

81572

QP Code :

Q.1		(20)
a	Explain the factors affecting the performance of stone crusher 01 marks for Explaining each factor	(05M)
b	Explain New Austrian tunneling Methods (NATM) with a brief line sketch 01 Mark for diagram , 04 Mark for explaining the method	(05M)
c	Explain with a brief line sketch the parts of Tower crane and its uses 2 Mark for diagram and 3marks for the parts of Tower crane and its uses	(05M)
d	Enlist and explain any two method of construction of flyovers 01 Mark for Enlisting , 4 mark for explaining any Two Methods	(05M)
e	Explain with a neat sketch the working of any one earth moving equipment. 2 Mark for sketch and 3 marks for explaining the working.	(05M)
Q.2		(20)
a	Draw and label accurately the neat diagram of TBM. Also explain the working feature of TBM. 02-Mark for neat diagram, 03 Mark for labelling, 05-Mark for working.	(10M)
b	Explain with a neat sketch the parts and working vertical shaft sinking machine. 01-Mark for neat dig., 02 Mark for labelling ,03-Mark for Explaining VSM	(06M)
c	Explain the working of Tunnel lining trolley 04-Mark for Explaining Tunnel lining trolley	(04M)
Q.3		(20)
a	Explain slip form-work system with neat labeled diagram. Write the application, advantage and disadvantage of slip form-work system. 02-Mark for neat diag., 02 Mark for labelling ,03 Mark for explaining of slip form system, 01 Mark for application, 01 Mark for Advantage and 01 Mark for Disadvantage .	(10M)

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	b	Explain construction of road using paver machines with the help of brief line sketches 04-Mark for neat dig. Explain the stage wise construction procedure - 06 Mark	(10)
Q.4			(20)
	a	Explain in detail the construction of railway line using track laying machine and also enlist the ancillary equipment required and their use for the construction of railway line. 02-Mark for explanatory sketches, .05 Mark explaining in detail the construction, 03 Mark ancillary equipment Equipment and use	(10)
	b	Draw the layout of hydropower station. Also enlist and explain the equipment required for the construction of Hydropower station. 02-Mark for the layout, 02 Mark for labelling. 01 Mark for Enlisting, 05 Mark for explaining equipment's required.	(10)
Q.5			(20)
	a	Explain the procedure and the equipment's required for construction and operation of an airport. 03 Mark for procedure of construction, 07 Mark for explaining the equipment.	(10)
	b	Enlist the methods of bridge construction and explain the incremental launching methods for the construction of bridges 02-Mark for neat diag., 02 Mark for labelling. 01 Mark for Enlisting, 05 Mark for explaining the incremental launching methods for the construction of bridges.	(10)
Q.6			(20)
	a	Enlist all pile driving equipment and explain diesel pile hammer. 01 Mark Enlisting the types , 02 Mark for Diagram , 02 Mark for Explaining	(05)
	b	Explain in brief the installation and operation of windmill. 01 Mark Enlisting the Equipment's required, 02 for installation, 02 Mark for operation.	(05)
	c	Explain the basic technology behind maglev trains 01 Mark Enlisting the Technique 02 Mark for Explaining EDS and 02 marks for explaining EMS	(05)
	d	Explain the basic technology of ground penetrating radar for location of	(05)

QP Code :

	<p>underground utilities 01 Mark for sketch, 04 Mark for Explaining the technology.</p>	
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