**I. Situation Based Questions (4 Marks)**

Describe a situation at work where you were stuck with a tricky bug while coding. Share your experience of how did you resolve it.

I would like to share my experience where I was assigned to the task - Order Management System in COBOL. I had created the two input files (Product file, Transaction file) and two output files (Shipping file, Pending file) in my folder. I had inserted the data according to the requirement and saved it. I wrote the code in OpenCobolIDE with the record layout for the files and then I open the files in Open para using INPUT keyword for input files and OUTPUT keyword for output files and I have added the Counters because of finding how many records to be counted and I added Status for the conditions of files. In the main para, I have written the logic like Status=00 then it should allow to read the files otherwise it should not read the files and exit from the loop. In read para, I have written the business logic of the Order Management System based on the requirement. According to the requirement, QuantityOnHand in Product file is greater than Quantity Required in Transaction file is the condition. If it satisfies then only the records should move into Shipping file otherwise the records should move into Pending file. Then I closed the four files in Close para. Then I compiled the code and I got an error message in console. I have checked the line number where the error message occur and I don’t know about that error and I checked my code again. I have asked my colleagues about this and they have given some inputs but that error message is not rectified. I have searched in internet and there was website called Stack overflow in that they have mentioned what the error message was and why it occurs and how to rectify the error and all. I have read everything about that error and rectified in my code. Finally, I got the perfect result. That task gave me a good experience while learning COBOL.

**II. Email Writing           (5 Marks)**

Write a mail to your PM describing the task you significantly contributed in a project.

From: [sivakumar.sanniboina@htcindia.com](mailto:sivakumar.sanniboina@htcindia.com)

To: [Ashok.manager@htcindia.com](mailto:Ashok.manager@htcindia.com)

Cc: [shwetha.devarajan@htcindia.com](mailto:shwetha.devarajan@htcindia.com)

Subject: Project contribution – Unload from DB2

Dear Sir,

I would like to keep you updated about the project status - Unload from DB2.

I created two files (input and output) and I added them in SPUFI. Then I created the Employee table and I inserted employee records in that table. I created one new PDS file for DCLGEN and I added the Employee Table in that file.

I created new member in my source file and named it as UNLOAD and I created one output file for storing the data after unloading. Then I write the code in COBOL and Open the output file then I implemented the SQL statements for Employee table in the code and I implemented the logic like If SQLCODE = 0 then the table data will move to output file otherwise it display the error message in spool area and at last I close the output file.

I compiled the code in Precompiler and I got the message like MAXCC=0000 means there is no error and I bind the code in DB2 BIND and I got the message like MAXCC=0000 then I run my code in COBOL DB2 RUN and I got the same message like No Error. Then I checked the spool area I got the message like Step 01 is executed successfully and Then I have check my output file and the Employee data is added successfully.

This project gives me wonderful experience.

Thanks and regards,

Siva Kumar

26222

Seed 48-B

**III. Grammar (6 Marks)**

1.     from God / a precious / life / is / to / gift / us

2.     near the swimming pool/ several large trees/ the wind blew down

**3.**What \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(you/do)** this Saturday evening? Would you like to go out? **(Future Tense)**

**4.**We'll go to the park when you \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(finish)** your tea. **(Future Perfect)**

5.     I always stay on duty ***since / until***six o'clock.

6.     Peter was ill but he is getting over his illness ***soon / now.***

1) Life is a precious gift to us from God.

2) The wind blew down several large trees near the swimming pool

3) What will you do this Saturday evening? Would you like to go out?

4) We’ll go to the park when you will have finished your tea

5) I always stay on duty until six o’clock.

6) Peter was ill but he is getting over his illness soon.

**IV. Technology Writing (5 Marks)**

Describe an application you created or a task assigned as a part of a project.

I would like to share my experience about my Major project in College. I had been into a project called Hotel Review system. The project is all about the people who visits the hotel they can review in my application and the users will find the quality hotel if they want to stay. We used the technologies like HTML, CSS, Bootstrap, JavaScript, NetBeans, and MySQL. We are five members in that project and my role is develop the home, login and signup pages using front end technologies.

First I developed the home page using HTML and CSS and then my team watched that page and told me to change the design layout then I used the Bootstrap for the layout and for effective buttons and also it supports to JavaScript plugins. Then my team accept my home page and I started developing the Login and signup pages. For this we have to use JavaScript, I am not aware of that technology. I took help from my brother and I did those pages and my job is done in that project.

Actually, the project was not completed because there was a problem with the backend means the connectivity between the backend and database was not properly allocated. Then I helped them in that way as well. Then we prepared the documentation for that project and we presented in front of my faculties and HOD. We received appreciations from my faculties and as well as HOD.

That is all about my experience in my college level project.