

 <p>Les Routes du Ciel, Notre Métier</p>	<p>Cycle PA <span style="float: right;">Session d'août 2015</span></p> <p style="text-align: center;"><b>CONCOURS D'ENTREE A L'ERSI</b> <b><u>Epreuve d'Anglais</u></b></p> <p>Durée : 2h <span style="float: right;">Documents Non autorisés</span></p> <p><small>Epreuve C</small></p>	 <p>ERSI Ecole d'Excellence</p>
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## SECTION A: READING (5mks)

Read the following passage carefully and then answer the questions below it.

### Hibernation

Hibernation is one of the main adaptations that allow certain northern animals to survive long, cold winters, Hibernation is like a very deep sleep that allows the animals to save their energy when there is little or no food available. The body functions of 'true hibernators' going through several changes while they are hibernating. Body temperature drops by more than 30 degrees Celsius, and its heart rate slows from 80 to 4 beats per minute! Other true hibernators include the jumping mouse, little brown bat, eastern chipmunk, and several ground squirrels. Other animals, such as the skunk and raccoon, are not considered true hibernators, as they wake up in the winter to feed, and their body functions do not change as much. Since they only sleep for a little bit at a time, the term dormancy or 'light sleeping' is used to describe their behavior. The largest animals to hibernate are the bears. Their heart rate may slow down from a usual 40 -50 beats per minute, but their body temperatures changes very little, so they are able to wake up quickly.

Hibernating animals have a special substance in their blood called *hibernation inducement trigger, or HIT*. This substance becomes active in the fall (autumn) when the days become colder and shorter. When HIT becomes active, the animal starts preparing for winter. Some animals store food so that they can eat when they wake up, and some animals eat a lot in late summer and fall to add excess fat to their bodies. This fat keeps them warmer and acts as a source of energy while they are sleeping. Some animals also make changes to the places where they will sleep (den). They add leaves and grasses to keep warm.

### Questions

- 1) Why do animals hibernate?

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2) What changes occur in the function of an animal's body when it hibernates?

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3) What is the term used to describe the behavior of raccoons and skunks?

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4) What does HIT stands for?

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5) How do animals prepare for hibernation?

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## SECTION B: ENGLISH IN USE

*Choose the correct answer from the multiple choice questions.*

1) This is the \_\_\_\_\_ book I have ever read!

- a) good      b) best      c) better

2) the fire is spreading \_\_\_\_\_

- a) Fast      b)fastly      c) quick

3) He is \_\_\_\_\_ fire fighter

- a) a    b) an      c) –

4) if you \_\_\_\_\_ you will succeed

- a) will try      b) tried c) try

5) I hope he \_\_\_\_\_ come back again

- a) is going to b)will      c)–

6) do you mind \_\_\_\_\_ the door now?

- a) to close    b) closing    c) close

7) please \_\_\_\_\_ quiet

- a) be    b) to be      c) you

8) he said that he \_\_\_\_\_ the city

- a) visits      b) visited    c) visit

9) don't make me \_\_\_\_\_

- a) laughing    b) to laugh    c) laugh

- 10) she \_\_\_\_\_ help you  
 a) had not been able to      b) had not able to      c) had not could
- 11) the house \_\_\_\_\_ in 1983  
 a) was build    b) was built    c) built
- 12) I \_\_\_\_\_ anything like this before.  
 a) Had never ate                  b) had never eat      c) had never eaten
- 13) we \_\_\_\_\_ in your office last year  
 a) Have worked      b) worked      c) will work
- 14) my \_\_\_\_\_ care is white  
 a) Friend                  b) friends      c) friend's
- 15) we saw her \_\_\_\_\_ Christmas, 2004  
 a) in    b) on                  c) at
- 16) He \_\_\_\_\_ me for dinner  
 a) Did not invite      b) invited me not      c) did not invited
- 17) The girl \_\_\_\_\_ I will meet tonight is my best friend.  
 a) Which                  b) what                  c) who
- 18) I have never seen these \_\_\_\_\_  
 a) Woman    b) women      c) womans
- 19) There are not \_\_\_\_\_ apples left  
 a) Any      b) some      c) anything
- 20) Find the correct word order! Which of these sentences is correct?  
 a) He drinks with his friends often tea  
 b) he drinks tea often with his friends  
 c) he often drinks tea with his friends

## SECTION C: WRITING

*Choose one of the topics below and write on it in about 150 words:*

- 1) Describe an accident you witnessed.
- 2) Talk about the profession you admire most