00344
THE OPEN UNIVERSITY OF SRI LANKA
20 OCT 2023
EXAMINATION DIVISION

The Open University of Sri Lanka
Department of Physics
Bachelor of Science Degree Programme-2023/2024
Communication Skills -PCU 1163/FNU3201 -Level 3
Final Examination

Date: 20-October -2023 **Time: 9.30 a.m.-11.30 a.m.**

Index No	.....

Instructions to Candidate

(1) This paper consists of Five (5) questions and you are asked to write answers to all the questions.

(2) Your hand writing must be legible.

(3) You must write your index number in the box provided.

(4) Write answers on the papers itself.

(5) Every question carries equal marks.

Question No	Marks
1	
2	
3	
4	
5	
Total	

Q-1. Read the paragraph and answer the questions given below.

Lunar Exploration

The thirst Of knowledge has always been the major driving force for many explorations in general and especially in space exploration. The mankind has always been much inquisitive about the origin of our planet Earth, formation of the solar system, celestial bodies and also the universe itself. The advancement of technology made an impetus to explore the space, study the characteristic behaviour of planetary system and the exploration of our nearest neighbour Moon has been in the natural sequence, because it preserves four billion years of history of the solar system in it. Since the Moon has always evoked intense curiosity with in the mankind, the initiation of lunar exploration began as early as 1959, more than 100 exploratory missions have been carried out and a wealth of lunar data has been accumulated by various countries in the world like America, Russia, China, Israel and India. However, many critical and fundamental questions about Moon's origin, its formation and interior structure like, chemical and mineralogical composition are still to be explored.

The Apollo mission was carried out by the Americans from the year 1957 and Apollo 11, which was launched into space from the Kennedy Space Centre Florida, began its epic voyage to the Moon on 16th of July in 1969. Commander Neil A. Armstrong, Lunar Module Pilot Edwin Aldrin, and Command Module Pilot Michael Collins were the American astronauts who were on board. After 24 hours in lunar orbit, the command or service module, Columbia, Armstrong and Aldrin began their descent to the lunar surface in the Eagle while Collins stayed in the command module to pilot the Columbia. The lunar module touched down on the Moon at Tranquility Base on 20 th of July, 1969, at 4:17 P.M. At 10:56 P.M., Armstrong stepped onto the lunar surface, becoming the first person to walk on the Moon. "That's one small step for man, one giant leap for mankind," declared Armstrong. After that many moon missions were carried out by many nations around the world.

China's lunar mission was the first mission to land a human made rover on the far side of the Moon. Its probe is composed of a lander, rover, and the Queqiao relay satellite. Queqiao was successfully launched on 21 st of May in 2018, and entered the Halo orbit of the point on 14 th of June 2018, becoming the first satellite to connect the Earth and the Moon's far side. The lander carrying Yutu-2 was successfully launched on December 8, 2018, and landed in the Von Kármán crater. It carried nine science instruments. Four instruments are on the lander they are the landing camera, a terrain camera, a low-frequency radio spectrometer, and a lunar lander neutron and a dosimetry. The other four instruments are on the rover they are, a panoramic camera, a visible and near-infrared imaging spectrometer, a lunar penetrating radar and an advanced small analyzer for neutrals provided by Sweden.

For the purpose of studying the south pole of moon which is not yet being touched by any nation in the world, India sent Chandrayaan 3 to moon surface. The mission consists of a lander, a rover, and an orbiter. The lander, Vikram, deployed the rover, Pragyan, which began exploring the Moon's surface on 2 nd of September 2023. The orbiter, Chandrayaan-3 is supposed to collect data about the Moon's atmosphere, surface, and interior. The data that is collected by Chandrayaan 3 will help scientists to understand better the Moon and its potential for future human exploration. The mission is expected to last for one year.

(1) Who has been always much inquisitive about the origin of the planet Earth? 00344

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(2) What has always been the major driving force for many explorations?

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(3) Why did the mankind have an intense curiosity to explore Moon according to the text?

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(4) What are names of the countries that are involved in the exploration of Moon?

