STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI –600 086 (For candidates admitted from the academic year 2019 – 2020 & thereafter)

SUBJECT CODE: 19BI/PC/RM24

M. Sc. DEGREE EXAMINATION, APRIL 2022 BIOINFORMATICS SECOND SEMESTER

COURSE : CORE

PAPER : RESEARCH METHODOLOGY

TIME : 3 HOURS MAX. MARKS: 100

SECTION - A

ANSWER ALL QUESTIONS (20 X 1=20)

Choose the correct answer:

1. The difference between a statistic and the parameter is called:

a) non-random

b) Probability

c) Sampling error

d) Random sampling

- 2. A literature review is
 - a) conducted after you have decided upon your research question
 - b) helps in the formulation of your research aim and research question
 - c) is the last thing to be written in your research report
 - d) is not part of a research proposal
- 3. Enumerate the long noun phrases in all the following sentences:
 - a) The boy in the blue jeans says he'll do it
 - b) Mom baked tasty chocolate cookies
 - c) Will you talk with these rude people?
- 4. IPR protect the use of information and ideas that are of
 - a) Social value b) Moral value c) Commertical value d) Ethical value
- 5. Which is the correct syntax for LaTeX table
 - a) \begin{tables}

b) \start{tabular}

c) \open{table}

d) \begin{tabuar}

Fill in the Blanks:

6.	and _	are the	e two	sampl	ing	meth	ods	S.
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- 7. _____ is examining your text carefully to find and correct typographical errors and mistakes in grammar, style, and spelling.
- 8. ____ is the punctuation used to link words together.
- 9. Intellectual property rights last for _____ years.
- 10. _____ is a collection of information that is commonly used for research and writing, including access to academic journals.

Define in single line:

- 11. Define research.
- 12. Mention any two keypoints for the preparation of poster presentation.
- 13. What are the two main uses of colon?
- 14. Expand TRIPS.
- 15. List any two software for reference management.

Say True or False:

- 16. *Archives* are the documentary by-product of human activity retained for their long-term value?
- 17. Subjecting the literature to a process of interrogation in order to assess the relevance, authenticity and reliability of the literature together with the summarising of common thematic areas of discussion is called critique analysis?

- 18. Mind map is often created around multiple concepts?
- 19. Name, symbol and logo identified as trademark?
- 20. Zotero is an online reference management tool?

SECTION - B

ANSWER ANY FOUR QUESTIONS. EACH ANSWER SHOULD NOT EXCEED 500 WORDS. ALL QUESTIONS CARRY EQUAL MARKS. $(4 \times 10 = 40)$

- 21. Comment on sampling techniques.
- 22. Brief about the citations and types with example.
- 23. Enumerate the need for pilot study.
- 24. Highlight the common errors in scientific writing.
- 25. Brief about plagiarism, types and its importance.
- 26. Discuss about the tools used for reference management.
- 27. Write a note on concept of mind maps.

SECTION - C

ANSWER ANY TWO QUESTIONS. EACH ANSWER SHOULD NOT EXCEED 1200 WORDS. ALL QUESTIONS CARRY EQUAL MARKS. $(2 \times 20 = 40)$

- 28. Illustrate the key principles in identifying the research problem.
- 29. Enumerate the importance of review of literature in directing the research.
- 30. Explain in detail on IPR.
- 31. Brief about the software used for paper formatting.
