|   | USN |  |  |         |                |         |         |        |        |      |   |        |         | 4          |        | 6               | 1.     | Adyar, Man | galore   | 17EC             | C <b>81</b> |
|---|-----|--|--|---------|----------------|---------|---------|--------|--------|------|---|--------|---------|------------|--------|-----------------|--------|------------|----------|------------------|-------------|
| Eighth Semester B.E. Degree Examination, July/August 2021 |     |  |  |         |                |         |         |        |        |      |   |        |         |            |        |                 |        |            |          |                  |             |
|   |     |  |  | W       | lire           | les     | s (     | Cel    | lul    | ar   | · a                                     | nd     | LT      | <b>E</b> 4 | 1G     | Bro             | ad     | bar        | nd       |                  |             |
|   | Tim | ne: 3  | 3 hrs.   |         |                |         |         |        |        |      |   |        | ン       |            |        |                 |        | CN         | Лах. N   | [arks:1          | 00          |
|   |     |  |  |         |                |         | Not     | te: A  | lnsw   | ver  | an                                      | y FI   | VE j    | full q     | jues   | tions.          |        |            |          |                  |             |
| •   | 1   | a.   | Evn  | lain t  | he ad          | vonto   | mer     | ofO    | FDV    | 110  | adi                                     | ng to  | itee    | elect      | ion f  | or L T          | F      |            |          | (08 Ma           | rdze)       |
|   | 1   | b. Explain adaptive modulating and coding with neat block diagram. |  |         |                |         |         |        |        |      |   |        |         |            |        |                 | (08 Ma | · ·        |          |                  |             |
|   |     | c.   | Exp  | lain ł  | oriefly        | y path  | n los   | s.     |        |      |   | -      |         |            |        |                 |        |            |          | (04 Ma           | rks)        |
|   | 2   | a.   | Expl   | lain v  | with n         | leat h  | lock    | diad   | oram   | fla  | t Ľ                                     | TE S   | AE a    | rchit      | ectiv  | e               |        |            |          | (08 Ma           | rks)        |
|   | 2   | b.   | -  |         | lelay          |         |         |        |        |      |   |        |         | irenne     |        |                 |        |            |          | (08 Ma           | · · ·       |
|   |     | c.   | Mention advantages and disadvantages of cell sectoring in cell communications. |         |                |         |         |        |        |      |   |        | cellula |            |        |                 |        |            |          |                  |             |
|   |     |  | com  | mun     | icatio         | ns.     |         |        |        |      |   |        | X       | ,          |        |                 |        |            |          | (04 Ma           | rks)        |
| •   | 3   | a.   | Expl   | lain t  | he ba          | sic m   | ultic   | carrie | es tra | nsı  | nit                                     | ter an | d rec   | ceiver     | r wit  | h neat          | bloc   | k dia      | gram.    | (08 Ma           | rks)        |
|   |     | b.   | Exp  | lain t  | he pr          | incip   | le of   | oper   | ratio  | n o  | fO                                      | FDM    | dow     | vnlinl     | k trai | nsmitt          | er wi  | th nea     | at sketc |                  |             |
|   |     | c.   | Men  | tion    | the di         | iffere  | nces    | bety   | veen   | V-   | ·BL                                     | AST    | and     | D-BI       | LAS    | T enco          | oding  | tech       | niques.  | (08 Ma<br>(04 Ma | ,           |
|   |     |  |  |         |                |         |         |        |        |      |   |        |         |            |        |                 |        |            | I        |                  | ,           |
| (   | 4   | a.<br>1-   | -  | -       | beak t         |         | •       | -      |        |      | · ·                                     |        |         |            |        | v<br>a at la la | ماد ما |            |          | (08 Ma           | · ·         |
|   |     | b.<br>с.   | -  |         | OFD            |         | -       |        |        | 1111 |   |        | ecerv   | er wi      | RUI II | eat blo         | JCK U  | lagrai     | 11.      | (08 Ma<br>(04 Ma | · ·         |
|   |     |  |  | •       |                |         |         |        |        |      |   |        |         |            |        |                 |        |            |          | (*****           |             |
|   | 5   | a.   |  |         | ıplink         |         |         |        |        |      |   | chan   | nels.   |            |        | Ĉ               | Ś.     |            |          | (08 Ma           |             |
