



24-12-2015

DOON UNIVERSITY, DEHRADUN
Final Semester Examination, 2015, Third Semester
M. Tech. (Environmental Technology)
ETC-582: Technical and Scientific Writing

Time Allowed: 3 Hours

Maximum Marks: 50

SECTION: A (Answer in about max 100 words). Attempt any FIFTEEN questions
(Marks: 1 x 15 = 15)

1. What is the structure of a scientific article?
2. What are the main elements of a title of a manuscript?
3. What are the different types of plans to write a manuscript?
4. What is difference between introduction of an article and of a research paper?
5. Write types of articles with suitable example
6. Write five names of any research journals and scientific magazines
7. What main point should be included in conclusion part of a article?
8. What main questions should be answered in the discussion section?
9. Write types of referencing.
10. What are the main types of abstract?
11. What are keywords
12. Write about copyright law.
13. Write kinds of definition.
14. Give types of adverbs with example.
15. Give example of definite and indefinite articles.
16. What is the rule to choose a correct article?
17. Write example sentences to show passive and active tenses.
18. Write types of punctuations.
19. Give abbreviations of: etc., et al., e.g., and i.e.
20. What is the importance of statistical analysis in a research paper?

SECTION: B

Attempt FIVE questions.

(Marks: 5 x 5 = 25)

1. Discuss the preparation of a proposal including: purpose and components.
2. Write a short note on paragraph writing and plagiarism.
3. Write short notes: (Any Two)
 - a. Abstract
 - b. Summary writing
 - c. Classifying
4. Describe characteristics of scientific and technical writing.
5. Write a result paragraph using following hypothetical data:
Total sample = 125, water type = river, Area -1 is located in upstream area and Area-4 located in downstream area and Area-2 and 3 samples are from urban stretch of the river.

	pH	BOD (mg/l)	COD (mg/l)	DO (mg/l)	NO ₃ ⁻ (mg/l)	SO ₄ ⁻² (mg/l)	Coliforms (MPN)
Area-1	6.89	3.56	6.78	7.89	35.6	12.5	12
Area-2	7.89	12.56	45.6	4.56	156.8	125.6	135
Area-3	8.98	19.78	56.8	3.56	248.6	235.6	200
Area-4	7.45	6.56	11.5	5.89	142	110.	56

6. Give a suitable title and also suggest the parameters to be included in a study planned by a researcher to see the impact of Tehri Dam on local environment of adjoining area of a dam (10 Km premises) :

7. Discuss the role of peer review process in publication of research paper.

SECTION: C Attempt ALL questions.

(Marks = 10)

1. Eliminate fog sentence and correct the sentences grammatically

(4 marks)

ANY FOUR

- In considering diseases that might be ameliorated by gene therapy, a setting in which a selective advantage is conferred by a transgene expression in association with long-lived transduced cells such as T-lymphocytes may prove critical.
- Because objective measurements are prone to less observer error and reporting bias, they are preferred for use as primary outcome measures.
- No adequate clinical measures for quantifying back abnormalities in the clinical setting are currently available.
- The severity of this disease has been demonstrated to be associated with age.
- To date, no recent information is available about children who present to hospital with this condition.
- Previous studies have looked at an association between family history of disease and clinical outcome.
- Neonatal infections affected babies that were smaller and born more premature.
- The occurrence of thunderstorms was not associated with a significant risk of an epidemic of asthma (although it is acknowledged that the confidence interval around the estimate is broad).

2. Define noun and identify nouns in following text

(6 marks)

Despite the impact of excess body weight on health, self-perception of body mass in the general population has not been properly investigated. The only information comes from small, unrepresentative samples of women, particularly younger women, or from national studies in which self-reported weights may be unreliable. Until reliable information of self-perceptions of body mass is collected, it is difficult to design effective weight loss intervention strategies.

Also discuss verb tense to use throughout your paper.