John von Neumann Quiz
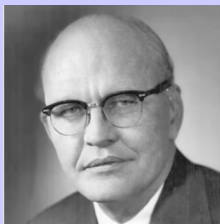
OGIK 2023 Conference

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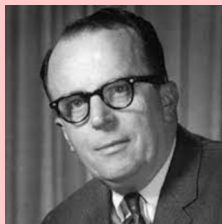
Question 1

Which picture shows John von Neumann?

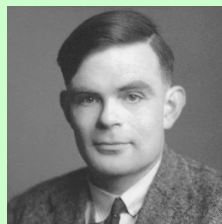

(A)

(B)

(C)

(D)

Question 2

John von Neumann was born in...

(A) 1803	(B) 1957
(C) 1903	(D) 1923

Question 3

From among the Neumann brothers who was the eldest?

(A) Max

(B) Michael

(C) Nicholas

(D) John

Question 4

Von Neumann's father, Max von Neumann was a banker who also has a doctorate...

(A) in law

(B) in mathematics

(C) in economics

(D) in health sciences

Question 5

Neumann's father was elevated to the Hungarian nobility and his family got the title Margittai by...

(A) Emperor Franz Joseph I.	(B) Emperor Charles IV.
(C) Emperor Ferdinand V.	(D) Emperor Miklós Horthy

While in Budapest, what languages did he learn?

(A) German and French

(B) Hungarian and Russian

(C) French and English

(D) Hungarian and Sweedish

Question 7

As a 6-year old he was able to make jokes with his father in...

(A) French

(B) Russian

(C) English

(D) Greek

Question 8

John von Neumann had no major contribution to...

(A) Geometry	(B) Quantum physiscs
(C) Economics	(D) Computer science

Question 9

How old was John von Neumann when he became familiar with differential and integral calculus?

(A) 8

(B) 12

(C) 16

(D) 20

Who along with Neumann, wrote the
"The Game Theory and Economic behavior"?

(A) Edward Teller

(B) John Maynard Smith

(C) John William Mauchly

(D) Oskar Morgenstein

Question 11

Which computer architecure's CPU can both read an instruction and perform a data memory access at the same time?

(A) Turing architecture

(B) Neumann architecture

(C) Harvard architetcure

(D) Client-server architecure

Question 12

Which algorithm was invented by von Neumann?

(A) Quick sort

(B) Merge sort

(C) Bubble sort

(D) Heap sort

Question 13

All of the following famous Hungarians studied in the Fasori Lutheran High School, except one...

(A) 1902-1995
Jenő Wigner
physicist

(B) 1903-1957
János Neumann
mathematician

(C) 1920-2000
János Harsányi
economist

(D) 1904-1911
Albert Szent-Györgyi
pharmacologist

Question 14

The idea of a program must be (resident) in main memory in order for it to be executed is called...

(A) Stored Memory Concept

(B) Stored Program Concept

(C) Memory Program System

(D) Stored Memory Program

Which type of computing was introduced by von Neumann in 1953 before it could be implemented?

(A) Affective computing

(B) Embedded computing

(C) Stochastic computing

(D) Ambient computing

When did von Neumann become a member of the Hungarian Academy of Sciences ("MTA") ?

(A) never

(B) in 1933

(C) in 1927

(D) in 1945

Question 17

What was the topic of von Neumann's very first lecture in Göttingen on December 7, 1926?

(A) theory of automata

(B) theory of board games

(C) arithmetics of continuous rings

(D) two variants of poker

Question 18

What was the topic of John von Neumann's PhD thesis at Pázmány Péter University in Budapest?

(A) minimally almost periodic groups

(B) Zur Theorie der Gesellschaftsspiele

(C) applications of continuous geometries

(D) axiomatization of Cantor's set theory

At what age did Neumann publish his first paper?

(A) 12

(B) 8

(C) 24

(D) 19

Question 20

Where did von Neumann finish his habilitation on December 13, 1927?

(A) Berlin

(B) Budapest

(C) Zürich

(D) Princeton

Marina von Neumann his only daughter became not just a professor too, but a vice president of...

(A) AT&T

(B) General Electric

(C) IBM

(D) General Motors

At the Faculty of Arts in Budapest Neumann had lectures in math. Who of them was born in Pécs?

(A) geometry
József Suták

(B) algebra
Gusztáv Rados

(C) calculus
Gábor Szegő

(D) analysis
Lipót Fejér

Who said about John von Neumann, that
"He was the only student I was afraid of"?

(A) György Pólya

(B) Frigyes Riesz

(C) Leó Szilárd

(D) Ede Teller

What was von Neumann's nickname at Princeton during his advanced studies?

(A) good time Johnny

(B) game geek Jonnny

(C) Hungarian Martian

(D) Hungarian Magician

How many scientific articles did John von Neumann publish in his life?

(A) 200

(B) 50

(C) 100

(D) 150

Question 26

Which quote is from John von Neumann?

(A) If people do not believe that mathematics is simple, it is not only becuase they do not realize how complicated life is.

(B) In mathematics the art of proposing a question must be held of higher value than solving it.

(C) I don't know what the language of the year 2000 will look like, but I know it will be called Fortran.

(D) The purpose of computing is insight, not numbers.

John von Neumann was died in bone and prostate cancer on February 8, 1957. at the age of...

(A) 53

(B) 50

(C) 63

(D) 60

Question 28

Von Neumann unfinished last manuscript written near his death later published in book form as...

(A) The Proof of Minimax Theorem

(B) Foundations of Quantum Mechanics

(C) The Computer and the Brain

(D) Self-Reproducing Automata

How many boxes are John von Neumann's legacy stored in at The Library of Congress, Washington?

(A) 17

(B) 36

(C) 50

(D) 93

What is named after John von Neumann?

(A) the first hydrogen bomb	(B) the first quantum computer
(C) a lunar impact crater	(D) a programming language