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(5) Who could carry out a manned mission to explore Moon?

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(6) What does Niel Armstrong's declaration mean which he made just before he landed on Moon?

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(7) Name the nine science instruments the Chinese carried on to the moon?

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(8) Where did Indians land their lander on Moon?

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(9) Of the Moon exploration mission of Indians what collected data about the Moon's atmosphere, surface, and interior?

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(10) As a Sri Lankan and as an Asian how do you admire Indian's successful mission to moon. Write a paragraph about 50 words.

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Q-2. Read the Paragraph carefully and fill in the blanks using the words given below. 00344

Human evolution is the (1) ..... process of change by which people originated from apelike ancestors. Scientific evidence shows that the physical and behavioral traits shared by all people originated from apelike (2) ..... and evolved over a period of (3) ..... six million years.

One of the earliest defining human traits, (4) ..... the ability to walk on two legs evolved over 4 million years ago. Another important human (5) ..... such as a large and complex (6) ....., the ability to make and use tools, and the (7) ..... for language developed more recently. Many advanced traits including complex (8) ..... expression, art, and elaborate cultural (9) ..... emerged mainly during the past 100,000 years.

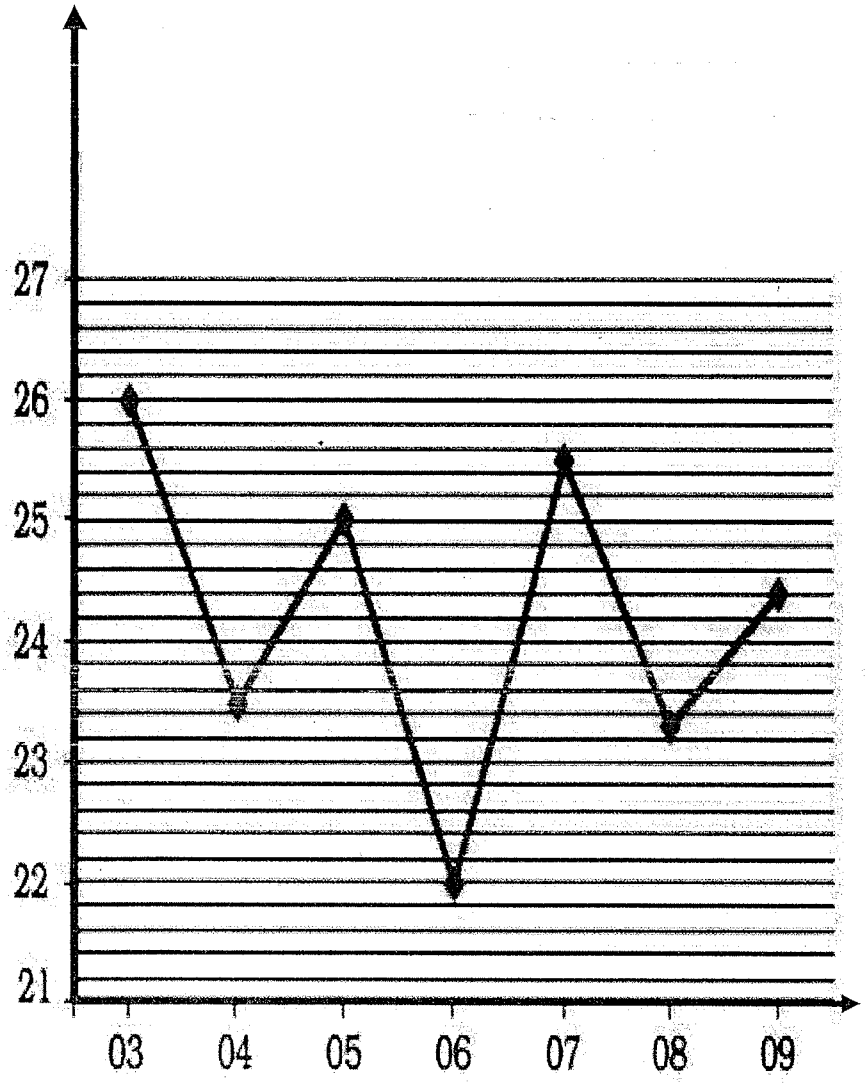
Humans are primates. (10) ..... and genetic (11) ..... show that the modern human species, (12) ....., has a very close relationship to another group of primate species, the apes. Humans and the great apes of Africa chimpanzees and (13) ..... share a common ancestor that lived between 8 and 6 million years ago. Humans first evolved in Africa, and much of human evolution occurred on that continent. The fossils of early humans who lived between 6 and 2 million years ago come (14) ..... from Africa.

