

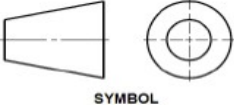
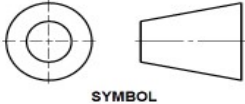



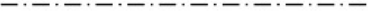
## Maharashtra Engineering Training Academy, Nashik

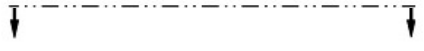


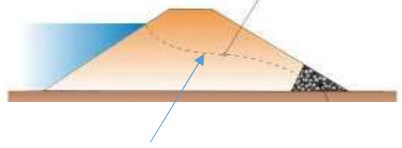
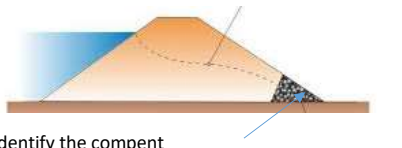
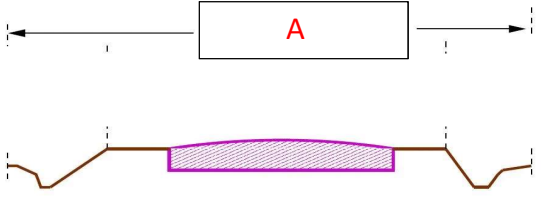
Professional Exam Division

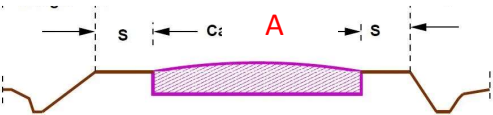


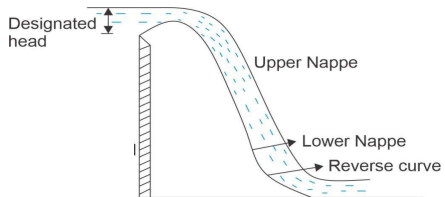
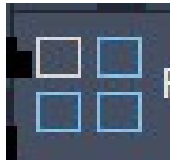
Practice Question for AE2/JE Exam - Set 14 - (22/08/2024)

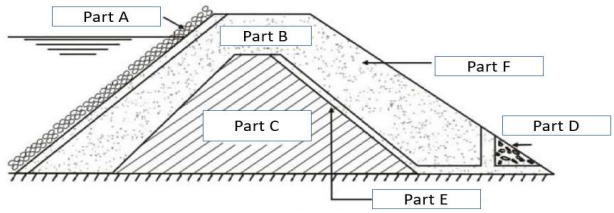
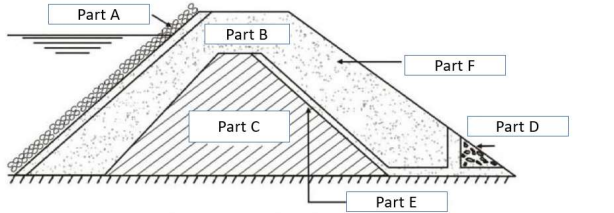
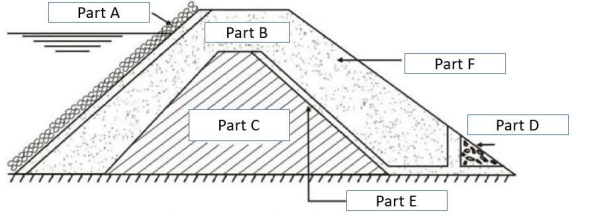
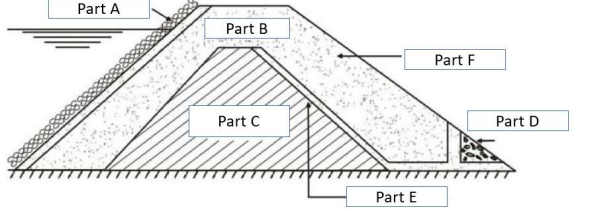
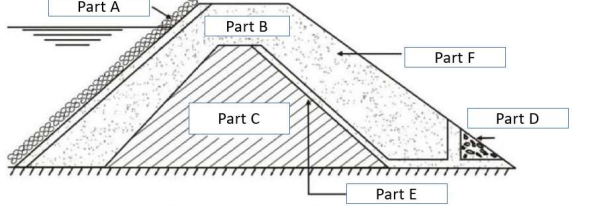
Drawing

