| Code No: 117JF   | A MARKET | R1. |
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| and the second s |          |     |

## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD. B. Tech IV. Year I Semester Examinations, November/December - 2016 TRANSPORTATION ENGINEERING - II

(Civil Engineering)

Max. Marks: 75

Time: 3 Hours

| Note: Th                        |  | contains two parts A and B.  |  | Max. Marks: 75                         |  |
|---------------------------------|--|--|--|--|--|
| Pa<br>Pa                        | ort A is compulsort B consists of                                      | ory which carries 25 marks: A 5 Units. Answer any one full on marks and may have a, b, c as sub  | question from eac  | ns in Part A.<br>h unit. Each          | X                                      |
|                                 |  | PART- A  | •  | •                                      |  |
| b) —De<br>c) Wl                 | hat is Negative Su   | sity?  |  | [2]                                    |  |
| Cur<br>e) Wh<br>f) Giv<br>g) Wh | rve?<br>nat is Hangar?<br>ve classification o<br>nat is the difference | f Airports as per ICAO.  | een Degree of Cu   | [3]<br>[2]<br>[2]<br>[2]<br>[2]<br>[3] |  |
| i) Def                          | fine ITS.  | ion of benefits of ITS.  Answer any that have query PART-B   | acsiaca (1671)<br>Film                                   | [2]<br>[3]<br>(50 Marks)               |  |
| 3.,                             | nponents. Briefly at are the function pers?                            | ram of a Permanent way on a describe the functions of each con OR  as of sleepers in a railway track?  | what are the requirements                                | indicate various [10] irements of good |  |
| com<br>spec<br>5. Wha           | 6 <sup>0</sup> curve diverge pute the super eld permitted on m         | es from a main curve of 30 in evation and the permissible speed ain line is 50 kmph. Cant deficien OR CREATE COR CREATE CORTER C | opposite direction d on branch line, cy permitted is 7.6 | in a BG track, if the maximum [10]     |  |
| 6. Disci                        | uss about the var<br>lards.  | ious geometric design elements o   | f a runway and th  |  |  |
| Stand<br>                       |  | OR CONTROL OF THE PROPERTY OF  |  | [10]                                   | ************************************** |
|                                 |  | and a second second second second  | eliperatur et element                                    |  |  |
| AG                              | HG.  | Hansan Hana  |  |  |  |
|                                 |  | The second of the property of the contract of  | Carried Barrier Land                                     |  |  |

| 7.          | The length of runward The airport is plan maximum daily: ter 21.6°C respectively actual runway length | ned at an elevand in The effective | ition of 900 m<br>nean of average<br>gradient of prop | above sea level.<br>daily femberatu | Monthly mean of     | **************************************          |
|-------------|---|------------------------------------|---|-------------------------------------|---------------------|---|
| 8.<br>9.    | Give the classification   | on of Harbours. Verations are to l | What are the feat oe given importa                    | nce?                                | While planning a    | 7 A P C N P A P A P A P A P A P A P A P A P A P |
| 10.<br>[11. | Discuss how Advance Management: Giving an overview of issues related.                                 |                                    | OR  |                                     | ely used in Traffic |   |
|             |   |                                    | ooOoo <sup>*</sup>                                    |                                     |                     | AG  |
|             |   |                                    |   |                                     | AC                  |   |
|             |   |                                    |   |                                     | AC                  | AC  |
| HE          | H.  | PG.,                               |   | FICE                                | AC                  | AG  |
| FG          |   |                                    | AC  | ĄC                                  |                     | AG  |
|             |   |                                    | FIG   | FG                                  | AC                  | FÜ  |