

Computer Lab - Practical Question Bank
FACULTY OF COMMERCE, OSMANIA UNIVERSITY

B.Com (Computer Applications) V Semester
MANAGEMENT INFORMATION SYSTEM PRACTICAL QUESTION BANK

Time: 60 Minutes

Record : 10
Skill Test : 15
Viva - Voce : 10
Total Marks : 35

MS ACCESS:

1. Create a Student Table in MS-Access with the following features:
 - a. Roll Number
 - b. Student Name
 - c. Class
 - d. Marks in Subject 1, Subject 2, Subject 3
 - e. Total
 - f. Average
 - g. Result

2. Create a Personal Information table in MS-Access with the following fields:
 - a. First Name
 - b. Middle Name
 - c. Last Name
 - d. Nationality
 - e. Gender
 - f. Temporary Address
 - g. Permanent Address. Generate a Form and Report.

3. Create an Inventory table in MS-Access with fields:
 - a. Product ID
 - b. Product Name
 - c. Product Quantity
 - d. Product Price

4. Create a database 'College' and table 'Student'. The following are the details of the table:

Number	Fname	Lname	Address	Home phone	Joining date
101	Ram	Prasad	11-1-963/A, Banjara Hills, Hyderabad	040-23343256	02/06/2016
102	Shyam	Singh	12-1-254/B, Sultan Bazar, Hyderabad	040-23345679	05/06/2016
103	Ankur	Agrawal	11-2-667/A, Vidhya Nagar, Hyderabad	040-23358796	03/06/2016
104	Ramesh	Sharma	10-2-340, Road No.12, Banjara Hills, Hyderabad	040-23389745	04/06/2016
105	Harish	Shekhawat	15-4-633/A, Begum Bazar, Hyderabad	040-23356486	02/06/2016

5. Create a database 'Student'. Also create table 'studtable' and execute the following queries

SRollno	Sname	English	SL	FA-I	BE	BOM	IT
101	Rajendra	75	85	90	85	86	90
102	Arvind	88	75	95	80	82	85
103	Krishna	89	77	82	78	82	86
104	Harish	75	72	70	65	60	77
105	Rajesh	86	85	81	80	89	90

- Sort the data by Sname.
- Calculate Total Marks of Individual Students.
- Calculate Percentage Marks of Individual Student.

6. Create a database 'Student1'. Also create table 'stdtable' and execute the following queries

SRollno	Sname	English	SL	FA-I	BE	BOM	IT
101	Rajendra	75	85	90	85	86	90
102	Arvind	88	75	95	80	82	85
103	Krishna	50	52	58	50	53	54
104	Harish	52	55	51	56	57	59
105	Rajesh	86	85	81	80	89	90

- Display all Students who got ≥ 80 Marks in Any Subject.
- Display all Students who got $\geq 80\%$ Marks in Total.
- Display all Students who got $\leq 60\%$ Marks in Total.

7. Create a database 'Student2'. Also create table 'stdmarks' and execute the following queries

SRollno	Sname	English	SL	FA	BE	BOM	FIT
101	Rajendra	22	20	23	20	23	20
102	Arvind	20	21	20	23	20	20
103	Krishna	50	52	58	50	53	54
104	Harish	52	55	51	56	57	59
105	Rajesh	86	85	81	80	89	90

- Display All the students who got < 25 in individual subject.
- Display all the students who are Failed in individual Subject.
- Increase marks by adding 5 marks whose marks are < 25 .

8. Create a database 'Student3'. Also create table 'stdmarks1' and execute the following queries

SRollno	Sname	English	SL	FA	BE	BOM	FIT
101	Rajendra	90	95	92	90	88	90
102	Arvind	48	52	48	50	53	54
103	Krishna	85	88	89	85	95	90
104	Harish	12	10	15	12	10	15
105	Rajesh	60	66	75	77	65	79

- Update table by adding Grade as per the following:-
 - Total %age $\geq 90\%$ Grade "E"

- ii. Total %age $\geq 75\%$ Grade "A"
- iii. Total %age $\geq 60\%$ Grade "B"
- iv. Total %age $\geq 50\%$ Grade "C"
- v. Total %age $\geq 36\%$ Grade "D"
- vi. Total %age $< 36\%$ Grade "F"