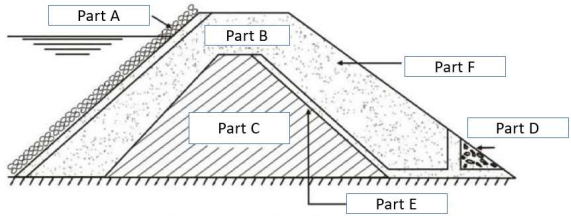
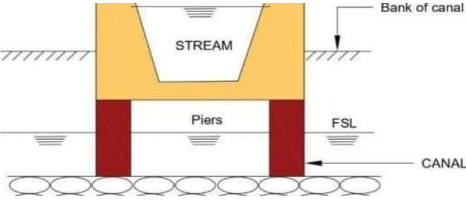
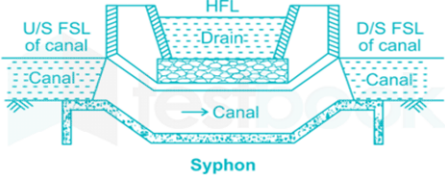

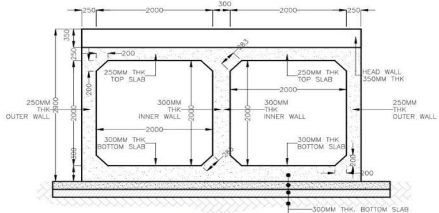
सदर सराव प्रश्न हे परीक्षार्थींच्या सोईसाठी व सरावासाठी देण्यात येत आहेत. परीक्षार्थींनी सदर प्रश्नांचा अभ्यास करून उत्तरे स्वतः शोधणे अपेक्षित आहे. तरी या सराव प्रश्नांबाबतच्या कुठल्याही तक्रारीची दखल या कार्यालयामार्फत घेण्यात येणार नाही याची नोंद घ्यावी.

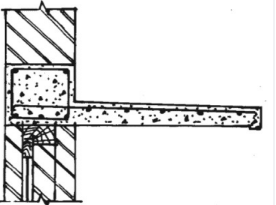
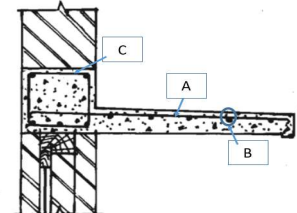
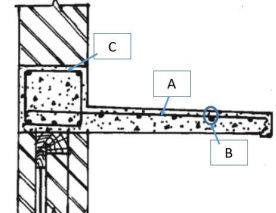
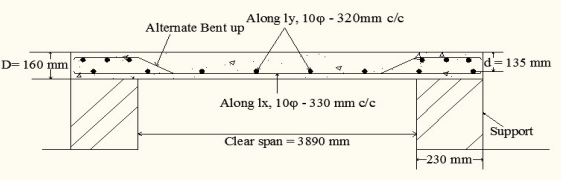
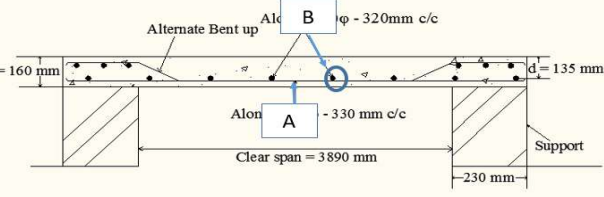
Sr. No.	Question	Correct Option	Option 1	Option 2	Option 3	Option 4
1	 <p style="text-align: center;">SYMBOL</p> <p>This Sybol represents....</p>	1	First Angle Methos	Third Angle Method	None of These	Second Angel Method
2	 <p style="text-align: center;">SYMBOL</p> <p>This Sybol represents....</p>	2	First Angle Methos	Third Angle Method	None of These	Second Angel Method
3	 <p>This Sybol represents....</p>	3	Stone masonry	Random Rubble Masonary	Brick masonry	Allof These
4	 <p>This Sybol represents....</p>	1	Stone masonry	Random Rubble Masonary	Brick masonry	Allof These
5	 <p>This Sybol represents....</p>	4	Stone masonry	Random Rubble Masonary	Brick masonry	Concrete
6	From the plan of a room we get information about its .....	1	Length & Breadth	Length Only	Breadth Only	Material used
7	What id DADO?	2	Bottom Tiles of Bathrooms	Tiles pasted on Side walls of Bathrooms	Face Tiles on Parapet Wall	Allof These
8	Which pencil is used for engineering drawing?	3	HB	2B	2H	6B
9	What are the angles of a equilateral Sets-square?	4	30-90-60	60-60-60	30-120-30	45-90-45
10	 <p>This Sybol represents....</p>	2	Hidden Line	Center Line	Thick Line	Section Line

