

RANDOM NUMBERS

SUMMARY	
Matched Branch:	0
Partially Matched Branch:	11
Mismatched Branch:	0
Extra Branch:	103
Total Match:	56.0 %
Concept Match:	70.59 %
Link. Phr. Match:	25.0 %
Misconception:	53.33 %
Hierarchy Match:	57.88 %

Grade: 53.56%

symmetric
key for use
as a temporary
session key
or creating
a digital
envelope

stream key
for symmetric
stream cipher

keys for public-key
algorithms

session key

Uniform distribution

Independence

TRUE RANDOM
NUMBER GENERATOR

PSEUDORANDOM
NUMBERS

frequency
of occurrence
of each of
the numbers
should be
approximately
the same

no one value
in the sequence
can be inferred
from the others

opponent should
not be able
to predict
future elements
of the sequence
on the basis
of earlier
elements

uses a nondeterministic
source to
produce randomness

most operate
by measuring
unpredictable
natural processes

are not truly
random because
sequence of
values is
determined
by initial
seed value

likely to
be predictable

includes the
generation
of

with these
requirements
of

generated
by

versus

depicted by

portrayed
by

described
by

specified
by