

COGNITIVE ABILITY TESTS FOR ADULT

Name of the participant

.....

.....

Male ☐ Female ☐ ☐ village ☐ town ☐ City

Name of the examiner

.....

.....

Age of participant			
	year	Month	Date
Date of test			
Date of birth			
Date of age during test			

Sub-test	Raw Score	Scaled Scores			
Standard Progressive Matrices					
Word Meaning					
Digit Span					
Word Relations					
Coding					
Image Comprehension					
Letter Span					
Antonym					
Visual Sequential Memory					
Comprehension					
Symbol Search					
Sum of Scaled Scores					
		Verbal Comp.	Percep. Reason.	Working Memory	Process. Speed

Scale	Sum of Scale Scores	Composite Score	Percentile Rank	----- % Confidence Interval
Verbal Comprehension		VCI		
Perceptual Reasoning		PRI		
Working Memory		WMI		
Processing Speed		PSI		

Some general direction for examiner

- ✓ **This test is only applicable for adult person between (16-80) years of age.**
- ✓ During this test try to keep the environment noise free.
- ✓ Both experimenter and respondent must have to keep their mobile phone silent.
- ✓ Before the test examiner should take 3 to 5 minutes for building rapport with participants.
- ✓ Examiner has to speak correctly and maintain such similarity among the instruction of all respondents.
- ✓ For any sub test, until person can not understand his/her task, never start the main test. Only When person could complete sample items successfully, then start the main test. If it becomes clear that participant can not understand the instruction any way, then stop that subtest immediately.
- ✓ Approximately 50-60 minutes are required to complete the full test.

1. Raven's Standard Progressive Matrices

direction of new items

Present sample item of sub-test toward respondent and tell him/her to see those picture (selected picture for response) and select out which picture will be appropriate for the gap (mention the blank space)

Right Response: Tell, Right answer. Start the test item.

Wrong Response: Tell, See again. With this picture (mention 1st response) it has similarity, that is why it will adjust here (notice the blank space). Ask, either he/she get their task or not. If yes, then start the test. If not there after instruct again.

Test item Direction:

Present proper item (mention selected pictures for response) and ask which picture will be right here (mark the blank space). When respondent will get his job then direction is not necessary overall.

1. Standard Progressive Matrices					
Item	Response	Score	Item	response	Score
00	(1) 2 3 4 5 6		C-3	1 2 3 4 5 6(7) 8	0 1
A-1	1 2 3 4 5 (6)	0 1	C-4	(1) 2 3 4 5 6 7 8	0 1

A-2	1 (2) 3 4 5 6	0 1
A-3	1 2 3 (4) 5 6	0 1
A-4	1 2 3 4 (5) 6	0 1
B-1	1 2 3 4 5 (6)	0 1
B-2	1 2 (3) 4 5 6	0 1
B-3	1 2 (3) 4 5 6	0 1
B-4	1 2 3 4 (5) 6	0 1
C-1	1 2 3 4 5 6 (7) 8	0 1
C-2	(1) 2 3 4 5 6 7 8	0 1

D-1	1 2 (3) 4 5 6 7 8	0 1
D-2	1 2 3 4 5 6 7 (8)	0 1
D-3	1 2 3 (4) 5 6 7 8	0 1
D-4	1 2 3 4 5 (6) 7 8	0 1
E-1	1 2 3 4 5 (6) 7 8	0 1
E-2	1 2 (3) 4 5 6 7 8	0 1
E-3	1 2 3 (4) 5 6 7 8	0 1
E-4	1 2 3 4 (5) 6 7 8	0 1

Total Score
(Highest Score 20)

2. Word Meaning:

Direction of sample test

Say, I will tell you some word you will listen attentively and then ask the meaning of those words. First of all, mention the sample item "father"; Then ask what is the meaning of "father"?

Sample Item: Father.....

Correct Response: [Dad, Papa, Dadda, daddy] say, right. Start the test.

