



Silver Oak College of Engineering & Technology

Department of Examinations

Exam Completed - Question Papers

Mid Semester Exam (Winter-2014 Session)

Branch: Information Technology

Semester: VII

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GTU COORDINATOR

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SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY

B.E. Semester- (VII) - MID SEMESTER EXAMINATION (winter'14 Session)

SUBJECT: Distributed Database Application & System (171602)

Date: 11-10-2014

TIME: 02:00 to 03:15 P.M

Total Marks: 30

- Instructions:**
- 1. Attempt all questions.**
 - 2. Make suitable assumptions wherever necessary.**
 - 3. Figures to the right indicate full marks.**

- Q.1 (a) Explain layers of transparency. 05
- (b) Describe following operation in context of relation algebra. 05
(1) Selection (2) Set Difference (3) natural Join

- Q.2 (a) Explain The terms: (1) Wireless networks (2) Broadband networks. 05
- (b) Explain view management in centralized DBMS. 05

OR

- Q.2 (a) Explain Top Down Design Process for distributed database design. 05
- (b) List steps of query decomposition and explain any one from that. 05

- Q.3 (a) Describe BEA algorithm used in vertical fragmentation. 05
- (b) Explain Layers of Query Processing. 05

OR

- Q.3 (a) Explain 1NF and 2NF with example. 05
- (b) Give an Example of reduction for primary horizontal fragmentation. 05

SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY**B.E. Semester- VII - MID SEMESTER EXAMINATION (Winter'14 Session)****SUBJECT: Data Warehousing and Data Mining(171601)****Date:05/11/2014****TIME: 11:00 A.M. to 12:15 P.M****Total Marks: 30****Instructions: 1. Attempt all questions.****2. Make suitable assumptions wherever necessary.****3. Figures to the right indicate full marks.**

- Q.1 (a) Discuss major issues in data mining. 5
List different techniques for data mining. Explain any three in detail. 5
(b)

- Q.2 (a) Explain Data Cube with all OLAP Operations in brief. 5
Explain Knowledge data discovery process in brief. 5
(b)

OR

- Q.2 (a) Explain Classification in detail. 4
What is Correlation analysis of categorical attributes? For given contingency 6
(b) table find type of correlation between items using "chi-square" method.

	Game - 1	Game-2	Total
Video -1	4,000	3,500	7,500
Video-2	1,000	1,500	2,500
Total	5,000	5,000	10,000

- Q.3 (a) Explain Apriori Algorithm for finding Frequent Item-sets. 5
What is Noisy data? List and briefly explain techniques of handling noisy 5
(b) data.

Suppose a group of 12 sales price records has been as follows:

23,8,21,15,24,28,28,25,4

Partition them into three bins by each of the following methods.

(1) Equal Frequency (2) By Means (3) By Boundaries*OR*

- Q.3 (a) Define outlier Analysis, Information Gain, concept hierarchy, Cube 4
List and describe the methods for handling the missing values in data 6
(b) cleaning

SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY**B.E. Semester- (VII) - MID SEMESTER EXAMINATION (Winter'14 Session)****SUBJECT: ENTERPRISE RESOURCE PLANNING (171605)****Date: 14-10-2014****TIME: 2:00 P.M. to 3:15 P.M.****Total Marks: 30**

- Instructions:**
1. Attempt all questions.
 2. Make suitable assumptions wherever necessary.
 3. Figures to the right indicate full marks.

