

EPREUVE D'ANGLAIS VERSION A 1H 30

TEXT: MATHEMATICS AND ITS APPLICATIONS

Read the following text and choose the right answer among the multiple choice options below

Every area of mathematics has its own unique applications to the different career options. For example Algebra: computer sciences, cryptology, networking, study of symmetry in chemistry and physics. Calculus (differential equations): Chemistry, biology, physics engineering, the motion of water, rocket science, molecular structure, option price modeling in business and economics models, etc...Students are encouraged to give serious attention to their future. The career world is competitive!

Most of university degrees require mathematics. [Students who choose] not to take mathematics seriously or to ignore it in high school forfeit many future career opportunities that they could have. They essentially turn their backs on more than half the job market. The importance of mathematics for potential careers cannot be over emphasized. To get degrees in the following areas one need to have good knowledge of mathematics and statistics.

The physical sciences (chemistry, physics, engineering), the life and health sciences (biology, psychology, pharmacy, nursing, optometry), the social science, including Anthropology, communications, Economics, Linguistics, Education, geography, the technical sciences, like computer science, networking, software development Business and commerce, Medicine and Actuarial science, used by insurance companies.

From a website adapted by Mr Gbeada

A/ COMPREHENSION

1. *The writer of this text wants to show theof Mathematics.*

- A Role B importance C use

2. *Algebra is an.....of Mathematics?*

- A application B Area C subject

3. *How many areas of mathematics are described in the text?*

- A two B three C ten

4. *How many applications of mathematics are described in the text?*

- A two B many C four

5. *Biology is an application of Mathematics*

- A true B false C possible

6. *Calculus is a branch of Mathematics which deals with*

- A quantities B numbers C geometry

7. *Algebra is a branch of Mathematics where*

- A equations are used B numbers are used C letters represent quantities

8. *Rocket science is concerned with*

- A War rockets B space exploration C making sockets

9. *The motion of water is application which concernsof water*

- A the movements B the properties C the importance

10. *“To forfeit means to*

- A do good B to do wrong C to miss the opportunity

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11." *Biology is a*

- A social science B physical science C life and health science

12." *Networking and software development are*

- A educational sciences B technical sciences C social sciences

13. *The job market is synonym of*

- A where we sell jobs B employment C the market of degrees

14. *A career is a*

- A qualification B a profession C long studies

B/ LANGUAGE USE

15." *The first sentence of the text is in the*

- A active voice B present perfect passive C passive voice

16. "Students are encouraged to give serious attention to their future" is in.

- A active voice B present perfect passive C passive voice

17."Emphasized" P2 is

- A active voice B present perfect passive C passive voice

18. *An actuary is*

- A an engineer B the Director C a clerk

19. *In the sentence "Students who choose" "who" is a...*

- A connector B relative pronoun C an adjective

20. *in the sentence "They essentially turn their backs", "essentially" is.....*

- A an adverb B an adjective C a pronoun