Wrong Response: Say as the word is father, the right answer will be: Dad/ Papa/ Dadda/ daddy. Lets try again, Father.....

Direction of test items

Say, Now I will tell only words and you will hear attentively as well as say me the meaning. Are you ready? If necessary, explain again. Then tell lets start now.

2. Word Meaning: #				
list	given word	Verbal meaning	Right Answer	score
01.	Mother		Mama, mammy, Dame, Parent, progenetrix	0 1
02.	Night		Obscurity, Darkness, Eclips, murk	0 1
03.	Morning		Morn, Dawn	0 1

04.	Friendship		fellowship, amity, alliance, Liaison	0	1
05.	Creation		Formation, Production, generation, Composition, Construction	0	1
06.	Humanity		Human quality as human being	0	1
07.	New era		Another age, wholesale revolution	0	1
08.	Planned		Designed, Schematic, Predetermined	0	1
09.	Leaf		Pinna, Lid, Twig	0	1
10.	Earth		World, Globe, Terra, Universe	0	1
11.	Legendary		Mythological, Fancied, Fabled	0	1
12.	Hearsay		Rumour, On dit	0	1
13.	Unquenchable		Inextinguishable, deprived of salvation	0	1
14.	Miraculous		weird, extramundane, Supernatural	0	1
15.	Mist		Fog	0	1

Total Score
(Highest Score 15)

3. Digit Span:

Digit Span Forward#

Administering test items

Say, now I will tell some digits only for once. Hear attentively. Now, After my saying you will speak these digits but in similar order. So, if I tell 3-5, then what you will pronounce?

Right Response: (3-5). Say, right. Now start the test.

Wrong Response: Tell, wrong answer. I told 3-5, so you had to tell 3-5. Lets try again: 3-5.

Test item direction

Say, now I will tell digits. you listen carefully and you will tell those digits in similar order immediately after my task. Are you ready? If necessary explain again. Then tell, now let start. N.B. Each digits have to maintain same time gap (1 sec).

For every respondent 1-4 items are applicable. To tell the perfect digit in perfect place will be respondent's score. As many digits participants could produce serially it would be his/her score. When they break serial after that for all digits they will get 0.

For this reason, test administrator has to listen each response very carefully. If any participant gets less than score 4 immediately two times, test administrator will stop the test and mark answered items with pencil.

3. Digit Span (Forward):			
List	Item	Verbal response#	score#
1.	8-5		
2.	3-10#	#	
3.	6-8-3		
4.	2-1-5		
5.	4-6-1-9		
6.	3-2-4-10		
7.	6-9-1-3-5		
8.	10-6-8-5-9		
9.	6-4-9-2-1-8		
10.	4-3-5-1-6-4		
11.	1-3-9-6-8-3-10		
12.	6-5-10-1-8-3-1		
13.	4-2-1-3-9-8-3-9		
14.	9-4-10-1-2-8-10-3		
15.	1-4-9-2-8-10-2-9-3		
16.	9-1-3-10-10-5-2-8-4-6		
17.	8-5-6-10-4-1-3-9-2-5		
18.	2-1-5-3-8-4-9-2-6-10		

Total Score
(Highest Score 108)

Digit Span Backward#

Sample test Item direction

Say, now I will tell some digits only for once. Hear attentively. Now, After my saying you will speak these digits but in reverse order. So, if I tell 1-2, then what you will pronounce?

Right Response: (2-1). Say, right. Now start the test.

Wrong Response: Tell, wrong answer. I told 1-2, so you had to tell reversely that is 2-1. Lets try again: 1-2.

Test item direction

Say, now I will tell digits. you listen carefully and you will tell those digits in reverse order immediately after my task. Are you ready? If necessary explain again. Then tell, now let start. N.B. Each digits have to maintain same time gap (1 sec). For every respondent 1-4 items are applicable. To tell the perfect digit in perfect place will be respondent's score. As many digits participants could produce serially it would be his/her score. When they break serial after that for all digits they will get 0.