9. Create 'Employee' database and table 'Emp'

Empno	Ename	Designation	Deptno	DOJ	Basic Salary
101	Ajay	Manager	10	12/12/2001	25000
102	Arvind	Dy. Manager	40	20/02/2002	20000
103	Rahul	Programmer	20	22/03/2001	18000
104	Hari	Mktg. Officer	40	01/04/2001	15000
105	Sahil	Accountant	10	20-09-2000	12000

- a) Calculate DA as 40% of Basic Salary.
- b) Calculate Hra as 15% of Basic Salary.
- c) Calculate PF as 12.67% of Basic Salary
- d) Calculate Gross Pay = Basic Salary + DA + HRA
- e) Calculate Net Pay = Gross Pay – PF.

10. Create 'Employee1' database and table 'Emp1'

Empno	Ename	Designation	Deptno	DOJ	Basic Salary
101	Ajay	Manager	10	12/12/2001	25000
102	Arvind	Dy. Manager	40	20/02/2002	20000
103	Rahul	Programmer	20	22/03/2001	18000
104	Hari	Mktg. Officer	40	01/04/2001	15000
105	Sahil	Accountant	10	20-09-2000	12000

- a) List all the Employees Who are working in Dept no.10
- b) List all the Employees who get less than 20000 Salary.

11. Create 'Employee2' database and table 'Emp2'

Empno	Ename	Designation	Deptno	DOJ	Basic Salary
101	Ajay	Manager	10	12/12/2001	25000
102	Arvind	Dy. Manager	40	20/02/2002	20000
103	Rahul	Programmer	20	22/03/2001	18000
104	Hari	Mktg. Officer	40	01/04/2001	15000
105	Sahil	Accountant	10	20-09-2000	12000

- a) Update Salary by adding the increments as per the following:-
 a. 10% Increment in Basic Salary who get < 20000
 b. 5% Increment in Basic Salary who get >20000.

12. Create 'Employee3' database and table 'Emp3'

Empno	Ename	Designation	Deptno	DOJ	Basic Salary
101	Ajay	Manager	10	12/12/2001	25000
102	Arvind	Dy. Manager	40	20/02/2002	20000
103	Rahul	Programmer	20	22/03/2001	18000
104	Hari	Mktg. Officer	40	01/04/2001	15000
105	Sahil	Accountant	10	20-09-2000	12000

Generate the query to find out the following:-

- a) Total Salary paid by the Company to Employees
 b) Maximum Salary paid by the Company to Employees
 c) Minimum Salary paid by the Company to Employees

13. In the following table find out the Followings:

- a. All the Department Nos and Employees Names.
 b. All the Employees who joined in year 2001.

Empno	Ename	Designation	Deptno	DOJ	Basic Salary
101	Ajay	Manager	10	12/12/2001	25000
102	Arvind	Dy. Manager	40	20/02/2002	20000
103	Rahul	Programmer	20	22/03/2001	18000
104	Hari	Mktg. Officer	40	01/04/2001	15000
105	Sahil	Accountant	10	20-09-2000	12000

14. Create 'Course' database and 'Coursedtl' table having following records:-

SRollno	Sname	Course	Section	Medium	College	Total Fees
101	Rajendra	B.Com	General	English	ABC	5500
102	Arvind	B.Com	General	English	PQR	15000
103	Krishna	B.Com	General	Telugu	ABC	5500
104	Harish	B.Com	General	Telugu	PQR	7500
105	Rajesh	B.Com	Computers	English	ABC	15000
106	Harish	B.Com	Computers	English	PQR	25000

- a) Prepare the report to display lowest course fees with college name.
 b) Prepare the Report to display all students who are pursuing B.Com(Computers).

15. In the following table generate the queries for the followings:-

- a. Display the Course and College having Lowest Course Fees.
 b. Display all the courses pursuing by the PQR College.