Most scientists currently (15) ..... some 15 to 20 different species of early humans. Scientists do not all agree, however, about how these species are related or which ones simply died out. Many early human species (16) ..... the majority of them left no living descendants. Scientists also debate over how to identify and classify particular species of early humans, and about what factors influenced the evolution and (17) ..... of each species.

Early humans first (18) ..... migrated out of Africa into Asia probably between 2 million and 1.8 million years ago. They entered Europe somewhat later, between 1.5 million and 1 million years. Species of modern humans (19) ..... many parts of the world much later. For instance, people first came to Australia probably within the past 60,000 years and to the Americas within the past 30,000 years or so. The beginnings of (20) ..... and the rise of the first civilizations occurred within the past 12,000 years.

agriculture	migrated	similarities	extinction	gorillas					
diversity	Physical	lengthy	certainly	entirely					
populated	recognize	Homosapiens	characteristics	symbolic	capacity				
brain	bipedalism	approximately	ancestors						

Q-3. This line graph is plotted based on the data table which illustrates the variation of maximum temperature figures in the month of August in 2006 in Hanguranketha area in Sri Lanka. Describe the chart identifying the trend in the space provided using not more than 150 words.



Date	Maximum temperature
03-08-06	26.0°C
04-08-06	23.5°C
05-08-06	25.0°C
06-08-06	22.0°C
07-08-06	25.5°C
08-08-06	23.3°C
09-08-06	24.4°C

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Q-4. Prepare your Curriculum Vitae in the space provided with the qualifications and experience that must be satisfying the needs of the job opportunity that is advertised below with the names of the two non-related referees in the chronological order (with the relevant date, month, and year).

EXCITING CAREER OPPORTUNITIES

Our client is a large progressive organization having fast moving consumer brands that are market leaders all over Sri Lanka Italy, Europe and USA. In order to expand and increase the out reach the organization has decided to hire services of following professionals in Colombo and Kandy in Sri Lanka

Resident Manager would be responsible for project start up, setting up of manufacturing facility, labour handling and meeting deadlines. He /She should have college education, proficiency in spoken and written Urdu and English; relevant experience in management would be a distinct advantage. Applicants should be proficient in use of computers and between 28-37 years of age.

Our client will offer attractive remuneration package along with conducive and congenial working environment.

Interested candidates may send their application latest in a week to manager.snd@gmail.com or send through box No. 937 c/o Daily Jang, Sri Lanka

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Q-5 Write a topic and a topic sentence to the following Paragraphs.

(A) Humanity is the human race, which includes everyone on Earth. It is also a word for the qualities that make us human, such as the ability to love and have compassion, be creative, and not be a robot or alien.

Topic

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Topic sentence

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(B) Wildlife is a precious gift of God to this planet. The term 'wildlife' not only caters to wild animals but also takes into account all undomesticated lifeforms including birds, insects, plants, fungi and even microscopic

Topic

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Topic sentence

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(C) The ozone layer sits in the stratosphere between 15 km and 30 km above the earth and shields us and other living things from the sun's harmful ultraviolet radiation. Ozone layer depletion could have serious effects on human health and the environment.

Topic

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Topic sentence

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(C) The word health refers to a state of complete emotional, mental, and physical well-being. Healthcare exists to help people stay well in these key areas of life.

Topic

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Topic sentence

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(D) The paper identifies a distinctive feature of friendship. Friendship, it is argued, is a relationship between two people in which each participant values the other and successfully communicates this fact to the other

Topic

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Topic sentence

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