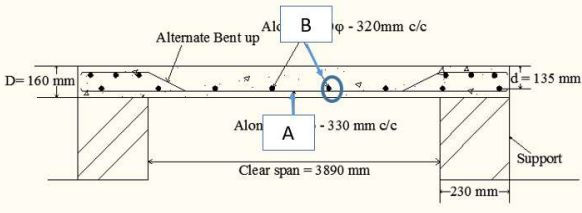
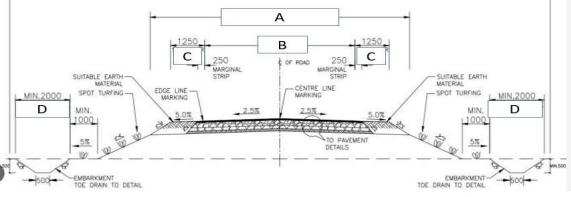
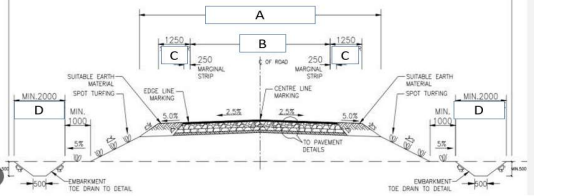
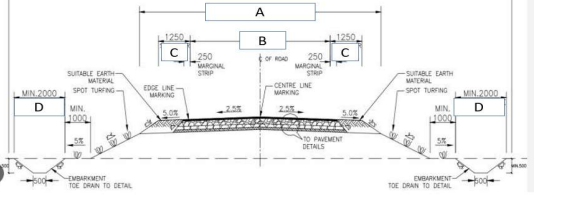
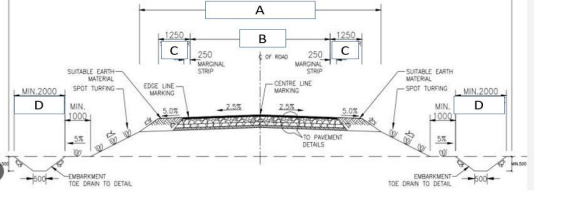
11	 <p>This Sybol represents....</p>	4	Hidden Line	Center Line	Thick Line	Section Line
12	What is the size of A0 Drawing Sheet in mm?	3	420 x 594	297 x 420	841 x 1189	210 x 297
13	What is the size of A4 Drawing Sheet in mm?	4	420 x 594	297 x 420	841 x 1189	210 x 297
14	 <p>Identify the road Sign</p>	1	Right hand Curve	Left had Curve	Overtaking Allowed	U- Turn
15	 <p>Identify the road Sign</p>	2	No Stoppage	No Entry	No Horn	Straight Road
16	 <p>The line shown is called as....</p>	3	Rock Embankment	Hearting	Phreatic Line	Toe Drain
17	 <p>Identify the compent</p>	4	Rock Embankment	Hearting	Phreatic Line	Toe Drain
18	 <p>The part A is called as....</p>	1	Right of Way	Roadway	Carriage Way	Margins