For this reason, test administrator has to listen each response very carefully. If any participant gets less than score 4 immediately two

times, test administrator will stop the test and mark answered items with pencil.

3. Digit Span (Backward):#				
List#	Item	Right Response#	Verbal response	Score
1.	1-4	4-1		
2.	6-2	2-6		
3.	1-8-5	5-8-1		
4.	8-1-4	4-1-8		
5.	9-5-1-8	8-1-5-9		
6.	3-7- 4-10	10-4-7-3		
7.	4-8-9-1-3	3-1-9-8-4		
8.	1-9-4-8-5	5-8-4-9-1		
9.	9-6-4-8-10-1	1-10-8-4-6-9		
10.	5-2-9-4-8-3	3-8-4-9-2-5		
11.	6-3-9-4-10-1-8	8-1-10-4-9-3-6		
12.	1-6-5-9-8-3-10	10-3-8-9-5-6-1		
13.	2-5-3-6-10-1-4-9	9-4-1-10-6-3-5-2		
14.	3-5-6-8-2-6-1-10	10-1-6-2-8-6-5-3		
15.	1-6-5-9-8-3-6-4-8	8-4-6-3-8-9-5-6-1		
16.	4-9-8-3-5-10-8-2-1	1-2-8-10-5-3-8-9-4		

Digit Span Obtained Score	I <input type="text"/> ore	DS Backward Score	DS Total
	<input type="text"/>		

Total Score
(Highest Score 88)

4. Word Relations:

Sample test Item direction

Say, I am telling you tell a sentence here is a given relation and another relation is wanted to know. You have tell the later word according to the prior given relation. First of all mention sample item, For example: As jackfruit relates with fruits, so rose relates with what? NB. When you tell the first relation, give a time gap (1 sec) before the saying next word. When participant could understand his/her job, there is no necessity to tell these repeatedly.

Right response: With flower. Say right answer and start the main test.

Wrong Response: Say, It is not right. As I told, Jackfruit relates with fruit so Rose will be relates with Flower. Let's try again, **As jackfruit relates with fruits, so rose relates with what?**

Direction of test items

Say, now I will tell pair word you will listen attentively, then I will tell only single word you will tell another. If necessary explain again. Then start the test.

4. Word Relations:				
Item	Word	Verbal Response	###Right answer	Score
01.	As morning relates with evening, Birth relates with what?		With death	0 1
01.	As New Delhi relates with India, Dhaka relates with what?		With Bangladesh	0 1
03.	As water relates with pipe, blood relates with what?		With vein	0 1
04.	As summer relates with season, November relates with what?		With month	0 1
05.	As judge relates with court, doctor relates with what?		With hospital	0 1
06.	As success relates with hard work, failure relates with what?		With disappointment	0 1
07.	As picture relates with snap, letter relates with what?		With writing	0 1
08.	As baby relates with food, patient relates with what?		With dietetic	0 1
09.	As knowledge relates with power, education relates with what?		With light	0 1

10.	As Mars relates with fobos, Earth relates with what?		With moon	0	1
11.	As lamp relates with darkness, education relates with what?		With superstition	0	1
12.	As oil relates with purifying, water relates with what?		With Purification	0	1
13.	As nib relates with pen, lens relates with what?		With Spectacular, glass, camera	0	1
14.	As minute relates with second, day relates with what?		With hour	0	1
15.	As color relates with spectrum, sound relates with what?		With wave	0	1

Total Score
(Highest Score 15)

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5. Coding:

Administer new item

Present specific item of response book in front of participant. Mention the upper most symbol of page and say, here have some symbol with number. Each symbol has a number. You will fill up the gap given below alike these symbols.

Then mention the sample item. Give a pencil and say, now you draw here as you are seeing. When you will reach in this line then stop your drawing (Denote the divider line between sample item and test item). Let participant do their task by their own self and encourage them.

Administering test item

Say, when I will tell to start, you will do remaining items similarly, sequentially and without skipping any item. Until I say stop, you will be doing your task as fast you can, without pause. Are you ready?

