Civil Engg. Highway Engineering 4th Semester

1. 2 Mark Question

Alaka Behera
Mb No- 7008598632

1. What is right of way?
2. Name the common binders of road aggregate?
3. Name important transportation organisation?
4. Define cement stabilization?
5. Differentiate between bitumen and tar?
6. Difine ~~super elevation~~. Supercleveration?
7. What is the necessity of highway planning?
8. State the IRC specifications for width of carriageway for various classes of road?
9. What do you mean by soil stabilization?
10. Define retaining wall and breast wall?
11. What is camber? why it is provided the road?
12. What is flakiness index of the road aggregates?
13. What are the objectives of sub surface drainage of road aggregate?
14. What do you mean by road pavers & bull dozer?
15. What do you mean by soundness test?
16. Name the different traffic characteristics?

Civil Engg 5 Mark Questions Highway Engineering 4th Semester

Alina Behera

NB No- 700859863 2

1. Classify and explain traffic signal?
2. Explain briefly subsurface drainage system in highway with sketch?
3. Write short notes
   ~~a. Bull dozer~~
   a. Bull dozer
   b. Grader
   c. Scraper
   d. Roller dragline
4. Describe the impact test of aggregate?
5. Explain CBR test?
6. Mention the steps preparation of subgrade?
7. Explain Soil Stabilization?
8. Mention the types of equipment used for excavation & compaction of soil for embankment?
9. Derive an expression to find out the stopping sight distance at a level surface?
10. Distinguish between aggregate impact test and Loss Angeles Abrasion test?
11. State the cause of flexible pavements with neat sketch?
12. Discuss the maintenance procedures of cement concrete road?

Civil Engg. 10 Mark Questions: Highway Engineering Alivka Behera
Mb No - 7008598632

1. Derive an expression for calculating the overtaking ~~Sight~~ sight distance on a highway?
2. With neat sketch discuss the regulatory traffic sign?
3. Explain the construction procedure of embankment?
4. calculate the ~~Shape~~ Safe Stopping Sight distance for design speed of 50 Kmph for
   a. Two way traffic on two lane road
   b. Two way traffic on single lane road
   Assume co-efficient of friction as 0.37 and reaction time of drivers as 2.5 sec.
5. Briefly explain the cause of failure of pavement?
6. What is surface drainage? Explain briefly surface drainage system with figure?
7. Explain the total reaction time of driver?
8. Write short notes on
   a. Mechanical Stabilization
   b. Lime Stabilization
   c. cement Stabilization
   d. Fly ash Stabilization.