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(b) Discuss significance of **any 3** in scientific writing : (2×3=6)

(i) Peer review process

(ii) Proof reading

(iii) Editing

(iv) Referencing

6. Write short note on following (**any 3**) : (4×3=12)

(a) Commentary article

(b) Journal Impact factor

(c) Multimedia in scientific writing

(d) DBT

(200)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 1240

I

Unique Paper Code : 2533012008

Name of the Paper : Scientific Writing and Communication

Name of the Course : **B.Sc. (Hons.) Microbiology**

Semester : V (Part-III)

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions.
3. **All** questions carry equal marks.
4. Answers to **all** parts of a question should be attempted together.

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1. Expand the following terms and give significance
(any 4): (3×4=12)

(a) SERB

(b) SCI

(c) APA

(d) ICMJE

(e) IMRaD

2. (a) What are the main differences between an original research article and a review article? (6)

(b) What are predatory journals? Define their characteristics. (4)

(c) What criteria should be used to determine authorship in a research paper? (2)

3. (a) What role does a literature review play in the research process. Discuss any two scientific databases utilized for conducting effective literature search. (6)

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- (b) What are open access journals? Discuss the advantages and disadvantages of publishing in open access journals. (6)

4. (a) What is the significance of securing grants for research, and how should a research proposal be structured to apply for extramural funding? (2+4=6)

(b) What is the h-index? Discuss its significance? (3)

(c) Graphical abstracts are more effective than textual abstracts. Justify. (3)

5. (a) What do you understand by plagiarism? What strategies can be employed to prevent it in academic writing? Discuss the importance of plagiarism detection tools giving suitable examples. (1+3+2=6)

P.T.O.