Part B. Give deductions for the following arguments by supplying steps and reasons. Use as many blanks as you need.

(1)
All babies are illogical. No one who can manage a crocodile is despised. Illogical persons are despised. So, babies cannot manage crocodiles.

1. all B are I
2. no M are D
3. all I are D   /∴   all B are non-M
----
4. _____   _____
5. _____   _____
6. _____   _____
7. _____   _____
8. _____   _____
9. _____   _____
10._____   _____
11._____   _____

(2)
None of my books are interesting. Every one of your writings is interesting. Only your writings are criticized by you. So, you are critical about none of my books.

1. no B are I
2. all W are I
3. all non-W are non-C   /∴   no B are C
----
4. _____   _____
5. _____   _____
6. _____   _____
7. _____   _____
8. _____   _____
9. _____   _____
10._____   _____
11._____   _____

(3)
No subscribers to the New York Times are not well-educated. No kangaroos can read. Whoever can not read is not well-educated. So, kangaroos do not subscribe to the New York Times.

1. no S are non-W
2. no K are R
3. all non-R are non-W   /∴   all K are non-S
----
4. _____   _____
5. _____   _____
6. _____   _____
7. _____   _____
8. _____   _____
9. _____   _____
10._____   _____
11._____   _____

(4)
No one who cannot stir the hearts of men is a true poet. No one who does not truly understand human nature can stir the hearts of men. Only exceptional people truly understand human nature. Exceptional people are capable of wielding great power. Those who are capable of wielding great power are potentially very dangerous. So, true poets are potentially very dangerous.

[Hint: Try to use the Supersized version of the rule Univ Syll.]

1. no non-S are T
2. no non-U are S
3. all non-E are non-U
4. all E are W
5. all W are P   /∴   all T are P
----
6. _____   _____
7. _____   _____
8. _____   _____
9. _____   _____
10._____   _____
11._____   _____
12._____   _____
13._____   _____
14._____   _____
15._____   _____
16._____   _____
17._____   _____
18._____   _____

(5)

People who are sane can do logic. No lunatics are allowed to be on a jury. No one in your family can do logic. So, no one in your family is allowed to be on a jury.

1. all S are L
2. no non-S are A
3. no F are L   /∴   no F are A
----
4. _____ _____
5. _____ _____
6. _____ _____
7. _____ _____
8. _____ _____
9. _____ _____
10._____ _____
11._____ _____

(6)

All lions are cats.
All cats are felines.
No reptiles are felines.
All snakes are reptiles.
All boas are snakes.
Some pets are boas.
All pets are cared for animals.
So, not all cared for animals are lions.

[Hint: Divide the problem into two parts. First part, use Super Part Syll to derive the step "some pets are non-lions". Second part, with the help of the last premiss finish the deduction.]

1. All L are C
2. All C are F
3. No R are F
4. All S are R
5. All B are S
6. Some P are B
7. All P are A   /∴   not all A are L
----
8. _____ _____
9. _____ _____
10._____ _____
11._____ _____
12._____ _____
13._____ _____
14._____ _____
15._____ _____
16._____ _____
17._____ _____
18._____ _____
19._____ _____
20._____ _____

(7)
Monkeys are bold. Nothing bold is
scared of a baby. Some monkeys are
unimaginative. Whatever is scared of
a gigantic baby with a machine gun is
scared of a baby. So, not everything
that is not scared of a gigantic baby
with a machine gun is imaginative.

1. all M are B
2. no B are S
3. some M are non-I
4. all G are S   ∴   not all non-G are I
----
5. _____   _____
6. _____   _____
7. _____   _____
8. _____   _____
9. _____   _____
10._____   _____
11._____   _____
12._____   _____
13._____   _____
14._____   _____

(8)
"A man's gotta know his limitations" –
Dirty Harry (Clint Eastwood), Magnum
Force, 1973.

To succeed in life, one must be able
to achieve everything that is really
important to one's life. No one can
achieve everything that is really im-
portant to one's life if one does not
know one's shortcomings. Knowing
one's shortcomings means being able
to admit that one makes mistakes.
But, some people just can't admit that
they make mistakes. So, some people
will not succeed in life.

1. all S are A
2. no non-K are A
3. all K are M
4. some P are non-M /∴   some P are non-S
----
5. _____   _____
6. _____   _____
7. _____   _____
8. _____   _____
9. _____   _____
10._____   _____
11._____   _____
12._____   _____
13._____   _____
14._____   _____