

# **TnP Question Bank for the forthcoming batches** (upload at – bit.ly/ QuesBank18)

You are requested to mention the following details in the best possible manner for the junior batches to have an upper hand during their placements. Pls feel free to add any other sections that you deem fit.

**Name - Samarth Dhingra**

**Enrolment No. -9915103271**

**Batch - F7**

**Company's Name and Profile -**

Deloitte USI - Risk and Financial Advisory : Business Technology Analyst

**Technical Questions** (Mention below all the technical questions asked during the interview and coding/technical round):

Q1. What is Latent Dirichlet Allocation ? Is it the best possible method of topic modelling? Why would you prefer this over other methods?

Q2(a) I wish to set up a factory. Given the following constraints/objectives that I wish to achieve , provide me with some technological solutions for the same :

- A) I need to ensure that workers are in the factory premises for a fixed time.
- B) I need to prevent a natural burn out among the factory workers.
- C) I need to ensure a minimum level of lighting in the factory premises .

Q2(b) I, now, wish to reduce my expenditure . Which of the above solutions would you cull out , to help reduce costs , such that I am still able to achieve my objectives. Justify .

Q3 (*An illustration consisting of two tables was shown . I was asked to identify and explain the concept*)

ANS: Referential Integrity Constraint

Q4. What are Convolutional Neural Networks? Applications etc ?

Q5. A moderate difficulty level question on Queues . Follow up discussion on the solution presented .

Q6. A few basic questions on Networks.

Q7. A couple of questions on OOPS.

Q8. Detailed discussion over technological solutions undertaken in my previous projects.

**HR Questions** (Mention below all the HR/Non-technical questions asked during the interview):

Q1. Why do you wish to join Deloitte ?

Q2. Given the following companies that visits/have visited your campus :

- A) A Startup company with all its perks and flexible timings
- B) A Game Development company working on a cutting-edge technology
- C) A popular Data Analysis Firm ,

why would you still prefer Deloitte over the above mentioned .

Q3. Walk me through your industrial training experience.

Q4. What are your views on the significance and progress of Machine Learning/Artificial Intelligence/Deep Learning in the future years . Say,10-15 years from now, assuming you continue to work in a related domain, how would you measure up with a more recent Engineering Graduate or a fresher in the said domain ? Would you be better off or not? Is there a possibility of your skill set going obsolete over the next few years . Justify your opinion.

**GD/ JAM Topic:**

**GD : [10 mins : Thinking Time, 20 mins : Discussion Time , 10 mins : QA/ Conclusion ]**

A medical college wishes to automate the OPT scheduling process in their hospital . They need to ensure a seamless transition . Major challenges : High risk , emergency cases, older doctor and nurses ,not tech-savvy . Discuss and come up with solutions.

**Any other tips for juniors:**

Design a short, crisp CV and know it thoroughly .