**Nepal college of Information Technology**

**Balkumari, Lalitpur**

**Assessment**

**Set- A**

Level: **Bachelors** Semester: **I** Year: **2020**

Program: **BE** Course: **Communication Technique**

Time: **3 hrs.** Full Marks: **100** Pass Marks: **45**

*Candidates are expected to answer the questions in their own words as far as practicable. The figures in the margin indicate full marks.*

*Answer all the questions.*

1. Read the following passage and answer the questions that follow. 15

There is increasing evidence that the impacts of meteorites have had important effects on earth, particularly in the field of biological evolution. Such impacts continue to pose a natural hazard to life on earth. Twice in the twentieth century, large meteorite objects are known to have collided with earth. If an impact is large enough, it can disturb the environment of the entire earth and cause an ecological catastrophe. The best documented such impact took place 65 million years ago at the end of the Cretaceous period of geological history. This break in earth’s history is marked by a mass extinction, when as many as half the species on the planet became extinct. While there are a dozen or more mass extinction in the geological record, the Cretaceous mass extinction has always intrigued paleontologists because it marks the end of the age of the dinosaurs. For ten millions of years, those great creatures had flourished. Then suddenly they disappeared.

The body that impacted Earth at the end of the Cretaceous period was a meteorite with a mass of more than trillion tons and a diameter of at least 10 kilometers. Scientists first identified this impact in 1980 from worldwide layer of sediment deposited from the dust cloud that enveloped the planet after the impact. The sediment layer is enriched in the rare metal iridium and other elements that are relatively abundant in a meteorite but very rare in the crust of Earth. Even diluted by the terrestrial material excavated from the crater, this component of meteorites is easily identified. By 1990 geologists had located the impact site itself in the Yucatan region of Mexico. The crater, now deeply buried in sediment, was originally about 200 kilometers in diameter. This impact released an enormous amount of energy, excavating a crater about twice as large the lunar crater Tyocho. The explosion lifted about 100 trillion tons of dust into the atmosphere, as can be determined by measuring the thickness of the sediment layer formed when this dust settled to the surface. Such a quantity of materials would have blocked the sunlight completely from reaching the surface, plunging Earth into a period of cold and darkness that lasted at least several months. The explosion is also calculated to have produced vast quantities of nitric acid and melted rock that sprayed out over much of earth, starting widespread fires that must have consumed most terrestrial forests and grasslands. Presumably, those environmental disasters could have been responsible for the mass extinction, including the death of the dinosaurs.

**Questions:**

1. What are the impacts of meteorites?
2. Why does the author include the information about dinosaurs?
3. How did scientists determine that a large meteorite had impacted on earth?
4. Write the impact at the end of the Cretaceous period.
5. Summarize the text in three sentences.
6. Answer ***any three*** of the following questions. 15
   1. How does wisdom help individual to use the knowledge for the betterment of mankind? (Knowledge and Wisdom)
   2. What are the purposes of carrying out the preliminary surveys while laying the foundations of the road? (Road Foundations)
   3. “For we are the lost citizens of the world, weep not for me, oh my mother.” What does the statement imply in the poem? (A Letter from the Foreign Grave)
   4. What is the conventional attitude about beauty that Susan Sontag seeks to discredit? (Beauty)
   5. What is your opinion regarding the death of Mrs. Mallard? Interpret in your own way. (The Story of an Hour)
7. a) Assume that you are the Manager of the Department of Sales of Opal Computers and Electronics Pvt. Ltd. Now write a letter to the wholesaler informing about any newly arrived and lunched product with salient features. 8

b) Suppose that you are the Secretary of the newly elected youth club in your locality. Imagine at least three agenda and write the complete minutes of meeting held recently. 7

1. a) Read the following passage and make notes. 8

An upsurge of new research suggests that animals have a much higher level of brain brainpower than previously thought. If animals do have intelligence, how do scientists measure it? Before defining animals’ intelligence, scientists defined what not intelligence is. Instinct is not intelligence. It is a skill programmed into an animal’s brain by its genetic heritage. Rote conditioning is also not intelligence. Tricks can be learned by repetition, but not real thinking is involved. Cuing in which animals learn to do or not to do certain things by following outside signals, does not demonstrate intelligence. Scientists believe that insight, the ability to use tools, and communication using human language are all effective measures of the mental ability of animals. When judging animal intelligence, scientists look for insight, which they define as a flash of a sudden understanding. When a young gorilla could not reach fruit from a tree, she noticed crates scattered about the lawn near the tree. She piled the crates into a pyramid, and then climbed on them to reach her reward. The gorilla’s insight allowed her to solve a new problem without trial and error. The ability to use tools is also an important sign of intelligence. Crows use sticks to pry peanuts out of cracks. The crow exhibits intelligence by showing it has learned what a stick can do. Likewise, otters use rocks to crack open crab shells in order to get at the meat. In a series of complex moves, chimpanzees have been known to use sticks and stalks in order to get at a favorite snack-termite. To make and use a termite tool, a chimp first selects just the right stalk or twig. He trims and shapes the stick, and then finds the entrance to a termite mound. While inserting the stick carefully into the entrance, the chimpanzee turns it skillfully to fit the inner tunnels. The chimp attracts the insects by shaking the twig. Then it pulls the tool out without scraping off any termites. Finally, he uses his lips to skim the termites into his mouth.

b) Prepare a manuscript of technical talk/seminar paper on “Role of Technical Human Resources in building new Nepal”. 7

5. a) Imagine that you are the Coordinator of a committee that is organizing an excursion for the students of BE program of your college. Now, as the coordinator of the excursion program, write a memo to all the members of excursion team mentioning all the details of the departure, place, time and other suggestions if any. 7

b) Suppose that there is a vacancy announcement at the Innovative Engineering Consult Pvt. Ltd. for the post of a Engineer for its new project aided by UNDP. Now, write a job application for the post as a qualified and competent candidate. 8

6. a) Imagine that you are the President of Nepal Guardians’ Organization, Pokhara University Chapter. You organization is worried the students’ depreciating interest in the studies. Prepare a proposal to be submitted to Pokhara University to make a survey among the students of BE so as to find out the solution of the problem. In the proposal, include the sub headings like: Introduction, Statement of Problem, Objectives, Methodology, Budget, Output, etc. 10

b) Write a paragraph on “Importance of Technical Communication for engineering students”. 5

7. a) Change the following sentences according to the variety labels in the parentheses. 5

1. One should not ignore his parents’ advises. (BrE)
2. They urged that the culprit should be produced before the police within twenty four hours. (AmE)
3. I wonder if you would mind lending me your car. (Familiar)
4. You must follow the rules and regulations of the college. (Impersonal)
5. They did a skin test. (Formal)

b) Transform the following sentences as indicated in the brackets. 5

1. I have lost the book which my sister gifted me. (Compound)
2. The letter having been written was posted. (Complex)
3. Tell me what your plan is. (Simple)
4. The proprietor scolded the servant for his negligence. (Complex)
5. Although Jack attempted his best, he failed to win the gold medal. (Simple)

The End