| Regist | tration No: | | 210 | 210 | | 210 | | 210 | | 210 |
|--|-----------------------------|---------------------------------|--------------------------|--|-------------|----------|-----------|-------|------------|------------|
| Total Number of Pages: 01 | | | | | | | | | B.Te | |
| | | | ABASE N BR | ack Examina MANAGEMEI ANCH: MEC me: 3 Hours | NT SYS H | | | · | BECS22 | 08 |
| 210 | 210 | | ²¹⁰ Ma Q.0 | ax Marks: 70 CODE: B122 |) 1 | 210 | | 210 | | 210 |
| Answer Question No.1 which is compulsory and any five from the rest. The figures in the right hand margin indicate marks. | | | | | | | | | | |
| Q1 | | Answer the following questions: | | | | | | | |)) |
| ²¹⁰ b | • | • | | nagement. | | 210 | | 210 | | 210 |
| c |) What do you | mean by w | eak entity | set? | | | | | | |
| е | | | | | | | | | | |
| f g | • | | - | acies. and dense ind | ex. | | | | | |
| h |) List the two | commonly u | sed Concu | urrency Contro | lled tec | 0.40 | | 010 | | 010 |
| ²¹⁰ j | =' | • | and disad | vantage of ind | lexed se | equentia | I file? | 210 | | 210 |
| Q2 a |) Discuss the overcome by | | - | s of file syster | ms and | explain | how it ca | n be | (5) | |
| b |) Explain the t | hree differei | nt groups o | of data models | with ex | xamples. | | | (5) | |
| Q3 10 a |) With a neat o | diagram, exp | olain the st | tructures of DE | BMS. | 210 | | 210 | (5) | 210 |
| b | y What do you property with | • | ata abstra | ction? Mention | n its typ | es and o | compare | each | (5) | |
| Q4 a |) Construct an | E-R diagra | m for an e | mployee payro | oll syste | em. | | | (5) | |
| 210 |) What are the SQL stateme | | | erations suppo | orted in | SQL ? v | | n the | (5) | 210 |
| Q5 a |) Explain the p | rinciples of | Loss less | join decompos | sition. | | | | (5) | |
| b |) Explain 1NF, | 2NF,3NF a | nd BCNF s | suitable examp | ole. | | | | (5) | |
| Q6 a | • | = | | - | | | | | (5) (5) | |
| Q7 ²¹⁰ | Explain the v | arious inde | xing schen | nes used in da | atabase | environr | ment. | 210 | (10) | 210 |
| Q8 | Write short | answer on | any TWO: | • | | | | | (5 x 2) |) |

a) Serializability

c) Hashing

b) Deadlock prevention scheme

d) Concurrency problems 210