

KATHMANDU UNIVERSITY  
End Semester Examination  
May/June, 2022

Marks Scored:

Level : B.E./B.Sc./B.Tech.

Year : I

Exam Roll No. :

Time: 30 mins.

Course : ENGT 105

Semester : II

F. M. : 10

Registration No.:

Date : *June-10, 2022*

SECTION "A"

[10Q. × 0.5 = 5 marks]



Encircle the best alternative for each question given below.

- Vasili Svietlovidoff, a 68-year-old theatre artist, narrates all the following to a prompter except ....
  - his passion and dedication to the theatre
  - the applaud of the spectators at his performance
  - his difficult childhood and the mothers' support
  - the unsuccessful love story of his life
- V. S. Ramachandran states the role of all the following elements in making anyone a scientist except ....
  - readiness to tolerate physical discomfort
  - inspiration from family and teachers
  - contribution from the country that the scientist works
  - involvement in assembly line type of research
- In Huxley's example of a man buying an apple, which scientific process was executed by the man when he said, all green apples are sour?
  - the method of induction
  - the act of experimental verification
  - the reasoning of abductive nature
  - the method of deduction
- In "The Twentieth Century: Science and Technology," Doren mentions all the following except
  - Heisenberg's Uncertainty Principle
  - Einstein's formula,  $E = mc^2$
  - Kaiser Wilhelm's start of the World War
  - Watson and Crick's description of the structure of DNA
- The speaker in "The Road Not Taken" selected the road having which of the characteristics?
  - bent in the undergrowth
  - laid with earth soil
  - four layers of bitumen
  - less travelled
- What function does qualifier do in Toulmin's model of argument?
  - lends supports to the warrant
  - limits the scope of the claim
  - provides particular instances to support the claim
  - responds to the possible objection by denying it

7. Which of the following sentence violates 'clarity'?
  - a. Erosion in turbine blade can be caused by sand particles.
  - b. Wind energy offers an important supply of electricity.
  - c. Wind turbines can be categorized based on their rotation axis.
  - d. Different sensor schemes can be used to detect fault in turbine.
  
8. Which of the following is the best example of rhetorical strategy of definition?
  - a. I am in my small peaceful paradise: the shade of the tree, the feel of the grass on my feet.
  - b. A system is a collection of people, machines, and methods organized to accomplish a set of functions.
  - c. It was another warm summer day when we were making our way back home from the beach.
  - d. A tornado blew the roof off the house, and as a result, the family had to find another place to live.
  
9. Which of the following is the best example of a sentence in literature review?
  - a. McCulloch and Pitts (1943) invented the first artificial neurone using simple binary threshold functions.<sup>7</sup>
  - b. Schaltenbrand N, Lengelle R, Toussaint M, Luthringer R, Carelli G, Jacqmin A et al. Sleep stage scoring using the neural network model: comparison between visual and automatic analysis in normal subjects and patients. *Sleep* 1996; **19**: 26–35.
  - c. The need to undertake more randomised controlled studies to prove the efficacy of AI systems in medicine is, therefore, vital.
  - d. Artificial neural network was the most commonly used analytical tool.
  
10. Which of the following component is written exclusively in the discussion section of a research article?
  - a. the method and materials used in the study
  - b. the possible reasons for unique findings in the study
  - c. the problem that exists in the existing body of literature
  - d. the research issue that can be further explored by researchers

SECTION "B"  
[5Q. × 1 = 5 marks]

Write the most appropriate word in the blank spaces.

11. While designing any document, we use the sign,  for ....., and  for .....
12. The rhetorical strategy that involves organizing information into categories is ....., and the strategy that shows anything happening because of something is .....
13. The Heading section of memo includes ....., ....., ....., .....
14. While writing a letter, we write what we are writing and why we are writing in ..... part, and what we expect as a response and by what date in ..... part.
15. The ties of sentiment between man and man are of two types, Sigmund Freud says. They are ..... and .....

KATHMANDU UNIVERSITY  
End Semester Examination  
May/June, 2022

Level : B.E./B.Sc./B.Tech.  
Year : I  
Time : 2 hrs. 30 mins.

Course : ENGT 105  
Semester : II  
F.M. : 40

---

SECTION "C"  
[8Q. × 5 = 40 marks]

Attempt *ANY EIGHT* questions.

1. Whose condition, Vasili Svietlovidoff or Sisyphus, did you find the most pathetic? Why? What would you do as an engineer to make the most pathetic character's life better? Describe.
2. Following the organizational structure of T. H. Huxley's "We Are All Scientists," write an essay on "We Are All Engineers."
3. Demonstrate your understanding of Stephen Toulmin's model of argument with an argumentative write-up.
4. The following is an excerpt from F. Scott Fitzgerald's "The Diamond as Big as the Ritz." Analyze it from the perspective of objectives in technical writing.

The father of the present Mr. Washington had been a Virginian, a direct descendant of George Washington, and Lord Baltimore. At the close of the Civil War he was a twenty-five-year-old Colonel with a played-out plantation and about a thousand dollars in gold.

Fitz-Norman Culpepper Washington, for that was the young Colonel's name, decided to present the Virginia estate to his younger brother and go West. He selected two dozen of the most faithful blacks, who, of course, worshipped him, and bought twenty-five tickets to the West, where he intended to take out land in their names and start a sheep and cattle ranch.

When he had been in Montana for less than a month and things were going very poorly indeed, he stumbled on his great discovery. He had lost his way when riding in the hills, and after a day without food he began to grow hungry. As he was without his rifle, he was forced to pursue a squirrel, and in the course of the pursuit he noticed that it was carrying something shiny in its mouth. Just before it vanished into its hole for Providence did not intend that this squirrel should alleviate his hunger it dropped its burden. Sitting down to consider the situation Fitz-Norman's eye was caught by a gleam in the grass beside him. In ten seconds he had completely lost his appetite and gained one hundred thousand dollars. The squirrel, which had refused with annoying persistence to become food, had made him a present of a large and perfect diamond.

5. Prepare full-sentence outline for ten-minute presentation on "Comparison and Contrast" rhetorical strategy.

6. Process analysis includes a review of all steps and procedures followed to perform a given activity. Demonstrate your understanding of the concept with reference to any project work that you performed this semester.
7. The following is a job opening published in a national daily. Prepare resume for the same, following the three step writing process.

Mukesh Associates is looking for Communication Officer for the World Bank funded project in Nepal.  
Project Location: Kathmandu, Nepal  
Project Duration: 3 years  
Input Required: (Full time / Part time)  
Country of Citizenship / Residence: Nepal  
Required Qualification: Bachelor's degree / written and oral communication skills / ability to work in team / working experience of 5 years / ability to work & write in both English and Nepali would be an added advantage
8. Gantt charts show the activities along with the duration for any proposed work. Recall the project work you did this semester and prepare the chart. Also, describe in a paragraph the chart that you prepared.
9. Prepare a topic outline for a concept paper on a topic of your choice, and write down the content for the background section.