

DEPARTMENT OF STATISTICS

NAME OF THE EVENT: GUEST LECTURE

- **Topic:** Innovative Themes and Career opportunities in Mathematics & Statistics
- **Date Conducted:** 15-12-2022
- **Name & Designation of Resource person:** G. Chakravarthi, HOD of Statistics in PB Siddhartha College, Vijayawada
- **Report on the guest lecturer:**

1.Objectives:

(i) To create awareness to students how to gain maximum marks in semester exams and the opportunities available for a statistician.

(ii) What is the use of doing M.Sc. in IITs or Central Universities rather than in formal Universities.

2.Notes on Lecture:

G. Chakravarthi, HOD of Statistics advised the students to prepare their own notes by using Fundamentals of Mathematical Statistics, Applied Statistics text books and Google etc. He also directed them not to by heart, learn one by one with the real-life examples and do more practice theorems & derivations etc.

In the present situation so many jobs are available for the statistics students. They are Data analyst, Data scientist, Government, Banking sectors, Financial services, Insurance, Software development, Market researcher etc. They paid highest salary like 20Lpa to 50Lpa. The starting salary for a B.Sc. Statistics graduates ranges from 4Lpa to 10Lpa.

Students on completion of M.Sc.Statistics in IITs will be preferred for a job in many MNC companies as compared to the other college students. They also will get good placement in top companies such as TCs, Wipro, Microsoft etc. as IIT have high chances of landing a job in one of the best companies.

IIT Jam, or the joint admission test for masters was first conducted in 2004 to give admission to science students in post graduate courses and has gained much crowd in just the past few years. Thousands of lives have changed after qualifying for IIT jam. The course design of IIT is also incomparable. You can even pursue an integrated M.Sc. in just 5 years from IITs. Integrated M.Sc. students enjoy a handsome stipend from their IITs. The study pattern of IITs makes students capable of qualifying for GATE or NET. Ph.d students get stipends up to one Lakh per month, much higher than state universities stipends. College offer salary packages of 20k to 30k. where as IIT jam receive an average of 100k to 150k easily.

IITJam Question paper pattern

Section-A contains a total of 30 Multiple Choice Questions (MCQ). Each MCQ type question has four choices out of which only one choice is the correct answer. Questions Q1-Q30 belong to this section and carry a total of 50 marks. Q1-Q10 carry 1 mark each and Q11-Q30 carry 2 marks each.

Section-B contains a total of 10 Multiple Select Questions (MSQ). Each MSQ type question is similar to MCQ but with a difference that there may be one or more than one choice(S) that are correct out of the four given choices. Q31-Q40 belong to this section and carry 2 marks each.

Section-C contains a total of 20 Numerical Answer Type (NAT). For those NAT type questions, the answer is a real number which needs to be entered using the virtual keyboard on the monitor. Q41-Q50 carry 1 mark & Q51-Q60 carry 2 marks each.

In all sections, questions not attempted will result in zero mark. In section-A (MCQ), wrong answer will result in Negative marks. For all 1-mark questions, 1/3 mark will be deducted for each wrong answer. For all 2 marks questions 2/3 marks will be deducted for each wrong answer. In section-B (MSQ), there is no Negative. There is no Negative marking in section-C (NAT) as well.

3.Out Come:

(i) Students gained the knowledge of different types of jobs available for statistics students.

(ii) Almost all the students understood the advantages of doing M.Sc. Statistics in local universities and IITs.



G. Chakravarthi, HOD of Statistics of PBSC Vijayawada delivering Guest lecture



Interaction between Students and Resource person
G. Chakravarthi, HOD of Statistics of PBSC