: **"Write any complete sentence on this piece of paper."**
Allow 30 seconds. Score 1 point. The sentence should make sense. Ignore spelling errors.
- l. Place design (two five-sided figures intersected by a four-sided figure), pencil, eraser, and paper in front of the participant.
Say: **"Copy this design please."**
- Allow multiple tries until participant is finished and hands it back. Score 1 point for correctly copied diagram. The participant must have drawn a 4-sided figure between two 5-sided figures. Maximum time – 1 minute.

Scoring the Figure

The subject must draw two five-sided figures intersected by a four-sided figure.

CORRECT - Score 1

INCORRECT - Score 0



Time completed: _____ (minutes)

Total Test Score _____

MAX SCORE
30