- Q.1 (a) Explain ERP with its advantages and disadvantages. 05
 (b) Write a short note on BOM. 05
- Q.2 (a) What is MRP,MRP-II and Closed loop MRP. 05
 (b) Explain Financial Module and its various subsystemsof ERP package. 05
- OR*
- Q.2 (a) Define BPR and explain how it helps in improvement of organizations. 05
 (b) Explain CAQ and CIQ? How CIQ plays important role in ERP packages? 05
- Q.3 (a) Explain in detail Supply Chain Management. 05
 (b) Explain JD Edwards - Enterprise One in detail. 05
- OR*
- Q.3 (a) Describe various phases of ERP implementation Life cycle. 05
 (b) What are the various functions of CRM Module of MicrosoftDynamics? 05

SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY

B.E. Semester- (VII) - MID SEMESTER EXAMINATION (winter'14 Session)

SUBJECT: ADVANCED JAVA TECHNOLOGY (170703)

Date: 16-10-2014

TIME: 02:00 P.M. to 03:15 P.M

Total Marks: 30

Instructions: 1. Attempt all questions.

2. Make suitable assumptions wherever necessary.

3. Figures to the right indicate full marks.

Q.1 (a) Compare 10
1] AWT and SWING
2] JSP and SERVLET

(b) Explain Callable Statement with example.

Q.2 (a) Discuss XML tag library with core tags. 10

(b) Develop any Servlet application which demonstrates use of session management.

OR

Q.2 (a) Discuss SQL tag Library with core tags. 10

Consider Bank table with attributes AccountNo, CustomerName, Balance,

(b) Phone and Address. Write a database application which allows insertion, updation and deletion of records in Bank table. Print values of all customers whose balance is greater than 20,000.

Q.3 (a) Explain Hibernate Architecture & discuss each part in brief. 10

(b) What is pluggable look and feel? Explain its importance with example.

OR

Q.3 (a) Discuss Servlet Life Cycle methods. Explain role of web container. 10

(b) What is servlet filter? List different filter interface with their important methods.

SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY**B.E. Semester- (VII) - MID SEMESTER EXAMINATION (Winter'14 Session)****SUBJECT: Dot Net Technology(171604)****Date:14-10-2014****TIME: 2:00 P.M. to 3:15 P.M.****Total Marks: 30****Instructions: 1. Attempt all questions.****2. Make suitable assumptions wherever necessary.****3. Figures to the right indicate full marks.**

- Q.1 (a) Explain Page Life Cycle of ASP.NET. 5
 (c) Explain StreamReader&StreamWriter Class with example. 5
- Q.2 (a) Write an ASP.NET code to fetch the data from SQL database table Student (having fields ID, Name, Roll Number and Age) on an ASP.NET page. Write the code to establish the connection and to retrieve the data. 5
 (b) Explain .Net Framework Architecture in Detail and main components with figure. 5
- OR*
- Q.2 (a) What is Hidden Filed , Query Strings ,Cookies , Session and Application State ? And explain Query Strings with suitable Example. 5
 (b) What is inheritance? Create VB .Net console application to define shape class and derive circle and rectangle from it to demonstrate inheritance. 5
- Q.3 (a) Explain Web service with Example. 5
 (b) What is structured error handling? Explain it in details and create VB. Net console application to find division of two numbers. Also handle DivideByZeroException. 5
- OR*
- Q.3 (a) Explain WPF in .NET. 5
 (b) What do you mean by Thread? State its advantages. Describe Thread priorities. Also give VB. Net code to implement it. 5

Roll no _____

Enrollment No _____

SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY
B.E. 7TH SEMESTER MID-SEMSTER EXAMINATION 2014
SUBJECT: CONTRIBUTOR PERSONLALITY DEVELOPMENT (1990001)

Date: 15/10/2014

Total Marks: 30

Time: 2:00 to 3:15

Instructions: There are 30 questions in this paper. All questions are compulsory. Each question carries 1 mark. Select ONLY ONE option that is the most appropriate and write it on the sheet given to you.

1. Sumit and Shyam work in restaurant. Sumit clears the table and Shyam is a waiter. One day, Sumit has to suddenly rush home as his father is unwell. As a contributor, which choice should Shyam make?
 - a) He tells his seniors that some other temporary worker is needed for clearing the dishes.
 - b) He decided to clear his table himself and tells the other waiters to do the same.
 - c) He call his co-worker to find the best way to deal with the situation together so that customers are not inconvenienced.
 - d) He continues to do his own work.