SRollno	Sname	Course	Section	Medium	College	Total Fees
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101	Rajendra	B.Com	General	English	ABC	5500
102	Arvind	B.Com	General	English	PQR	15000
103	Krishna	B.Com	General	Telugu	ABC	5500
104	Harish	B.Com	General	Telugu	PQR	7500
105	Rajesh	B.Com	Computers	English	ABC	15000
106	Harish	B.Com	Computers	English	PQR	25000

16. Create a Library Database of your college having following fields and enter atleast 30 records in it:-

Field Name	Description
BookCode	Primary Key
BookTitle	Subject Name
Publisher	Book Publisher Name
No.of.Copies	Quantity in one Invoice
No.ofPages	Total Pages in book
Edition	Book Printing Edition

17. From the College Library database find out the following:-

- Total no. of copies of books subject wise.
- A report displays all books group by Publisher.
- A report displays all books group by Book Title.
- A report displays all books group by Book Edition

18. Create the 'Order' database and a table "Orderdtl" having following records:-

Order No	Order Date	Order Item	Order Qty	Order Price	Client Code	Delivery Type	Order Status
1011	12/02/2015	LED Monitors	100	7500	1025	Road	Delivered
1012	25/02/2015	Printers	75	8500	1025	Road	Delivered
1013	25/03/2015	CPU	100	15000	1045	Road	Delivered
1014	31/03/2015	LED Monitors	75	6500	1045	Road	Not Delivered
1015	31/03/2015	CPU	75	18000	1025	Road	Not Delivered

Generate the following reports from the above table:-

- Display all the Order No. which have not been yet Delivered.
- Display all the Orders of LED Monitor and CPU.
- Display all the Orders of LED Monitor and CPU which are not have been delivered yet.

19. Create a 'Sales' Database and a table 'Salesdtl' having following fields and data:-

SalesNo.	Salesman Code	Salesman Name	Branch	Sale Amount
1011	101	Arvind	Jaipur	75000
1012	102	Ashok	Jaipur	80000
1013	103	Harish	Hyderabad	75000
1014	104	Manish	Hyderabad	65000

1015	105	Krish	Secunderabad	78000
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20. Generate the queries to find out the followings from the above 'Sales' Table:
- Total sale of all the Branches.
 - Total sale group by Branches.
 - Maximum sale of individual branch.
 - Maximum sale in all branches.

21. Create an 'Stock' database having an 'Inventory' Table as per the followings:-

ProductCode	Product Name	Purchase Quantity	Purchase Price (Per Unit)
1011	CPU	200	15000
1012	Monitor	100	7500
1013	Printer	75	5500
1014	UPS	200	3500
1015	Speakers	200	250

22. Generate the following queries from the above 'Inventory' Table:-

- Item wise total purchase price.
- Display new purchase price after adding 15% increase in purchase price.
- Display new Purchase quantity after deducting 5% from the quantity

23. Create a 'Stock' database having 'Inventory' table:-

Item Code	Name of the Item	Opening Stock (In Qty)	Purchase (In Qty)	Sales (In Qty)
1011	CPU	200	150	300
1012	Monitor	100	100	150
1013	Printer	75	150	125
1014	UPS	200	300	400
1015	Speakers	200	250	350

Generate the following queries from the above table:-

- Calculate the closing stock of each item (Closing Stock = Opening Stock + Purchase – Sales)
- Display all the Items which has closing stock < 100
- If closing stock is less than 100 then set the remark as "Re-Order Level" otherwise "Enough Stock".

24. Create a database 'Student2'. Also create table 'stdmarks' and execute the following queries

SRollno	Sname	English	SL	FA	BE	BOM	FIT
101	Rajendra	22	20	23	20	23	20
102	Arvind	20	21	20	23	20	20
103	Krishna	50	52	58	50	53	54
104	Harish	52	55	51	56	57	59

105	Rajesh	86	85	81	80	89	90
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- a) Display All the students who got <25 in individual subject.
- b) Display all the students who are Failed in individual Subject.
- c) Increase marks by adding 5 marks whose marks are <25.

25. Create a Personal Information table in MS-Access with the following fields:

- a. First Name
- b. Middle Name
- c. Last Name
- d. Nationality
- e. Gender
- f. Temporary Address
- g. Permanent Address. Generate a Form and Report.

