

Signature des
 surveillants

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Epreuve de :

Nom : Prénoms : **KEH**

Institution d'origine :

Identifiant :

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Série :

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Total des doubles
 feuilles remises

..... 1

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Concours Nationaux d'Entrée aux Cycles de Formation
 d'Ingénieurs (session Juin 2004)

Total des doubles
 feuilles remises

..... 1

Epreuve de : ANGLAIS (ANSWER SHEET).....

PART I: (30)

I-

A	B	C	D
X		X	

II-

Cause	Effect
Advances in food, public health & medicine	Rise in life expectancy
1 Decoding of human genome	1 understanding of how the body works
Space exploration	1 a) putting men on the moon 1 b) probing distant planets 1 c) lofting hundreds of satellites

III-

2 (1.5x4): Acid rain
 the ozone hole
 Nuclear waste
 global warming / environmental toxins

IV - a) Some people are disillusioned with biotechnology because it could lead to harm (undermining the sanctity of human life)

2 (2x1) b) In the USA, there seems to be a decline in interest in science in general, and engineering studies in particular, as shown by the declining number of American students in full-time engineering programs.

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(5x1) = 5

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x

4 = (4x1)

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4 (2x2)

3

2 (1x4)

4 (4x1)

V- (No need for the students to list all items)

Urban planning	waste water use, congestion highways, hazard mitigation, pollution control
Weather	understanding the nuances of climate change
Security	countering the spread of nuclear arms and germ weapons
Energy	developing new sources of energy

- VI-
- a) False § 7 Scientific fields rise and fall in cycles.
 - b) False § 4 G.M. biotechnology has fed worries about G.M. foods.
- VII-
- a) The physical sciences have reached a dead end. (no more major developments)
 - b) There may be major breakthroughs and discoveries in the future.
- VIII-
- (No standard answer) Life without interest in science = life long in the dark ages.
- IX-
1. b - disillusion
 2. a - controlling it
 3. c - chance
 4. b - rose sharply
- X-
- a) breakthroughs
 - b) to cope with
 - c) seed
 - d) general

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x

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10

PART II: 30

1.

1	popularity
2	In fact
3	attendance
4	due to
5	Furthermore

6	location
7	lower
8	What's more
9	environmental
10	In short

2.

1	is accepted
2	discovered
3	acts
4	have been made
5	behave

6	describing
7	drew up
8	arranged
9	to predict
10	were discovered

3.

1	In
2	protect/save/preserve
3	the
4	an
5	are

6	for
7	that
8	number
9	about/approximately/nearly, et
10	to

10

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PART III: 20

A - Translation:

The advances achieved over the last few years in biotechnology have fed worries of an ethical nature that could lead to the adoption of stricter regulations.

B - Writing:

No standard answer

(Marking guidelines and criteria will be agreed upon for the essay on the first day of marking)

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