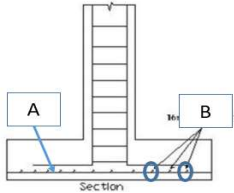
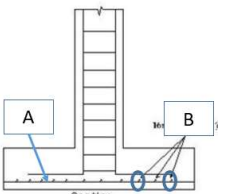
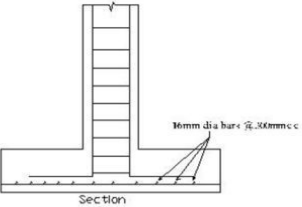
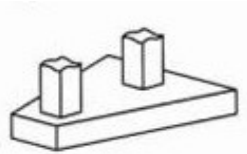
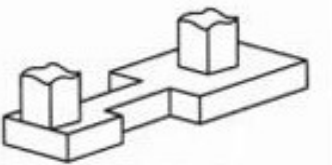
19	 <p>The part A is called as....</p>	3	Right of Way	Roadway	Carriage Way	Margins
20	 <p>Identify the structure</p>	2	Slab Culvert	Pipe Culvert	Toe Drain	Stone Culvert
21	What is the standard size of Brick in cm?	1	19 x 9 x 9	19 x 4 x 4	19 x 19 x 19	All of These
22	Pentagon has .... Sides	3	9	8	5	7
23	 <p>The slope shown on road surface is called as .....</p>	3	Sloped Surface	Gradient	Camber	None of These
24	 <p>Identify the structure</p>	2	Non-overflow Dam	Spillway	Fall	Stilling Basin
25	 <p>This command is used for ..... In AutoCAD</p>	1	Array	Multiply	Copy Paste	Hatch

26	 <p>Identify the name of Part A</p>	2	Rock Toe	Rip-Rap	Shell	Core
27	 <p>Identify the name of Part B</p>	3	Rock Toe	Rip-Rap	Shell	Core
28	 <p>Identify the name of Part C</p>	2	Rock Toe	Rip-Rap	Shell	Impervious Core
29	 <p>Identify the name of Part A</p>	4	Rock Toe	Rip-Rap	Shell	Impervious Core
30	 <p>Identify the name of Part D</p>	1	Rock Toe	Rip-Rap	Shell	Impervious Core

31	 <p>Water is storage is done on ..... side of dam</p>	1	Upstream side	Downstream side	Both Side	None of These
32	 <p>Identify the structure</p>	3	Aqueduct	Under pass	Super Passage	None of These
33	 <p>Identify the structure</p>	2	Aqueduct	Syphon	Super Passage	None of These
34	 <p>Identify the structure</p>	1	Aqueduct	Syphon	Super Passage	None of These
35	 <p>Identify the structure</p>	4	Slab Drain	Arch Culvert	Super Passage	Box Culvert

36	 <p>Identify the structure</p>	2	Wooden Chhajja	RCC Chhajja	Concrete Chhajja	All of These
37	 <p>The Main reinforcement of Chhajja is ....</p>	1	A	B	C	All of These
38	 <p>The Distribution reinforcement of Chhajja is ....</p>	2	A	B	C	All of These
39	 <p>Identify the structure</p>	3	Continuous Slab	Cantilever Slab	Simply Supported Slab	All of These
40	 <p>Which is the Main reinforcement in this slab?</p>	1	A	B	Both A & B	None of These

41	 <p>Alternate Bent up A <math>\phi = 320\text{mm c/c}</math> Along A - 330 mm c/c Clear span = 3890 mm Support D = 160 mm d = 135 mm</p>	2	A	B	Both A & B	None of These
Which is the Distribution reinforcement in this slab?						
42		1	Formation Width	Carriage Way	Shoulders	Side Drain
Name the part A in cross section of road						
43		2	Formation Width	Carriage Way	Shoulders	Side Drain
Name the part B in cross section of road						
44		3	Formation Width	Carriage Way	Shoulders	Side Drain
Name the part C in cross section of road						
45		4	Formation Width	Carriage Way	Shoulders	Side Drain
Name the part D in cross section of road						

46	 <p>Identify the Main reinforcement in footing</p>	3	A	B	Both A & B	None of These
47	 <p>Identify the Distribution reinforcement in footing</p>	4	A	B	Both A & B	None of These
48	 <p>Identify the structure</p>	1	Spread Footing	Shoe Footing	Strap Footing	CombineFooting
49	 <p>Identify the structure</p>	4	Spread Footing	Shoe Footing	Strap Footing	CombineFooting
50	 <p>Identify the structure</p>	3	Spread Footing	Shoe Footing	Strap Footing	CombineFooting



