

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**  
**(A DEEMED TO BE UNIVERSITY)**

Time : 3 Hrs.

**Pre- Ph.D Examination September-2016**

**[Max. Marks : 100]**

**Paper – I**

**Research Methodology & Biostatistics**

**QP Code – 1111**

*Your answers should be specific to the questions asked.  
Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**10 X 10 = 100 Marks**

1. Describe the procedure of performing electronic literature search ( Pubmed, EMBASE, Indmed ,  
Cochrane)
2. Write a brief note on Pilot study – conduct and utility.
3. Describe different types of sampling procedures.
4. Correlation and regression.
5. Describe the structure of scientific paper, abstract, title, introduction, methods, results, discussion  
(IMARD) and conclusion.
6. Write brief note on: a) Plagiarism  
b) Authorship guidelines.
7. Write brief note on : a) ANOVA  
b) Post hoc test
8. Write brief note on: a) Blinding  
b) Randomization
9. Write brief note on : a) Systematic review  
b) Meta analysis
10. Discuss protocol writing.

\* \* \*

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**  
(A DEEMED TO BE UNIVERSITY)

Time : 3 Hrs.

Pre. Ph.D. Examinations September-2016

[Max. Marks : 100]

Otorhinolaryngology

Paper – II

Area of Specialization

Q.P Code: 4402

*Your answers should be specific to the questions asked.*

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**10 X 10 = 100 Marks**

1. Oral mucositis- current understanding and management.
2. Apoptosis in oral cancers- current understanding and its impact on developing anticancer treatment strategies.
3. Angiogenesis in oral cancer- molecular mechanism, angiogenetic pathways and its implications in management.
4. Methods in early diagnosis in oral cancers- how can it affect the problem in the future?
5. Describe the only Indian interventional study in early detection of oral cancer and the conclusions derived from it?
6. Role of concurrent chemoradiation in management of oral cancers.
7. Describe the methods of elective management of clinically negative neck in oral tongue cancers.
8. Review the literature of various neck dissections with respect to oncologic and functional outcomes in the clinically negative neck in oral cancers?
9. What has limited the development of a success module for chemoprevention after initial curative treatment- review the literature to address this point.
10. Describe the various stages of osteradionecrosis, its prevention and its management.

\* \* \*