If necessary, explain again. Then tell, start. Start counting of time through stop watch and stop them after 120 seconds have passed. If respondent fill up after 120 seconds, for that answers he/she will not get score.

Time Span	Time to stop	Total Score
120 sec	120 sec	

(Highest Score 60)

6. Image Comprehension:

Administering test item#

Open proper item of booklet. Say here you will be shown some picture. Your task is to express what you understand by seeing each picture. Are you ready? If necessary, explain again and tell now let's start. Point on picture and ask what is it?

6. Image Comprehension:		
Item- Picture	Verbal response	Score
IC-01. Bouquet/Flower		0 1
IC-02. #Bridge#		0 1
IC-03. Computer		0 1
IC-04. Freedom fighter		0 1
IC-05. Ship		0 1
IC-06. Rocket		0 1
IC-07. tank		0 1
IC-08. Friendship		0 1
IC-09. No smoking		0 1
IC-10. #Sculpture		0 1
IC-11. Sea beach		0 1
IC-12. #Symbol of victory		0 1
IC-13. Symbol of peace		0 1
IC-14. Symbol of treatment		0 1
IC-15. Recycle		0 1

Total Score
(Highest Score 15)

7. Letter Span:**Letter Span Forward****Administering new item**

Say, now I will tell some English letter only for once. Hear attentively. Now, After my task you will immediately speak these letters but in similar order. So, if I tell A-B, then what you will pronounce?

Right Response: (A-B). Say, right. Now start the test.

Wrong Response: Tell, wrong answer. I told A-B, so you had to tell A-B. Let's try again: A-B.

Test item direction

Say, now I will tell letters. you listen carefully and you will tell those letters in similar order immediately after my saying. Are you ready? If necessary explain again. Then tell, now let start. N.B. Each digits have to maintain same time gap (1 sec).

For every respondent 1-4 items are applicable. To tell the perfect letter in perfect place will be respondent's score. As many letter participants could produce serially it would be his/her score. When they break serial after that for all digits they will get 0.

For this reason, test administrator has to listen each response very carefully. If any participant gets less than score 4 immediately two times, test administrator will stop the test and mark answered items with pencil.

7. Letter Span (Forward):			
List	Item	Verbal response	Score
1.	B-F		
2.	D-B		
3.	B-D-C		
4.	F-D-H		
5.	B-H-E-A		
6.	C-G-H-F		
7.	A-C-F-D-G		
8.	C-G-D-A-E		
9.	B-H-D-A-C-F		
10.	D-C-A-F-H-E		
11.	E-A-C-F-B-G-D		
12.	D-B-E-A-G-B-C		
13.	A-E-C-H-D-B-G-C		
14.	B-H-E-G-C-A-H-F		
15.	E-D-B-C-A-H-D-G-B		
16.	B-E-H-G-C-A-D-F-E		

17.	C-G-B-E-F-D-A-C-H-B		
18.	E-H-F-A-C-G-A-E-F-H		
Total Score (Highest Score 108)			

Letter Span Backward

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Administering new item

Say, now I will tell some letter only for once. Hear attentively. Now, After my saying you will speak these letter but in reverse order. So, if I tell A-B, then what you will pronounce?

Right Response: (B-A). Say, right. Now start the test.

Wrong Response: Tell, wrong answer. I told A-B, so you had to tell reversely that is B-A. Let's try again: A-B.

Test item direction

Say, now I will tell letters. you listen carefully and you will tell those letters in reverse order immediately after my task. Are you ready? If necessary explain again. Then tell, now let start. N.B. Each letter have to maintain same time gap (1 sec). For every respondent 1-4 items are applicable. To tell the perfect letter in perfect place will be respondent's score. As many letter participants could produce serially it would be his/her score. When they break serial after that for all digits they will get 0.

For this reason, test administrator has to listen each response very carefully. If any participant gets less than score 4 immediately two times, test administrator will stop the test and mark answered items with pencil.