51	What does a civil engineering drawing typically depict?	1	Structural design	Artistic representations	Computer programming	Literature
52	What does the abbreviation "R.C.C." stand for in civil engineering drawings?	1	Reinforced Cement Concrete	Reinforced Clay Construction	Regular Cement Concrete	Reinforced Composite Construction
53	What does the abbreviation "G.C." stand for in civil engineering drawings?	1	General Contractor	Ground Cover	Gravel Cover	General Construction
54	Which drawing type is used to show the vertical dimensions of a building?	2	Floor plan	Elevation	Site plan	Detail drawing
55	In civil engineering drawings, what does the term "datum" refer to?	1	A reference point for elevation measurements	A type of building material	A construction technique	A symbol for electrical fixtures
56	What does the abbreviation "G.F.A." stand for in building plans?	1	Gross Floor Area	Ground Floor Access	General Floor Arrangement	Ground Floor Area
57	In which drawing would you find detailed construction instructions for a specific part of the building?	3	Site plan	Floor plan	Detail drawing	Elevation drawing
58	What do hatching patterns in a civil engineering drawing often represent?	1	Material types	Hidden lines	Structural supports	Property boundaries
59	What is typically shown in a site plan?	1	The layout of the building and landscaping	Interior room layout	Cross-sectional details	Building elevation
60	Which symbol is commonly used to represent a door in a floor plan?	1	A rectangle with a diagonal line	A circle with a cross	A square with a line	A dashed line
61	In a civil engineering drawing, what is the function of dimension lines?	1	To provide measurements of distances and sizes	To show material types	To illustrate construction methods	To indicate hidden elements
62	Which drawing would show how a building looks from the front or side?	2	Floor plan	Elevation	Section view	Site plan
63	Which line type in a civil engineering drawing represents a boundary or edge?	2	Dashed line	Solid line	Dotted line	Chain line
64	What does a "key plan" typically show in civil engineering drawings?	1	The location of various plans within the context of the entire project	Detailed construction methods	Material specifications	Electrical wiring layouts
65	Which type of line represents the outline of an object in a drawing?	3	Hidden line	Centerline	Object line	Dimension line
66	What does the abbreviation "A.C." commonly represent in a civil engineering drawing?	1	Air Conditioning	Alternate Current	Access Corridor	Asphalt Concrete
67	In a civil engineering drawing, what is the purpose of using different line weights?	1	To indicate different types of elements or their importance	To show hidden features	To illustrate materials	To represent the scale of the drawing
68	What is typically shown in a "foundation plan"?	1	The layout of the foundation, including footings and supports	The architectural layout of rooms	The vertical dimensions of the building	The exterior façade details
69	Which drawing would you refer to for details about the structural framework of a building?	3	Floor plan	Elevation	Structural plan	Site plan
70	In civil engineering drawings, what does the term "R.O." often refer to?	1	Rough Opening	Reinforced Outer	Regular Opening	Room Orientation
71	What is the purpose of a "plumbing plan" in civil engineering drawings?	1	To show the layout of plumbing fixtures and piping	To illustrate the foundation details	To represent the building's electrical wiring	To display landscaping elements
72	Which type of drawing shows the relationship between various elements and the site?	2	Floor plan	Site plan	Detail drawing	Elevation
73	In civil engineering drawings, what does the term "bearing" refer to?	1	The orientation of a structure or element	The type of material used	The design load of a structure	The depth of excavation
74	In a floor plan, what does the abbreviation "W.C." usually stand for?	1	Water Closet	Work Chamber	Window Covering	Wall Column