2. Raman has been promoted to the post of quality supervisor in the factory where he works. As a contributor, how does he view his role?
 - a) My role is to protect my company's reputation.
 - b) My role is to conduct quality checks
 - c) My role is to ensure that our customers are happy with the quality of our products
 - d) My role is to ensure our product fall within the quality requirements.

3. Kanu is doing his MBA and desperately wants to take up a career in investment Banking. What questions should he ask himself before taking a final decision?
 - a) Am I interested in this job because the pay is good and the money will help me fulfill my dreams?
 - b) Am I interested because this is the type of job where through my work others can benefit?
 - c) Am I interested because I am good at numbers and also interact with people well?

4. Ajay's company manufactures a popular brand of soaps. They have found that many people are selling counterfeit soaps using their brand name. Although Ajay prefers to ignore this and concentrate on his business, he decides to do something about it because he will have to bear the consequences otherwise. What is the consequence that he should be most concerned about?

- a) Seeing that no action is being taken, more people will be emboldened to misuse the company's brand name.
- b) Customers will be cheated. They will buy low quality soaps assuming that they are of a high quality brand.
- c) Other people will benefit from the hard work put in by him and his employees.
- 5 Varma Enterprises has earned a lot of profit this year. Which of the following options of using this money adds most value?
- a) He sets up a high level training program for his employees.
- b) Mr. Sharma uses it to make investments in the names of his children.
- c) He launches a program for rewarding customers for their loyalty.
- 6 Ram's cousin has joined an automobile company. He complains about his company, his salary, his colleagues etc. all the time. If you were in Ram's place, what would you as a contributor tell your cousin?
- a) Why don't you look for a new job?
- b) Why don't you look at some positive points?
- c) Why don't you change your attitude?
- d) Why don't you focus on your work and learn to enjoy it?
- 7 Swapnil is a traffic policeman. What is his contributor vision of work?
- a) "I make the roads of my town/city safer for everyone."
- b) "I regulate traffic on the roads where I am posted."
- c) "I keep rash drivers in check."
- d) "I ensure people don't break the traffic rules."
- 8 Mamta is sweeper in a locality, how can she increase her scope of contribution?
- a) By not only doing her work well but also talking to co-workings about separating dry and well garbage.
- b) By cleaning the dirtiest areas in the locality
- c) By shouting at passers-by throwing garbage on the pavement.
- d) By clearing the garbage and also making sure the garbage of the locality is taken by the collection trucks regularly.
- 9 The College Sports Day is a couple of months away. Denai wants to win the 'Best Athlete' Award again. Which of these thoughts would help him the most?
- a) I must improve my stamina and my speed so I can become better as an athlete.
- b) Anyway, I won the award last year. So it will be easy to win this year too.
- c) I should try to practice before the Sports Day so as to win the award this year also.
- d) I must start regular running practice to beat my last year's record
- 10 Prachita applied for participating in the cookery contest show on T.V. She did not win but was chosen for the second round. How can you help her to expand her vision of success?
- a) "You were at least selected for the contest, which means there is something in you

