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End Semester examination (ESE) 2021

Semester: 6th (CIVIL)

Subject Code: CV-605

Subject: Railway, Bridge and Tunnel Engineering

Full Marks : 56

Duration: 2 hours and 30 minutes

Syllabus: New Syllabus

Instructions:

All Questions of part-A are compulsory

PART-A 10X1=10 MARKS		
Q.NO	Questions	MARKS
1	The first train in India was run in -----	1
2	The clear distance between inner faces or rails near their tops is known as ----- of the track.	1
3	The B.G is ----- wide.	1
4	Longitudinal movement of rails in a track is called-----.	1
5	Spread foundation is a type of -----	1
6	Culvert is a small bridge having total span not more than -----	1
7	The tunnels which are used for carrying road and railway track are known as ----- tunnel.	1
8	The art of providing fresh air in tunnels during and after their construction is called-----	1
9	An abutment serves both as pier and -----	1
10	Fish plate is a type of -----	1
PART B: 46MARKS		MARKS
Answer any <i>eight</i> questions 5X8=40 MARKS		
11	What is the role of Railway transportation in the development of Nation (India)?	5
12	Discuss merits and demerits of rail transportation and road transportation.	5
13	What is rail? What is the function of rails?	5
14	What are the different types of sleepers used in India? Explain with neat sketch.	5
15	What is railway station? What are the purpose of providing of railway station?	5

16	What is a bridge? Name the different parts of a bridge and explain them with neat sketches.	5
17	What is a culvert? Name the different types of culverts and explain them with neat sketches.	5
18	What is a tunnel? Give the necessity of a tunnel.	5
19	What are the shapes of a tunnel? Explain with sketches.	5
	Write short notes of any <i>three</i>	3X2=6
20	i) Afflux ii) Cofferdam iii) wing wall iv)Fishplate v) Rail joints	

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