



INTERNATIONAL INSTITUTE OF
HEALTH MANAGEMENT RESEARCH

Post Graduate Diploma in Management (Hospital & Health Management)
PGDM – 2021-23 Batch
Term – V : Term End Examination

Course & Code	: Managing Databases (HIT 705)	Reg. No.	:
Term & Batch	: V, 2021-23	Date	: 10/01/2023
Duration	: 3 Hrs	Max. Marks	: 70

Instructions:

- Budget your time as per the marks given for each question and write your answer accordingly.
 - Don't write anything on the Question Paper except writing your Registration No.
 - Mobile Phones are not allowed even for computations.
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Part I : Long Answers

Answer any 2 in a separate sheet (10 marks each – Total 20)

Please write a single paragraph of what you understand including an example the structure of

1. Connectors
2. Various types of SQL languages
3. Flat File Database
4. Client server system

Part II : Short Answers

Answer any 3 in a separate sheet (5 marks each – Total 15)

Please write a single paragraph of what you understand including an example the structure of

- a. Locks
- b. Transaction
- c. Stored Procedures
- d. INT(4)
- e. Port

Part III – Total marks 15 –

Post the answer next to the number in the table on the right. Each correct option gets one mark

A. Match the method with the SQL Anywhere executable file on the right - there may be zero or more than one match. (*Hint- 8 is the version number*)

- | | |
|------------------------|------------------|
| 1. DML | A. dbodbc8.dll |
| 2. DCL | B. dbsrv8.exe |
| 3. DDL | C. rteng8.exe |
| 4. Connect to database | D. dbbackup8.exe |
| 5. Backup | E. dbeng8.exe |

Left	Right
1	
2	
3	
4	
5	

B. Match the numbers on the left side with its closest (IT based) description on the right (Ignoring one extra item on Right)

- | | |
|------------------|-----------------|
| 1. 250 | A. Subnet Mask |
| 2. 127.0.0.1 | B. Timestamp(8) |
| 3. 255.255.252.0 | C. localhost |
| 4. 1994-12-4 | D. fa |
| 5. (255,255,255) | E. One Byte |
| | F. White |

Left	Right
1	
2	
3	
4	
5	

C. Match the reserve verbs on the Left side with the concerned method on the right (there may be zero or more than one match)

- | | |
|-------------|---------------|
| 1. GRANT | A. DML |
| 2. WHERE | B. DCL |
| 3. DROP | C. Connection |
| 4. DELETE | D DML |
| 5. DISTINCT | |

Left	Right
1	
2	
3	
4	
5	

Part IV - MCQs – cross (☒) as answer in relevant box on right side.

All questions carry 1 mark each – Total 15

If mentioned *as one or more ** then all the possible and correct choices have to be ticked. You may get part marks but never less than 0.

1. The roles which a Database Administrator will need to fulfil in a hospital IT project is (*one or more **)

A. Placing an order
B. Paying for it
C. Creating the database
D. Understanding the problem

1A ☐
1B ☐
1C ☐
1D ☐

2. Which of the following will be considered to be EditSyntax (*one or more **)

A. mm/dd/yy
B. TEXT
C. ORDER BY
D. Decimal (5,7)

2A ☐
2B ☐
2C ☐
2D ☐

3. Answers to which of the following may not be provided through your Data Analytics Tool used with your HMIS (*one or more **)

A. Bed Strength
B. Number of stray dogs in the community
C. Number of patients operated with appendicitis
D. Doctors available for helping in a mass casualty

3A ☐
3B ☐
3C ☐
3D ☐

4. Which of the following has to be always NOT NULL

- A. A defined constraint
- B. A FOREIGN KEY
- C. A DATE Column
- D. A Unique INDEX
- E. None of the above

- 4A ☐
- 4B ☐
- 4C ☐
- 4D ☐
- 4E ☐

5. Which of the following will NOT come under Semantics

- A. ICD 10
- B. SNOMED
- C. LOINC
- D. PCS
- E. None of the above (i.e. all are Semantics)

- 5A ☐
- 5B ☐
- 5C ☐
- 5D ☐
- 5E ☐

6. What is the minimum frame rate per second for discerning a moving image?

- A. 5
- B. 7.5
- C. 30
- D. 60

- 6A ☐
- 6B ☐
- 6C ☐
- 6D ☐

7. Data from which of the following will be transactional in your DBMS – as opposed to MASTERS

- A. Patient Registration
- B. Allotment of appointment time
- C. Medicines list
- D. Inventory list

- 7A ☐
- 7B ☐
- 7C ☐
- 7D ☐

8. How many shades of GREY are possible through a color printer which uses RGB (Red Green Blue) based calculation. *Hint – Grey is an equal mix of all 3*

- A. 50
- B. 127
- C. 254
- D. in 1000s

- 8A ☐
- 8B ☐
- 8C ☐
- 8D ☐

9. Anonymization ensures

- A. Privacy of the person who is reporting
- B. Data does not end up in wrong hands
- C. Patient name and address is hidden
- D. All of the above

- 9A ☐
- 9B ☐
- 9C ☐
- 9D ☐

10. Which of the following is expected to have the most comprehensive details of the patient's long-term medical problem

- A. EMR
- B. PHR
- C. EHR
- D. Casesheet

- 10A ☐
- 10B ☐
- 10C ☐
- 10D ☐

Part V – 10 marks

Mark whether True (T) or False (F) in the box at the end of the line -1/2 mark each –
(Hint –*Italicised terms are from you lesson*)

- | | |
|--|--------------------------|
| A. <i>Memory</i> is related to MAD Magazine | <input type="checkbox"/> |
| B. A <i>Primary Key</i> can never be a <i>Foreign Key</i> | <input type="checkbox"/> |
| C. CODD defined the role of databases in computing | <input type="checkbox"/> |
| D. Creating a database server within your laptop is fundamentally wrong | <input type="checkbox"/> |
| E. <i>Normalization</i> -One can jump across steps one and two to land at step three | <input type="checkbox"/> |
| F. Transactions are successfully completed with a COMMIT call | <input type="checkbox"/> |
| G. India has a countrywide license for SNOMED CT | <input type="checkbox"/> |
| H. <i>Data Abstraction</i> hides irrelevant details | <input type="checkbox"/> |
| I. A <i>VIEW</i> is the best way to ensure a proper <i>UPDATE</i> statement | <input type="checkbox"/> |
| J. A proper <i>data dictionary</i> is best made with nonsensical names | <input type="checkbox"/> |
| K. Computers only Add or Subtract, sometimes with logic | <input type="checkbox"/> |
| L. <i>Ordinality</i> is important component of defining <i>Relationships</i> | <input type="checkbox"/> |
| M. A <i>Strong entity</i> is independent | <input type="checkbox"/> |
| N. The <i>owner</i> can create other owners | <input type="checkbox"/> |
| O. <i>TIMESTAMP(2)</i> means year | <input type="checkbox"/> |
| P. A <i>Real</i> number can <i>Float</i> | <input type="checkbox"/> |
| Q. <i>Stored Procedures</i> reside in the client | <input type="checkbox"/> |
| R. <i>VISTA</i> is dependent on <i>MUMPS</i> | <input type="checkbox"/> |
| S. You can hide images in your data securely! | <input type="checkbox"/> |
| T. <i>Foreign Keys</i> can have <i>RESTRICTive</i> actions even in the stronger entity | <input type="checkbox"/> |