B. Letter Span (Backward): #

List	Item	Correct Response	Verbal Response	Score
1.	U-O	O-U		
2.	I-U	U-I		
3.	E-B-I	I-B-E		
4.	U-E-A	A-E-U		
5.	I-E-U-A	A-U-E-I		
6.	O-C-E-U	U-E-C-O		
7.	U-A-D-O-F	F-O-D-A-U		
8.	I-A-O-B-U	U-B-O-A-I		
9.	G-O-A-O-I-A	A-I-O-A-O-G		
10.	A-U-H-F-A-I	I-A-F-H-U-A		
11.	O-A-B-U-E-C-U	U-C-E-U-B-A-O		

12.	E-O-A-O-I-U-F	F-U-I-O-A-O-E		
13.	H-U-F-A-G-E-O-I	I-O-E-G-A-F-U-H		
14.	E-O-I-D-A-O-U-F	F-U-O-A-D-I-O-E		
15.	D-A-U-E-G-O-E-B-O	O-B-E-O-G-E-U-A-D		
16.	U-C-G-I-U-A-O-E-H	H-E-O-A-U-I-G-C-U		

Letter Span	LS Forward Score	LS Backward Score	LS Total
Obtained Score			

Total Score (Highest Score)

8. Antonym:

Administration of sample item

Say, I will tell you some words, you will listen attentively and tell me their antonym. Mention a sample item, "Honor" asks its antonym.

Sample item: Honor

Correct Response: (Dishonor, disgrace). Say, right answer and start test items.

Incorrect Response: Say, wrong. As the word is honor, here correct answer would be dishonor, disgrace.

Let's try again: honor.....

Administration test items

Now I will tell only words. You will listen attentively and tell its antonym. Are you ready? If necessary explain again. Then start the test.

8. Antonym: #				
Word	Main Word	Verbal Word	Correct answer	Score
01.	Day		Night	0 1
02.	Immobile		Mobile	0 1
03.	Village		City	0 1
04.	Majority		Minority	0 1
05.	Expert		Amateur	0 1
06.	sky		Hades	0 1
07.	Family man		Monk	0 1
08.	Major		Minor	0 1
09.	Creation		Destruction	0 1
10.	Smooth		Rough	0 1
11.	Nexus		Release	0 1
12.	Total		Single	0 1
13.	Humanity		Brutality	0 1

14.	Guilt		Repressed	0	1
15.	Democracy		Autocracy	0	1











































Total Score




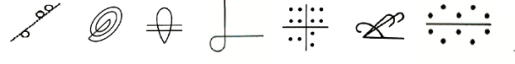

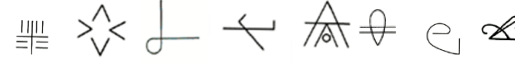

(Highest Score 15)

9. Visual Sequential Memory:

Open proper item of booklet. Say here you will be shown some design for 5 seconds. Each design has its own serial number. Then you will be given only design on another page. Your task would be set those designs from left to right (sequentially) as you saw with serial numbers. If necessary administrator can make respondent understand by using number 1,2. Now ask, do you get the task, if not then explain again, otherwise start the test. If any respondent get 0 immediately on two items, test administrator will stop the test at that point.

#

9. Visual Sequential Memory:			
Imp	Scoring KEY	Response	Score
01-T#	1 - 2		
02-T	2 - 1		
03-T	3 - 1 - 2	 	
		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
04-T	2 - 1 - 3	  	
		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
05-T	1 - 4 - 3 - 2	   	
		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
06-T	4 - 1 - 3 - 2	   	
		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
07-T	5 - 2 - 1 - 4 - 3	    	
		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
08-T	1 - 4 - 5 - 3 - 2	    	
		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
09-T	5 - 1 - 6 - 4 - 3 - 2	     	
		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
10-T	2 - 3 - 4 - 1 - 6 - 5	     	
		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
11-T	6 - 2 - 3 - 7 - 5 - 4 - 1	      	