75	Which drawing shows a horizontal cut through a building to reveal internal features?	3	Floor plan	Elevation	Section view	Detail drawing
76	What is represented by "hatching" in civil engineering drawings?	1	Different types of materials or construction methods	Hidden elements	Electrical connections	Water lines
77	Which of the following would typically be shown in a "landscape plan"?	1	Placement of trees, shrubs, and outdoor features	Interior room layouts	Structural support details	Electrical systems
78	What does the abbreviation "M.O." often refer to in civil engineering drawings?	1	Masonry Opening	Mechanical Outline	Main Outlet	Minimum Object
79	In civil engineering drawings, what is a "callout"?	1	A note or label indicating specific details or features	A type of construction material	An area that is not drawn to scale	A section of the drawing that is not visible
80	What does the term "backfill" refer to in a civil engineering drawing?	1	Material used to fill in excavations around foundations	The exterior facade of a building	The interior wall finishes	The structural beams of a building
81	Which type of drawing shows the layout of electrical outlets, switches, and wiring?	1	Electrical plan	Plumbing plan	Structural plan	Site plan
82	What is typically indicated by "dimension lines" in civil engineering drawings?	1	The measurements of distances and sizes	The type of materials used	The location of plumbing fixtures	The vertical height of the building
83	What does the abbreviation "C/L" stand for in civil engineering drawings?	1	Center Line	Construction Line	Column Length	Concrete Level
84	In civil engineering drawings, what does "elevation" refer to?	1	The height of an object or structure	The view of a structure from above	The cross-sectional view of a building	The layout of rooms
85	What is the purpose of a legend in civil engineering drawings?	1	To provide a key for symbols and abbreviations	To add decorative elements	To show the project budget	To explain construction techniques
86	Which drawing shows the vertical alignment of a building or structure?	2	Floor plan	Elevation	Section view	Site plan
87	What is typically shown in a "roof plan"?	1	The layout of the roof structure and features	The interior layout of rooms	The foundation details	The site landscaping
88	What does the term "footing" refer to in civil engineering drawings?	1	The part of the foundation that supports a structure	The top of the building	The exterior cladding material	The interior partition walls
89	Which symbol is commonly used to represent a window in a floor plan?	1	A rectangle with two vertical lines	A circle with a line	A square with a diagonal line	A dashed rectangle
90	What does the abbreviation "S.O." typically stand for in civil engineering drawings?	1	Structural Opening	Site Orientation	Service Outlet	Soil Observation
91	In civil engineering drawings, what does a "detail view" provide?	1	An enlarged view of a specific part of the drawing	A view of the entire site	The layout of rooms and floors	The external appearance of the building
92	What does the abbreviation "H.W." stand for in civil engineering drawings?	2	High Water	Hot Water	Horizontal Wall	Hydraulic Water
93	Which drawing shows the layout of a building in relation to its surroundings?	1	Site plan	Floor plan	Section view	Elevation
94	What does the term "finished floor level" (FFL) refer to?	1	The height of the top surface of the floor when construction is completed	The base level of the foundation	The level of the roof	The depth of excavation
95	In a civil engineering drawing, what does the term "overhead" often refer to?	1	Elements or features above the floor level	Underground utilities	Wall sections	Basement layout
96	Which scale is commonly used for architectural floor plans?	4	1:10	1:20	1:50	1:100