- that deserves."
- b) "Look at the confidence you have gained by competing against so many people who are so good."
 - c) "You went till the second round – that means you were better than some of the other participants."
 - d) "Don't worry, you can participate next year and win the contest."
- 11 Manroop works in the customer sales office of the passenger ship company (which offers holiday cruises). Her boss congratulates her for meeting her targets. She has achieved success because...
- a) her boss is happy with her for meeting the sales target.
 - b) she enjoyed convincing customers to go for a holiday.
 - c) she is happy she managed to sell enough of tickets.
 - d) she enjoyed the challenge of selling the tickets.
- 12 Chain snatching has become common in Chavda's neighborhood. In such a situation, how would a contributor design a solution?
- a) The local police and other residents can be called to implement some solutions like police patrolling, ensuring that street lights are working, using decoys to catch the chain-snatchers etc.
 - b) One solution is that people must be told to avoid wearing gold jewelry and wear imitation only.
 - c) We could call for a meeting to make residents alert and the need for caution. Ladies who wear gold chains must be careful.
- 13 Trained, qualified teachers are usually unwilling to go to rural schools for teaching. How do you suggest that the problem can be solved?
- a) Make 1 year rural internship compulsory so there will always be some teachers in the rural schools.
 - b) Have more colleges in rural areas for rural teachers but setting up of the colleges will take time.
 - c) Increase teacher salary by offering rural allowance but this might drain government resources.
 - d) Maybe all the different solutions can be tried out like e-learning for rural teachers, compulsory internship etc. It is necessary to have teachers in rural schools.
- 14 Rima notices for the last one week that the (drainage) gutter outside her building has been left open by the corporation workers. Which of these responses show that she focuses on value?
- a) "This may lead to diseases like malaria etc. in the locality. If we can get it closed, it will be a safety precaution for now"
 - b) "This is so unhygienic! It may lead to someone getting injured even. Not just for now but we need to find ways to avoid such instances in the future"

- c) "This is a careless act on the workers part. We must bring it to their notice"
d) "The workers don't do their work well and others like us have to suffer"
- 15 Shilpa feels that she is a good singer. But she is unable to sing properly in the competitions she participates in. As a contributor who focuses on value, what does she decide?
- a) I have learned that I need to practice singing along with instruments being played.
b) I will give up participating in competitions. It is of no use and is a waste of time.
c) I have learned that I need to do a lot of dedicated practice.
d) I have learned that I have to first train myself in classical music
- 16 Javed has now joined a karate class in the afternoon after her college hours. Which of these options would help her see the situation as a contribution to self?
- a) It is great to learn a martial art like karate.
b) I can learn how to protect myself as well as learn a great martial art.
c) I can learn a few kicks and punches to show my friends.
d) It is just something to keep me busy in the afternoons.
- 17 Avadhuta teaches aerobics in a gym. Which of these options show that she has a purpose Vision of her work?
- a) "I help people to improve their energy levels – due to the classes they are able to become more energetic."
b) "I work to ensure that through the training people are able to stay physically and mentally healthy over a long period of time."
c) "I help people to lose weight."
d) "I teach aerobic exercises."
- 18 The CEO of a company says that he has contributed in many ways to society. Which of the options is the widest contribution the company has made?
- a) The company takes care of all its employees' needs within the framework of society
b) The company follows all the rules and regulations given by law.
c) The company pays all their taxes and ensures all their employees also pay their taxes correctly.
d) The company implements various development projects and plans to provide more employment to people within the framework of society.
- 19 Minaxi works as a receptionist in a big organization. What is the widest possible way in which she can contribute to her organization?
- a) She should direct people to whoever they want to meet.
b) She should be friendly and welcoming to everybody who enters the office.
c) She should be quick and efficient and help all visitors inside the office.
d) She should make sure of the smooth execution of all activities as she makes the first impression of the organization to all visitors.
- 20 Urvi thinks her boss is always finding fault with her work. She doesn't know how to

handle the situation. As a contributor what can you advise her?

