QUIZ NO: 345

TOPIC: HIGHWAY ENGINEERING

DATE: 31/12/2020

1. Group index method of design of flexible pavement is?

   [1] A theoretical method

   [2] An empirical method based on physical properties of sub-grade

   [3] An empirical method based on strength characteristics of sub-grade

   [4] A semi empirical method

   Answer: B

2. Los Angeles testing machine is used to conduct

   [1] Abrasion test

   [2] Impact test

   [3] Attrition test

   [4] Crushing strength test

   Answer: A

3. Penetration test on bitumen is used for determining its

[1] Grade

[2] Viscosity

[3] Ductility

[4] Temperature susceptibility

Answer: A

4. The traverse slope given to road surface is called

[1] Super elevation

[2] Sludge Gradient

[3] Unevenness

[4] Camber

Answer: D

5. What is the recommended value of longitudinal co-efficient of friction

[1] 0.10 to 0.15

[2] 0.4 to 0.45

[3]0.35 to 0.4

[4] 0.05 to 0.10

Answer: C

6. Which of the following is used for abrasion test?

[1] Junker's elastometer

[2] Dorry's testing machine

[3] Pensky – Martens apparatus

[4] None of the above

Answer: B

7. CBR test , the value of CBR is measured at

[1]7.5 mm penetration

[2]5.0 mm penetration

[3]2.5 mm penetration

[4] Both B & C

Answer: D

8. Bitumen is soluble in

[1] Diesel

[2] Water

[3] Petrol

[4] Carbon disulphide

Answer: D

9. In 85/25 grade of bitumen the figure of 25 represents

[1] Penetration

[2] Abrasion

[3] Fire point

[4] Flash point

Answer: A

10. For an Earthen road with light rainfall, the camber required is _____?

[1] 2%

[2] 3%

[3] 4%

[4] 5%

Answer: B

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