26. Create a table (student) in access with (name,fathername,gender,DOB,phno,address) . insert 10 records.

27. Create a FEE table in access with (name,category,course/group,year, fees,)insert 10 records . add new column concession. Write a query to calculate concession. calculate concession=fee*20/100; when category is NCC/NSS/GIRL

28. Create a table (person) in access with name,phno,email-id and address . insert 10 records.
Create a query to display email id,phno and address when user gives name.

29. Create a SALES table in access with (ID,productname,quantity,salesrate,commission,tax)insert 10 records . add new column affiliate earnings. Write a query to calculate affiliate earnings. calculate affiliate earnings=(quantity*salesrate)+commission-tax.

30. Create a database Club and table Member. The following are the details of the table.

Number	Fname	Lname	Address	Home phone	Joining date
S1465T	Jone	Johnson	1234 Country Club Texas	(713)-555-7890	01-02-04
J1050S	Bill	Smith	1112 Peter Avenue Texas	(713)-556-6556	30-11-04
S1300T	Lisa	Stanley	985 Venton Circle Texas	(713)-558-1227	11-11-04

31. Create a employee database and table 'emp'.

Emp.No	Ename	Job	DOJ	Basic	Deptno	Sex	Due prom
101	Ajya	Clerk	17-12-01	6000	20	Male	
102	Arvind	Salesmen	20-02-02	5000	30	Male	
103	Rahul	Salesmen	22-03-01	5500	20	Male	
104	Rehman	Manager	01-04-01	12000	40	Male	
105	Sahil	Manager	20-09-02	11500	10	Male	

32. Create a database 'Student'. Also Create table 'stdtable' & execute the following.

SRoll no	Sname	Class	State	DOB	Marks	Grade
101	Raj	B.Com-I	AP	21-09-82	80	A
105	Ram	B.Com-II	MP	31-08-81	70	B
104	Rakesh	B.Com-III	UP	30-06-80	90	A
103	Ramesh	B.Com-II	AP	25-07-82	38	C
105	Rajesh	B.Com-I	MP	02-02-83	45	C

- Sort the data by SRoll no.
- Display SRoll no., Sname, State and Marks where marks > 80.
- Display SRoll no., Sname, State and Marks where Grade = A.

33. create 'employee database and table 'emp' create a Report.

Emp.No	Ename	Job	DOJ	Basic	Deptno	Sex	Due prom
101	Ajya	Clerk	17-12-01	6000	20	Male	
102	Arvind	Salesmen	20-02-02	5000	30	Male	
103	Rahul	Salesmen	22-03-01	5500	20	Male	
104	Rehman	Manager	01-04-01	12000	40	Male	
105	Sahil	Manager	20-09-02	11500	10	Male	

34. create a database 'Library' and create a table as 'Books' and execute the queries given below:

Author Lname	Author Fname	Book title	Book type	Year of publication
Gupta	Sharma	Management Accounting	Accounting	2002
Nain	Patel	Financial	Accounting	2000
Reddy	Ram	Corporate accounting	Accounting	1990

- Display Book title, Book type, author name where author = Ram and book type = Accounting.
- Display Author Fname, Book type year of publication where year above 2000.

35. Create Business table by using Design Wizard with year own data (atleast 6 fields and 10 records)

36. Create Personal table by using Design Wizard with your own data (atleast 6 fields and 10 records)

37. Create 'Student database table ' and also create a Report .

SRoll no	Sname	Class	State	DOB	Marks	Grade
101	Raj	B.Com-I	AP	21-09-82	80	A
105	Ram	B.Com-II	MP	31-08-81	70	B
104	Rakesh	B.Com-III	UP	30-06-80	90	A
103	Ramesh	B.Com-II	AP	25-07-82	38	C

105	Rajesh	B.Com-I	MP	02-02-83	45	C
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38. Create 'Student database table ' and also create a Report .

