

M.Phil Ist Semester/Ph.D Course Work Examination- 2020

Subject: Zoology

GENERAL INSTRUCTIONS TO THE CANDIDATES

- i. Question paper will be circulated digitally by (i) e-mail of the concerned candidate (if available)/What's App group constructed for the particular study/course.
- ii. A copy of the question paper will also be uploaded in the University Website.
- iii. Students have to send a **CONFIRMATION MESSAGE** either by (i) e-mail or (ii) in group What's App immediately after receiving the question paper.
- iv. If a student does not get the question paper he/she should contact with the concerned faculty member immediately to get the same.
- v. During the time of examination a student **SHOULD NOT** communicate/send the question paper to anyone by any mode.
- vi. Students have to write the (i) roll-number, (ii) registration number, (iii) name of the paper with paper code etc. prior to start the writing process. **DO NOT** write your name in anywhere in the **Answer scrip**.
- vii. Students have to write in their own page.
- viii. A4 page size with proper margin and continuous page number is to be followed.
- ix. There is **PREFERABLE** page limit to answer the questions. (a) **1 marks**: 3 lines, (b) **3 marks**: ½ page (c) **5 marks** :1½ pages and (d) **10 marks** : **3 pages**
- x. Students have to notice the mobile/cell phone until and unless the examination is over to get important messages related to examination, if any.
- xi. In addition to the normal time frame allowed in the examinations, the examinees will be allowed with an additional time of **30 (THIRTY) MINUTES** both for **DOWNLOADING** the question papers and **UPLOADING** the answer scripts for this examinations. The **FRONT PAGE** of the University Answer Scripts may be used for the examinations.
- xii. After writing, the Students will **POST** the answer script primarily by e-mail. If any case e-mail is not working then only What's App can be used to send the answer copy. If What's App is opted, the answer copy to be send **INDIVIDUALLY** to the concerned faculty members (**not in the GROUP What's App**).
- xiii. After posting the **ANSWER** script in **SINGLE PDF** format, students had to restore the hard copy of the **ANSWER SCRIPT** and **DIGITAL DOCUMETS VERY CAREFULLY** without disclosing to anyone. If required the same will be asked.

ZOOLOGY
M.Phil Ist Semester/Ph.D Course work Examination- 2020
COURSE/PAPER-ZOOMPH-1102
(General Research Methodology)

Time: 3 Hours

Full Marks: 75

Q1. Answer any Five

1x5= 5

- a) Write the correct order for the outline of thesis writing:
Preliminaries → Content → Abstract → Analysis and Presentation of results
→ Methods → References
- b) What is Deliberate sampling?
- c) What do you mean by plagiarism?
- d) What are index cards?
- e) Write one difference between deliberate sampling and random sampling.
- f) Mention two most usable methods of reference citation in the text.
- g) Expand the term CPCSEA.

Q2. Answer any Ten

3x10=30

- a) What is pilot study?
- b) Write two features of Research Design.
- c) Why reference citation is needed in article/thesis writing?
- d) What do you mean by primary and secondary data? Give example.
- e) What is systematic sampling?
- f) What are the differences between qualitative and quantitative analysis of data?
- g) What do you mean by copyright?
- h) Write the advantages and disadvantages of sampling.
- i) Why quarantine stage is necessary during handling of the laboratory animals for first time?
- j) Name the common materials used for bio-safety purpose during experimentation.
- k) What are the factors influencing the sample size?
- l) Mention briefly the methods of handling of toxic chemicals. What do you mean by GLP?

Q3. Answer any Four

5x4=20

- a) Give a note on different methods of data collection.
- b) Write a note on the census inquiry and simple random sampling.
- c) Write briefly on research design.
- d) Give a note on the recommended steps of a pilot study.
- e) Write a short note on bio-piracy.

f) How the bio safety measures are categorized according to different risk groups?

Q4. Answer any Two

10x2=20

- a) Elaborate your idea about the types of research. What are the major objectives of the research work? **7+3=10**
- b) What is the importance of Reference citation? Give the standard outline of a thesis writing. What are the basic differences between thesis and paper writing? **2+5+3=10**
- c) Discuss on the physical facilities of laboratory animals according to CPCSEA guidelines.
- d) Write on the personal protective measures taken during handling of laboratory experiments with hazardous chemicals. What kinds of biohazards usually occur in the laboratory? **4+6=10**

Answer scrip to be submitted primarily to the following e-mail account. Whats'App can be considered as second option only. If What's App is opted, the answer copy to be send **INDIVIDUALLY** to the concerned faculty members (**not in the GROUP What's App**).

Name of the faculty member	Mobile number with What' App facility	e-mail account
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