|   |     | b.<br>c.   |  |         | frame<br>Broad |         |         |        |        |      |   | न्     |         |            |        |                 | )      |            |          | (08 Ma<br>(04 Ma | · ·         |
|   |     | с.   | LAP  | Iuiii I | JIUuu          | Cust    | Jiiuii  | iner e | 1500   |      |   |        |         |            | Δ.     |                 |        |            |          | (04 114          | iiksj       |
| •   | 6   | a.   |  |         |                |         |         |        |        |      |   |        |         |            |        | ock di          |        | n.         |          | (08 Ma           |             |
|   |     | b.<br>c.   | With<br>Expl   |         |                |         | -       | _      |        |      | 110                                     | inter  | tace    | proto      | cols   | stack.          |        |            |          | (08 Ma<br>(04 Ma | · ·         |
|   |     | U.   | LAP  |         | piiir          | LI UIII | spor    | t ena  |        | 5.   |   |        | 6       |            |        |                 |        |            |          | (04 1414         | 1185)       |
|   | 7   | a.   |  |         | he typ         |         |         |        |        |      |   |        |         |            |        |                 |        |            |          | (08 Ma           |             |
| )   |     |  |  |         |                |         |         |        |        |      |   |        | tran    | sport      | cha    | nnel p          | roces  | sing.      |          | (08 Ma           |             |
|   |     | С.   | Exp  |         | Juner          | statu   | is lej  | porti  | ng n   | ւսլ  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | к.     |         |            |        |                 |        |            |          | (04 Ma           | (rks)       |
| •   | 8   | a.   | -  |         | with n         |         |         |        |        |      | -                                       |        |         | sed ir     | n LT   | E.              |        |            |          | (08 Ma           |             |
|   |     | b.   | -  |         | ando           |         | -       | -      |        |      |   |        |         | o in       | COI    | feedb           | ack?   |            |          | (08 Ma<br>(04 Ma |             |
|   |     | c.   | VV 11C   | 11 15 1 | neam           | . бур   | enou    | ine a  | nu aj  | per  | iou.                                    | ic rep | ortin   | ig m       | CQI    | leeub           | ack:   |            |          | (04 1912         | irksj       |
|   | 9   | a.   | -  |         | RRC            |         |         |        |        |      |   |        |         |            |        |                 | _      |            |          | (08 Ma           |             |
|   |     | b.   | -  |         |                | -       |         | 7      |        | ver  | X2                                      | mob    | ility   | with       | neat   | sketc           | h.     |            |          | (04 Ma           |             |
|   |     | c.   | схр  |         | lata ti        | ansie   |         | oues.  | •      |      |   |        |         |            |        |                 |        |            |          | (08 Ma           | (rks)       |
|   | 10  | a.   |  |         | RAN            |         |         |        |        |      |   |        | - ~     |            | ~      | _               |        |            |          | (08 Ma           |             |
|   |     | b.   |  |         | he ma          |         |         |        |        |      |   | of R   | LC a    | ind M      | IAC    | layers          | 5.     |            |          | (08 Ma           |             |
|   |     | c.   | Ехр  |         | Jagin          | g used  | u III . | ĸĸĊ    | , pro  | 100  | 01.                                     |        |         |            |        |                 |        |            |          | (04 Ma           | irksj       |
|   |     |  |  |         |                |         |         |        |        |      | *                                       | * * *  | * *     |            |        |                 |        |            |          |                  |             |
|   |     |  | ~  |         |                |         |         |        |        |      |   |        |         |            |        |                 |        |            |          |                  |             |
|   |     | Ċ  | ×.   |         |                |         |         |        |        |      |   |        |         |            |        |                 |        |            |          |                  |             |
|   |     |  | 2  |         |                |         |         |        |        |      |   |        |         |            |        |                 |        |            |          |                  |             |

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

CBCS SCHEME

