

[LH 0415]

OCTOBER 2015

Sub. Code: 1513

M.Sc., REGENERATIVE MEDICINE

(From 2013-2014 Batch onwards)

SECOND YEAR

**PAPER III – BIOSTATISTICS AND RESEARCH METHODOLOGY, ETHICS
AND REGULATORY APPROVALS**

Q.P. Code: 281513

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. (a) Write about types of correlation and regression analysis.
(b) Chi square test.
2. (a) Good qualities of researchers and procedure of selecting a random sample.
(b) Sampling and classification of data.

II. Write notes on:

(10 x 6 = 60)

1. What is the role and application of SPSS data analysis?
2. Mann-Whitney tests.
3. Hurdles in translation of therapies to the clinic and solution.
4. Write about Indian regulation of autologous stem cell/somatic cell application in clinical trail.
5. Positive and negative eugenics.
6. Principles of biomedical ethics.
7. Different types of ANOVA.
8. Standard error and Standard deviation.
9. GLP.
10. Describe morality and ethics theories.
