

Code No: 56005

Set No. 1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

III B.Tech. II Sem., II Mid-Term Examinations, April – 2014

TRANSPORTATION ENGINEERING

Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. The traffic signs which have been according to Indian motor vehicle act are []
a) Regulatory signs b) warning signs c) Informatory signs d) All the above
2. The traffic studies generally carried out are []
a) Traffic volume study b) Speed studies c) origins and destinations study d) All the above.
3. Parking facilities may be _____ []
a) On-street or kerb parking b) off- street parking c) only 1 d) 1 and 2
4. On straight roads the lighting layout may be of the followings []
a) Single side b) staggered c) central d) All the above
5. Airport elevation is the reduced level above M.S.L of []
a) Control tower b) Highest point of the landing area
c) lowest point of the landing area d) None of the above
6. Wing loading of an aircraft is []
a) Load of the wings b) $\frac{\text{Gross total weight of the aircraft}}{\text{load of the wings}}$
c) $\frac{\text{Gross total weight of the aircraft}}{\text{wing area}}$ d) none of these
7. According to ICAO the recommended length of air ports is decided based on []
a) sea level elevation b) standard sea level temperature
c) effective gradient percentage d) all the above
8. In Indian railways, the ratio of axle load to weight of rail is []
a) 312 b) 412 c) 512 d) 600
9. A triangle of railway consists of []
a) three turn outs b) one turn out and two diameter c) two turn outs and one split d) all the above
10. Smith diamond is provided if the angle of diamond is less than []
a) 2° b) 4° c) 6° d) 8°

Cont.....2

II Fill in the blanks

11. _____ and _____ technique are useful for studying short test sections like intersection etc.
12. Basic capacity of a single lane may be made from the relation_____.
13. Alternate signals or groups of signals show_____ indication in a route at the same time.
14. Practical capacity of the weaving section of a rotary _____.
15. When the traffic volume is _____as in most of the rural areas of Indian, construction of a rotary cannot be justified.
16. The relationship is used for computations_____.
17. The length of runway is increased per 300m rise above MSL is _____.
18. For night landing, the thresholds are lighted_____.
19. A kink is made in stock rails, a head of the toe of switch at 0 distance of_____.
20. A wing rail is renewed or reconditioned if its maximum vertical wears is_____.

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Set No. 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

III B.Tech. II Sem., II Mid-Term Examinations, April – 2014

TRANSPORTATION ENGINEERING

Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. On straight roads the lighting layout may be of the followings []
a) Single side b) staggered c) central d) All the above
2. Airport elevation is the reduced level above M.S.L of []
a) Control tower b) Highest point of the landing area
c) lowest point of the landing area d) None of the above
3. Wing loading of an aircraft is []
a) Load of the wings b) $\frac{\text{Gross total weight of the aircraft}}{\text{load of the wings}}$
c) $\frac{\text{Gross total weight of the aircraft}}{\text{wing area}}$ d) none of these
4. According to ICAO the recommended length of air ports is decided based on []
a) sea level elevation b) standard sea level temperature
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5. In Indian railways, the ratio of axle load to weight of rail is []
a) 312 b) 412 c) 512 d) 600
6. A triangle of railway consists of []
a) three turn outs b) one turn out and two diameter c) two turn outs and one split d) all the above
7. Smith diamond is provided if the angle of diamond is less than []
a) 2° b) 4° c) 6° d) 8°
8. The traffic signs which have been according to Indian motor vehicle act []
a) Regulatory signs b) warning signs c) Informatory signs d) All the above
9. The traffic studies generally carried out are []
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10. Parking facilities may be _____ []
a) On-street or kerb parking b) off- street parking c) only 1 d) 1 and 2

Cont.....2

II Fill in the blanks

11. Practical capacity of the weaving section of a rotary _____.
12. When the traffic volume is _____ as in most of the rural areas of Indian, construction of a rotary cannot be justified.
13. The relationship is used for computations_____.
14. The length of runway is increased per 300m rise above MSL is _____.
15. For night loading, the thresholds are lighted_____.
16. A kink is made in stock rails, a head of the toe of switch at 0 distance of_____.
17. A wing rail is renewed or reconditioned if its maximum vertical wears is_____.
18. _____ and _____ technique are useful for studying short test sections like intersection etc.
19. Basic capacity of a single lane may be made from the relation_____.
20. Alternate signals or groups of signals show_____ indication in a route at the same time.

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II Fill in the blanks

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12. The length of runway is increased per 300m rise above MSL is _____.
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