

Question bank for RBE

UNIT 1

2 Marks

- 1) What is the definition of Transportation system ?
- 2) Kahich are the modes of transportation system ?
- 3) Which are the component parts of railway track ?
- 4) What is mean by rail gauge ? State its types with its dimension.
- 5) Define the rail and state its functions.
- 6) Define creep of rails. And write down any 4 causes of creep.
- 7) Define fixture and fastening.state its types.

4 marks

- 1) Write down any 4 merits and demerits of railway.
- 2) Compare between roadway and railway.
- 3) Explain rail joint. And its requirment.
- 4) Write down idea requirement of good sleepers.
- 5) Compare between fish plate and bearing plate.
- 6) Draw a neat diagram of section showing component parte of permanent track.

UNIT 2

2 marks

- 1) Define alignment of track.
- 2) Define super elevation.
- 3) Define Cant deficiency.
- 4) Write down any 4 tools and it's use for track maintenance.
- 5) Define station yards. And it's types.

4 marks

- 1) Draw a C/S of B.G. single track in embankment.
- 2) Explain following terms:
 - 1)Tilting of the rails.
 - 2)Diamond crossing.
- 3) explain the factors affecting site selection for railway station.

UNIT 3

2 marks

- 1) What is mean by bridge?
- 2) Which are the components parts of bridge, write down any five.
- 3) What is mean by freeboard (F.B.)

- 4) What is mean by bridge alignment and give it's types.
- 5) What is mean by piers and abutment.
- 6) What is mean by bridge bearing, and give it's types.

4 marks

- 1) Explain factors affecting selection of site of bridge , enlist all and explain any four.
- 2) Enlist collection of design data for a bridge, explain any four.
- 3) Define foundation of bridge and explain it's function and types. With any one diagram.
- 4) Explain abutment with its type and function and requirement.
- 5) Define bearing and it's requirement and types.

Unit 4

2 marks

- 1) Why timber bridge is not popular?
- 2) What is mean by flying bridge and give it's types.
- 3) What is mean by floating bridge and give its type.
- 4) Define culvert and it's classification.

4 marks

- 1) Differentiate between flying and floating bridge.
- 2) Differentiate between permanant bridge and temperiory bridge.
- 3) What is suspension bridge, give it's types and explain any one with drawing .
- 4) Which points should be considered in inspection of bridge, elaborate any eight.

Unit 5

2 marks

- 1) What is mean by tunnel and give it's uses .
- 2) Which are the shapes of tunnel and draw any one.
- 3) Define shaft . Draw the diagram.
- 4) What is mean by drilling and give it's equipment used for drilling.
- 5) Define tunnel lining and give it's types.
- 6) Explain the necessity of tunnel maintenance.

4 marks

- 1) Give advantages and disadvantages of tunnel.
- 2) Write down classification of tunnel.

- 3) Compare tunneling in hard rock and soft rock.
- 4) Write down which precautions should be taken for construction of tunnel.
- 5) Write down equipment and machinery used in tunneling and give its uses.
- 6) Explain drainage of tunnel and classification of drainage system.