97	What is a "cross-section" in civil engineering drawings?	1	A view of a building or structure cut horizontally or vertically	A detailed view of the exterior facade	The layout of electrical systems	The plan view of the site
98	What does the abbreviation "P.O.C." typically refer to in civil engineering drawings?	1	Point of Connection	Place of Construction	Pattern of Construction	Plan of Completion
99	Which drawing typically includes information on landscaping features?	1	Landscape plan	Floor plan	Section view	Electrical plan
100	What does "D.P." stand for in civil engineering drawings?	1	Drainage Pipe	Design Plan	Dimension Point	Drafting Procedure
101	In a civil engineering drawing, what does a "centerline" denote?	1	The middle axis of a component or structure	The edge of a building	The location of plumbing fixtures	The boundary of the site
102	What is shown in a "hvac plan"?	1	The layout of heating, ventilation, and air conditioning systems	The arrangement of plumbing fixtures	The design of structural supports	The landscaping elements
103	What does "F.F.E." refer to in civil engineering drawings?	1	Finished Floor Elevation	Foundation Footing Edge	Front Facade Elevation	Final Floor Equipment
104	Which drawing is used to show the detailed construction of staircases?	1	Detail drawing	Floor plan	Elevation	Site plan
105	What does the abbreviation "P.V.C." stand for in civil engineering drawings?	1	Polyvinyl Chloride	Precast Concrete	Post-Vent Construction	Permeable Concrete
106	In civil engineering drawings, what is the purpose of "reference markers"?	1	To indicate specific locations or sections within the drawing	To show the type of materials used	To outline construction techniques	To display the project timeline
107	In civil engineering drawings, what does a dashed line typically represent?	1	Hidden or non-visible elements	Structural components	Site boundaries	Electrical wiring
108	Which type of drawing provides a view of a building or structure from above?	1	Floor plan	Section view	Elevation	Detail drawing
109	What does the abbreviation "R.O.W." stand for in civil engineering drawings?	1	Right of Way	Road Opening Width	Reinforced Outer Wall	Roof Overhang Width
110	What is represented by "sectional hatching" in civil engineering drawings?	1	Different types of materials or construction methods	Hidden structural elements	The layout of plumbing and electrical systems	The building's façade details
111	In a civil engineering drawing, what does the term "beam" refer to?	1	A horizontal structural element that supports loads	A vertical support column	An exterior wall section	A type of window
112	Which drawing type shows the intersection of two or more elements of a building?	1	Section view	Elevation	Site plan	Floor plan
113	What does "M.H." stand for in civil engineering drawings?	1	Manhole	Mechanical Hatch	Masonry Height	Minimum Height
114	Which line type is used to indicate the center of circles or arcs?	1	Centerline	Object line	Hidden line	Dimension line
115	What does the abbreviation "S.O.P." stand for in civil engineering drawings?	2	Standard Operating Procedure	Structural Opening Plan	Site Occupancy Plan	Surveying Operations Plan
116	What is the purpose of "grid lines" in civil engineering drawings?	1	To provide a reference system for locating elements	To indicate the boundary of the site	To show the material types used	To display construction stages
117	What does the term "dead load" refer to in civil engineering drawings?	1	The static load of the structure itself	The load from wind or earthquakes	The load from moving vehicles	The load from temporary structures
118	What does the term "contour" refer to in site plans?	1	Lines representing elevations	The shape of walls	Placement of furniture	Utility connections
119	Which drawing is typically used to illustrate the location of utility lines?	1	Utility plan	Floor plan	Section view	Elevation
120	What does "L.L." stand for in civil engineering drawings?	1	Live Load	Lateral Load	Lower Level	Load Line
121	In civil engineering drawings, what does "E.W." refer to?	1	Exterior Wall	Electrical Wiring	Emergency Water	Excavation Width

