

UCAC-ICAM INSTITUTE

Entrance Examination- August 2019 – International and Entrepreneurship GENERALIST ENGINEER

COURSE

Reserved for the Institute Score :	<input checked="" type="checkbox"/> International and Entrepreneurship GENERALIST ENGINEER COURSE. English Paper – Time : 45 mn Calculators and documents are not allowed– Number of pages : 04 Answer only on the answering sheet; to be submitted at the end-time equally with the question sheet.	Reserved for the Institute Anonymous N° :
---------------------------------------	--	---

COMPREHENSION

Read the following passage carefully and answer the questions that follow it

Start by filling in your names, surnames examination center and your seat number below.

Answer directly on the answering sheet which must be submitted at the end of the exam as well as the question paper.

Invigilators have the right to exclude from the competition any candidate trying to copy from another candidate, or who is caught with any document, or who begins writing before the start-up time or who continues to write after the end of the time.

Notice :

Carefully read the text and answer all the questions below.

Put a **cross** on the square in front of the **right** answer :

For every right answer, you will be allocated (1mark) ;

For any wrong answer, you will be subtracted (0.25mark). No answer = 0 mark



STEM stands for science, technology, engineering, and mathematics. STEM is important because it pervades every part of our lives. Science is everywhere in the world around us. Technology is continuously expanding into every aspect of our lives. Engineering is the basic designs of roads and bridges, but also tackles the challenges of changing global weather and environmentally-friendly changes to our home. Mathematics is in every occupation, every activity we do in our lives. By exposing students to STEM and giving them opportunities to explore STEM-related concepts, they will develop passion for it and hopefully pursue a job in the STEM field. A curriculum that is STEM-based has real life situations to help the student learn. Programs like Engineering For Kids integrates multiple classes to provide opportunities to see how concepts relate to life in order to hopefully spark a passion for a future career in a STEM field. STEM activities provide hands-on and minds-on lessons for the student. Making math and science both fun and interesting helps the student to do more than just learn.

UCAC-ICAM INSTITUTE

Entrance Examination- May 2019

DO NOT RECORD

English Paper – Time : 45 mn

QUESTIONS

SECTION A: Multiple Choice Questions (MCQs):

1. STEM is needful because...
 - a) It cuts across all fields of human existence.
 - b) It brings development.
 - c) It offers jobs.
 - d) It requires more investments.
2. Engineering contributes in...
 - a) Designing roads and bridges.
 - b) Not only designing roads and bridges but also problems relating changing global weather.
 - c) Designing roads, bridges and also dealing with challenges of changing global weather and environment-related challenges.
 - d) Designing roads and bridges, buildings, climate-related and environmental challenges.
3. A typical STEM-based curriculum has...
 - a) Hands-on and minds-on activities for the student.
 - b) Real life situations that allow students to learn.
 - c) Concepts that relate to life.
 - d) Activities that spark a passion for a future career in STEM field.
4. Introducing students to STEM education at an early stage can...
 - a) Develop their arithmetic and calculus skills.
 - b) Push them to develop a positive attitude and boost their passion for the subject
 - c) Open their mind for studies and careers in engineering.
 - d) Motivate them to become researchers and scientists.
5. For STEM education to effective in an educational system, we need to...
 - a) Build more technical schools and train teachers.
 - b) Open specialized faculties for STEM education programs.
 - c) Equip the existing schools with laboratories and further train teachers of science subjects on STEM education.
 - d) Give more scholarships to girls to take STEM education programs abroad.

UCAC-ICAM INSTITUTE

Entrance Examination- May 2019

DO NOT RECORD

English Paper – Time : 45 mn

SECTION D: TRANSLATION

Select the letter that corresponds to the most suitable answer and fill in the answer sheet.

16. Cette école forme des ingénieurs du génie civil.
- a) That college forms civil engineers.
 - b) This school forms engineers civils.
 - c) This school trains civil engineers.
 - d) This institute trains civil engineerings.
17. Les cours de préparation ont été lancés.
- a) Classes of preparation are launched.
 - b) Preparatory classes have launched.
 - c) Preparatory courses have been launched.
 - d) Preparatory classes have been launched.
18. Veuillez déposer vos dossiers à la porte 101.
- a) Deposit your dossiers at door 101.
 - b) Submit your dossiers at room 101.
 - c) Kindly deposit your files at room 101.
 - d) Kindly submit your files at room 101.
19. La maîtrise de l'économie numérique est un atout.
- a) The master of numeric economy is a good thing.
 - b) Mastery numeric economy is good.
 - c) The mastery of digital economy is an asset.
 - d) Mastering digital economy is the asset.
20. Le délai de dépôt des devoirs est fixé au 30 mai.
- a) The date line to deposit assignments is May, 30.
 - b) The deadline to hand in assignments is May, 30.
 - c) The delay to deposit assignments is May, 30.
 - d) The delay to hand in assignments is May, 30.