SRoll no	Sname	Class	State	DOB	Marks	Grade
1	Rajesh	B.Com-I	AP	21-09-84	81	A
2	Ramesh	B.Com-II	MP	31-08-85	72	B
3	Rakesh	B.Com-III	UP	30-06-89	90	A
4	Suresh	B.Com-II	AP	25-07-82	36	B
5	Vignesh	B.Com-I	MP	02-02-83	45	C

39. Create a employee database and Create a Report .

Emp.No	Ename	Job	DOJ	Basic	Deptno	Sex
101	Ajya	Clerk	17-12-01	6000	20	Male
102	Arvind	Salesmen	20-02-02	5000	30	Male
103	Rahul	Salesmen	22-03-01	5500	20	Male
104	Rehman	Manager	01-04-01	12000	40	Male
105	Sahil	Manager	20-09-02	11500	10	Male

40. Create table textbook with the following fields. Insert 10 records.

Book title, author name, publication name, quantity, price.
 Create query to display the books of information technology,
 Create query to display the books of Himalaya publications.

41. Create a table student with the following fields(rno, name, fa marks, be marks, it marks, total and average). Insert 10 records, calculate total = fa+be+it. Average = total/ no of subjects.

Create a query to display all information of student who secured >75 marks in IT subject.

Create a query to display name, total and average who's average is > 80.

42. Create a table employ with (idno, name, job, age, salary). Insert 10 records.

Create a query to display the information of all managers.

Create a query to display the names of employs who's salary is >15000.

43. Create a report for the student table with rno, name, fa, be, it total and average.

44. From the College Library database find out the following:-

- Total no. of copies of books subject wise.
- A report displays all books group by Publisher.
- A report displays all books group by Book Title.
- A report displays all books group by Book Edition

45. Create a 'Stock' database having 'Inventory' table:-

Item Code	Name of the Item	Opening Stock (In Qty)	Purchase (In Qty)	Sales (In Qty)
1011	CPU	200	150	300
1012	Monitor	100	100	150
1013	Printer	75	150	125
1014	UPS	200	300	400
1015	Speakers	200	250	350

Generate the following queries from the above table:-

- Calculate the closing stock of each item (Closing Stock = Opening Stock + Purchase – Sales)
- Display all the Items which has closing stock < 100
- If closing stock is less than 100 then set the remark as "Re-Order Level" otherwise "Enough Stock".

46. Create a FEE table in access with (name,category,course/group,year, fees,)insert 10 records . add new column concession. Write a query to calculate concession. calculate concession=fee*20/100; when category is NCC/NSS/GIRL

47. Create a database 'Student'. Also Create table 'stdtable' & execute the following.

SRoll no	Sname	Class	State	DOB	Marks	Grade
101	Raj	B.Com-I	AP	21-09-82	80	A
105	Ram	B.Com-II	MP	31-08-81	70	B
104	Rakesh	B.Com-III	UP	30-06-80	90	A
103	Ramesh	B.Com-II	AP	25-07-82	38	C
105	Rajesh	B.Com-I	MP	02-02-83	45	C

- Sort the data by SRoll no.
- Display SRoll no., Sname, State and Marks where marks > 80.
- Display SRoll no., Sname, State and Marks where Grade = A.

48. In the following table find out the Followings:

- All the Department Nos and Employees Names.
- All the Employees who joined in year 2001.

Empno	Ename	Designation	Deptno	DOJ	Basic Salary
101	Ajay	Manager	10	12/12/2001	25000
102	Arvind	Dy. Manager	40	20/02/2002	20000
103	Rahul	Programmer	20	22/03/2001	18000
104	Hari	Mktg. Officer	40	01/04/2001	15000
105	Sahil	Accountant	10	20-09-2000	12000

49. Create a Library Database of your college having following fields and enter atleast 30 records in it:-

Field Name	Description
BookCode	Primary Key
BookTitle	Subject Name
Publisher	Book Publisher Name
No.of.Copies	Quantity in one Invoice
No.ofPages	Total Pages in book
Edition	Book Printing Edition

- 50.** From the College Library database find out the following:-
- Total no. of copies of books subject wise.
 - A report displays all books group by Publisher.
 - A report displays all books group by Book Title.
 - A report displays all books group by Book Edition