

(083) Math 131:Second Quiz Test-I (5.1-2-8.1-2): August 18. 2009

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Contents

Marks: 15; Time: 15 Minutes

NAME:.....

I.D.#:

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SERIAL# SECTION #: (Sec.01A)

01A		09 20 <i>am S2</i>	10 20 <i>am S1</i>
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NOTE: SHOW ALL STEPS OF THE SOLUTION.

NO CREDIT FOR ANSWERS WITHOUT COMPLETE SOLUTION.

The questions are not in any order of difficulty at all.

Only the nonprogramable calculators are allowed.

Write the simplified answer of each question at the end of each question.

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Q.1.(Marks: 3+3). Subcommittee. A committee has 5 male and 5 female members.

In how many ways can a subcommittee of four be selected if

(a) exactly three females and one male are to serve on it and one particular female must be selected among these ones for the committee?

Number of Ways:.....

(b) Exactly two females and two males must be selected to serve on the committee?

Number of Ways:

Q.2. (Marks : 9). 203.Equation of value. A debt of \$ 3333 due six years from now is instead to be paid off by three payments.

\$ 555 now, \$ 1111 in three years, and a final payment at the end of five years.

What would this payment \$ x be if an interest of 8 % compounded quarterly is assumed?

0 Years	1	2	3 Years	4	5 Years	6 Years
\$ 555			\$ 1111		\$ x	\$ 3333
Pay-ment			Pay-ment		Pay-ment	Debt

Payment x = Dollars.