			
12-T	1-4-5-2-7-6-3		
			
13-T	7-1-6-2-5-8-4-3		
			
14-T	4-1-3-6-2-8-5-7		
			

Total Score

(Highest Score 66)

10. Comprehension:

~~Dgp hlvwlrq#ri#kh#vhw#~~

Say, now I will ask you some question. You will answer what you know or what comes to your mind after hearing the question. Do not worry, you only tell what you know. (If items represent verbally question form toward respondents. If needed, explain again but do not change language. If response becomes hazy, encourage him/her to explain again. #

Scoring#

Person will get 1 for right answer and 0 for wrong answer

#

10. Comprehension: #			
Q#	Verbal response	Correct answer	Score
01. What is dress?		I#uhgxfhv#rxu#vkdph/#I#surhfw#xv#iurp#frcg#dgg#zdup1#Guhvv#hqdqfhn#ehdxw 1	0 1
02. What is island?		a piece of land surrounded by water.	0 1
03. What is sentence		a set of words that is complete in itself, typically containing a subject and predicate, conveying a statement, question, exclamation, or command.	0 1
04. What is leisure?		Time when one is not working or occupied. Free time.	0 1
05. What is citizen?		The position or status of being a member of a particular city.	0 1
06#What is native?		Person born in a specified place or associated with a place by birth.	0 1
07. What is compitatin g?		a person who takes part in a contest1#	0 1
08. What is responsibi lity?		A duty or obligation to satisfactorily perform or complete a task (assigned by someone, or created.	0 1

09. What is equator?		a line notionally drawn on the earth equidistant from the poles, dividing the earth into northern and southern hemispheres and constituting the parallel of latitude 0°.	0	1
10. What is meant by		hfhhdvlgj#vlp xodqhrvq###	0	1
11. What is Kurukhsetra		quarrel#, brawl#, discord#	0	1
12. What is# Uncompromising?		Showing an unwillingness to make concessions to others, especially by changing one's ways or opinions.	0	1
13. What is symbol?		A thing that represents or stands for something else, especially a material object representing something abstract.	0	1
14. Zkdw#l# rxwhwB#		Start or beginning of something	0	1
15. What is balcony?		A platform enclosed by a wall or balustrade on the outside of a building.	0	1
16. what is materialism		Doctrine that there is no soul apart from the body	0	1
171#What#l# silver jubilee?		The twenty-fifth anniversary of a significant event	0	1
181 What is indigent?#		extremely poor, distressed, miserable, insignificant, lowly	0	1
191 What is character?		The mental and moral qualities distinctive to an individual.	0	1
20. What is Earthen?		Made of compressed earth.	0	1

Total Score

(Highest Score 20)

11. Symbol Search: #**Administration of item**

Present specific page on response book. Direct on sample item and say, look at these shapes (left side). Now mention in other shapes (right side). Tell respondents to detect those symbols (from right side) which are resembled with left side. For those shapes which have similarity with right sided shape give tick mark on yes box, those have no similarity with right sided box give tick mark on no box.

Administration of sample items

Give a pencil to respondent, mention sample items & say to start his task. For 1st item: left item has similarity with right sided shape. For 2nd & 3rd item: left item has no similarity with right sided shape. For 1st item respondent will tick on yes box & for 2nd, 3rd items respondent will tick on no box.

Correct Response: Right answer. Start test items

Incorrect Response: Wrong answer. Try Again

Administering test item

Open the right page of response book. He/she have to do the task same way when you will say start. It has to sequential and as soon as possible. This is how respondent has to complete all items. Ask, are you ready? If necessary, explain again. Then start the test. Count time on stop watch. Tell him/her to stop after finishing 120 seconds. If participant give answer after 120 seconds they will not get any score for those extra answer.

ibkblj#wph#	fruhfw# dqvz hu	-	zurqj# dqvz hu	=	Total Score
453#vhfrqgv#		-		=	

(Highest Score 120)