- a) She can look at his comments as positive feedback and use it to improve her work constantly.
 - b) She can do her work better so that she doesn't allow him to find so many faults.
 - c) She can listen to his comments with a positive attitude.
 - d) She can keep complaining about him behind his back.
- 21 Kapis is a commerce graduate and has been offered a job from a bank. Which approach should he use so that he can grow in his career (as a contributor)?
- a) He should enquire about what kind of projects are done by the bank
 - b) He should ask about the salary package and join if it meets his expectation.
 - c) He should find out whether there will be opportunities to expand himself and contribute to the community.
 - d) He should consider if the work is interesting and whether he will enjoy it.
- 22 Purva had to move to a new town, so she now has to look for a new job. What would she be thinking as a contributor?
- a) This is a new town, I cannot do anything on my own until I get a job.
 - b) Till I get a job, I can use the time to not only settle down but to also learn something that will help me in future jobs.
 - c) I have to keep applying for jobs and wait till I get one.
 - d) While I am applying for a job I can also use the time to settle down in the new town.
- 23 Monali wants to spread awareness about saving trees by using less paper for printing in her office. Which of these options reflect the most that she is a contributor?
- a) "I really want to do this but getting permission might be difficult."
 - b) "I can put up a sign near the printer 'to use less paper' or 'print on both sides of the paper' but people might ignore the sign."
 - c) "I can request for a talk with all the staff and managers to spread the message."
 - d) "The message has to reach people. I can do this in any way - put up posters, talk to my colleagues and even ask the manager to help."
- 24 Hitesh wants to develop his real estate business in a new city. Their family business is well established in another city. What advice could a contributor give him about facing the challenge?
- a) He can develop contacts by approaching big companies and their employees – this is also an approach that has chances of success.
 - b) He can adopt the ways which his father used – the chances that the same approach will work are high.
 - c) He can increase his client base by having an online real estate business – this will certainly be challenging.
 - d) He can go global (open to any customer across the world) – it could fail or succeed

- but why not try?
- 25 Election campaigning for your college student council has begun. Which candidate has Higher chances of being elected again?
- The one who promised many changes but tried to implement a few
 - The one who promised very few changes but did more than he promised
 - The one who promised a lot of changes but forgot them as soon as he was elected
 - The one who promised some changes and got them done
- 26 Madhav and his team are making a cheap eco-friendly light bulb for villagers. But every day there are different problems that arise. His team starts to panic. Which of these thoughts would help Raghu and his team mates to not give up easily?
- “We shouldn’t worry too much about it. We will have to give ourselves more time to reach our goal.”
 - “There seem to be too many problems. What if the problems keep increasing?”
 - “Let’s go through each and every issue one at a time. If we continue to think, we will be able to solve the issues.”
 - “These problems will force us to look for new answers and new ways of working. Answers will come to us if we continue to work on it.”
- 27 Nikita joined as an intern in the HR department of a bank. She is asked to update the attendance everyday from the register to the computer. Which of the following statements show the most that she has completely lost the vision of her work?
- This is easy but monotonous work. I wonder how it can be used?
 - This is just for my internship certificate. Let me just do what they ask me to.
 - This is valuable data to understand trends in attendance and absence. It could also be used later for research purposes.
 - This is valuable for the HR head to keep track of all the employees and their leave of absence.
- 28 When a Regional Manager of a bank calls for a meeting of the Branch Managers to make a decision on a future initiative, he follows one of the following approaches. In order to be considered trustworthy, which approach must he not follow?
- Listen to everyone’s concerns and take a collective decision
 - Listen to all the Managers to make them feel included but use his ‘sixth sense’ to decide (which has developed over many years of experience)
 - Listen to the Managers who have had previous experience of big projects to take the decision
 - Consider the views of only the Managers as they are the ones who will roll out the initiative
- 29 Agnel and his friends have just moved into a new society. All other residents are traditional families that disapprove of late nights and parties (which is a way of life for Agnel and his friends). What is the choice they should make?

- a) “We must respect the accepted rules of the society as we have decided to be a part of it.”
- b) “We don’t like such traditional mentality. But we must accept it or else the house owner could ask us to leave.”
- c) “We are legal citizens of the country and no one can dictate how we behave.”
- d) “We have to live in the society. So we will ensure we do not disturb anyone through our actions.”

30 Kshitij is a folk singer. He has been given a chance to participate in a TV music competition. Which of these options indicate that he thinks like a contributor?

- a) He also starts mixing folk songs with others types of music like Ghazals and film music.
- b) He sings what he is confident in (that is, folk songs he already knows).
- c) He tries to change the usual folk tune to see how the judges and audience react to it.
- d) He sings folk songs but tries to sing different styles of folk music.

Exam Completed Paper for Reference