Section I: Reading Comprehension (15%)

National borders have no meaning for the atmosphere. This was demonstrated to the world by the Chernobyl nuclear plant disaster and again by the eruption of Mt. Pinatubo. Whatever enters the atmosphere in one country soon travels around the world. And so, scientists are now worried about the global effects of air pollution. Research shows, in fact, that the earth’s atmosphere is changing in ways that could be destructive to life. Pollution could be a major cause of this.

One of the pollutants that is causing the greatest concern is carbon dioxide. It is released into the air when coal or petroleum is burned. Carbon dioxide has always been a part of our atmosphere, the product of certain natural processes. However, in recent decades, the amount of carbon dioxide in the atmosphere has greatly increased. This is the result of an enormous increase in the amount of coal and petroleum burned fuel.

The result of the increase of carbon dioxide in the atmosphere is the so-called “greenhouse effect”. The carbon monoxide acts like a glass screen, making the sun’s heat more intense. There are already signs of global warming, say many scientists. Over the next century, average temperatures could rise by as much as four degrees centigrade.

Choose the correct answers.
1. This passage is about
   (a) carbon dioxide in the atmosphere.
   (b) how air pollution is a global problem.
   (c) how some countries pollute the air.
   (d) the effects of global warming.
2. The Chernobyl disaster showed that
   (a) the atmosphere has not changed.
   (b) scientists do not understand air pollution.
   (c) air pollution is mainly a local problem.
   (d) pollutants in the air can travel far.
3. Carbon dioxide
   (a) is produced by the burning of coal and petroleum.
   (b) is produced by forests.
   (c) was produced by the Chernobyl disaster.
   (d) is no longer produced by natural process.
4. Air pollution from burning fuels has caused.
   (a) a decrease in carbon dioxide levels.
   (b) a dramatic increase in carbon dioxide levels.
   (c) no change in carbon dioxide levels.
   (d) a small increase in carbon dioxide levels.
5. The “greenhouse effect” will
   (a) lead to a cooler climate worldwide.
   (b) cause the earth’s forest to disappear.
   (c) lead to a warmer climate worldwide.
   (d) increase the levels of carbon dioxide.
Section II: Cloze. (15%)
Psychologists agree that most of us have creative potential that is _____6_____ than what we use in daily life. In other words, we can be more creative than we realize! The problem is _____7_____ we mainly use only half of the brain - the left hemisphere. From childhood, we are _____8_____ reading, writing, and mathematics in school, but we are exposed to very little music or art. Therefore, many of us might not “exercise” our right hemisphere much, except _____9_____ dreams, symbols, and those wonderful insights in which we suddenly find the answer to a problem that has been bothering us — and do so without the _____10_____ for logic. Can we be taught to use the right hemisphere more? Many experts believe so.

6. (a) great (b) greater (c) greatest (d) the greatest
7. (a) which (b) in which (c) that (d) because of
8. (a) teach (b) taught (c) teacher (d) teaches
9. (a) because (b) about (c) through (d) though
10. (a) need (b) needing (c) necessarily (d) necessary

Section III: Grammar. (40%)
11. I wish Janet _____11_____ to the meeting this afternoon.
   (a) came (b) could come (c) can come (d) will come
12. Monetary gifts can be tax free if they _____12_____ for worthwhile ends.
   (a) are to use (b) is used (c) are to be used (d) is being used
13. Jimmy never seems to get angry. I sure wish I _____13_____ her patience.
   (a) would have (b) have (c) have had (d) had
14. Perhaps it will be a long time _____14_____ from abroad.
   (a) when Tom comes back (b) when Tom will come back
   (c) before Tom comes back (d) that Tom comes back
15. “The street is slippery.” “Hold my arm _____15_____.
   (a) so that you don’t fall (b) that you couldn’t fall
   (c) so you wouldn’t be falling (d) that you won’t be falling
16. I wish you _____16_____ making that noise. It’s bothering me...
   (a) can stop (b) stop (c) are going to stop (d) would stop
17. I expect Mary _____17_____ here early tonight. She should arrive in the next half hour.
   (a) coming (b) to come (c) having come (d) to have come
18. _____18_____ Kim reaches here, we’ll go right away to the meeting room.
   (a) Since (b) Until (c) Now that (d) As soon as
19. For the most part, young children spend their time playing, eating, and _____19_____ a lot.
   (a) they sleep (b) sleeping (c) sleep (d) they are sleeping
20. "Why wasn’t Jane in class?" "She overslept and was _______ late that she missed the bus."
   (a) too   (b) so
   (c) much   (d) very

21. "He helps you quite a lot."
   "We feel grateful _______ his help."
   (a) to   (b) in
   (c) for   (d) with

22. "How are you going?"
   "We are going _______ boat."
   (a) in   (b) by
   (c) on   (d) with

23. Erin likes to swim, jog, and _______ tennis.
   (a) plays   (b) play
   (c) to play   (d) playing

24. It is possible for a microscope _______ one or more lenses.
   (a) has   (b) have
   (c) that has   (d) to have

25. Pictures _______ with a telescope are inverted.
   (a) taken   (b) they took them
   (c) to take   (d) are taken

26. Joe won’t graduate this semester _______ he works hard.
   (a) because   (b) in the event that
   (c) unless   (d) only if

27. The students were very angry _______ they were asked to leave the gym.
   (a) then   (b) during
   (c) each time that   (d) when

28. Younger kids are more dependent _______ older kids.
   (a) when   (b) or
   (c) than   (d) as of

29. Please remember _______ your hand during the test if you have a question.
   (a) raising   (b) to raise
   (c) having raise   (d) to have raised

30. If I weren’t working for an accounting firm, I _______ in a bank.
   (a) work   (b) will work
   (c) have worked   (d) would be working

Section IV: Composition. (30%)
In NOT MORE than 50 words, write "How important is a Master’s degree to you?" (NOTE: DO NOT EXCEED more than 50 words or extra points will be deducted.)