122	Which drawing shows a cutaway view through a building to show internal features?	1	Section view	Elevation	Floor plan	Detail drawing
123	What does the term "sub-grade" refer to in civil engineering drawings?	1	The layer of soil beneath the foundation	The surface of the floor	The top layer of the roof	The height of the building
124	What is represented by "line weight" in civil engineering drawings?	1	The thickness of lines used to indicate different elements	The length of lines	The color of lines	The type of line pattern
125	What does the abbreviation "P.T." stand for in civil engineering drawings?	1	Post Tensioned	Pipe Tension	Preliminary Test	Planar Texture
126	Which type of drawing provides detailed information on stair designs?	1	Detail drawing	Floor plan	Site plan	Elevation
127	In civil engineering drawings, what does "T.O.S." refer to?	1	Top of Steel	Type of Surface	Total Occupied Space	Thickness of Stone
128	What is the function of "construction notes" in civil engineering drawings?	1	To provide instructions and details for the construction process	To show the project's budget	To illustrate the building's aesthetic design	To list material suppliers
129	Which drawing typically shows the layout of rooms and their dimensions?	2	Elevation plan	Floor plan	Site plan	Section view
130	What does the term "site plan" generally include?	1	The layout of the site, including buildings, landscaping, and utilities	The internal layout of rooms	The structural details of the foundation	The elevation of the building
131	In civil engineering drawings, what does the abbreviation "H.C." stand for?	1	Handicapped Access	Hydraulic Cement	Height Clearance	Heating Circuit
132	Which drawing would you use to find the locations of fire extinguishers and emergency exits?	1	Safety plan	Floor plan	Electrical plan	Site plan
133	What does "G.F.B." stand for in civil engineering drawings?	1	Ground Floor Beam	General Floor Base	Gross Floor Balance	Ground Floor Base
134	In civil engineering drawings, what does the term "scaling" refer to?	1	The process of converting measurements to a smaller or larger size	The design of staircases	The addition of materials	The height of walls
135	What does "P.D." typically refer to in civil engineering drawings?	1	Property Drainage	Project Development	Preliminary Design	Plan Detail
136	Which drawing shows the layout of structural elements such as columns and beams?	1	Structural plan	Floor plan	Site plan	Elevation
137	What does the abbreviation "S.P." stand for in civil engineering drawings?	1	Site Plan	Structural Pipe	Structural Panel	Service Point
138	In civil engineering drawings, what is the purpose of "notations"?	1	To provide additional information or explanations about the drawing	To show hidden elements	To indicate construction stages	To represent different materials
139	Which drawing type is used to show the layout and design of drainage systems?	1	Drainage plan	Floor plan	Structural plan	Site plan
140	In a civil engineering drawing, what does a "section view" provide?	2	A view from above the structure	A cross-sectional cut through the structure	The layout of utilities	The exterior façade
141	What does the abbreviation "A.B." typically refer to in civil engineering drawings?	1	Anchor Bolt	Average Base	Architectural Block	Aggregate Base
142	In civil engineering drawings, what does "B.O." stand for?	1	Bottom of	Beam Outline	Building Opening	Base of
143	What is typically shown in a "land survey" drawing?	1	The topography and boundaries of a land parcel	The interior layout of a building	The elevation of the building's façade	The structural details of the foundation
144	Which drawing provides information on the alignment and placement of roadways?	1	Road plan	Site plan	Floor plan	Elevation
145	What does the abbreviation "S.W." stand for in civil engineering drawings?	1	Storm Water	Structural Wall	Site Width	Service Water

146	In civil engineering drawings, what does "T.O.P." refer to?	1	Top of Plate	Total Operating Pressure	Time of Placement	Type of Panel
147	Which type of drawing is used to detail the placement and layout of plumbing fixtures?	1	Plumbing plan	Electrical plan	Structural plan	Site plan
148	What does the abbreviation "W.P." refer to in civil engineering drawings?	1	Water Proof	Wall Panel	Work Plan	Width of Pavement
149	What is the purpose of "cut sections" in civil engineering drawings?	1	To show the interior structure or details of a building	To display the external appearance of the building	To illustrate the site layout	To indicate the type of materials used
150	Which type of drawing shows the location and layout of exterior features such as landscaping and hardscaping?	1	Landscape plan	Floor plan	Elevation	Structural plan
151	What is the default unit of measurement in AutoCAD?	1	Inches	Millimeters	Centimeters	Feet
152	How can you view different layers in AutoCAD?	1	Through the Layer Properties Manager	By typing VIEW	By clicking the 'Layer' tab in the ribbon	By using the 'LAYOUT' command
153	Which command is used to create a 3D solid object?	4	EXTRUDE	REVOLVE	LOFT	All of the above
154	How do you access the 'Options' dialog box in AutoCAD?	1	By typing OPTIONS	By clicking the 'Application menu'	By pressing F2	By using the command 'SETTINGS'
155	Which tool allows you to precisely place objects in AutoCAD?	1	Object Snap (OSNAP)	Dynamic Input	Grips	Properties Palette
156	What does the 'ARRAY' command do?	1	Creates multiple copies of an object in a pattern	Resizes an object	Moves an object	Rotates an object
157	Which command is used to join two or more lines into a polyline?	1	JOIN	UNION	COMBINE	GROUP
158	What does the 'MIRROR' command do in AutoCAD?	1	Flips an object over a specified axis	Moves an object	Scales an object	Rotates an object
159	Which command is used to measure the distance between two points in AutoCAD?	1	DIST	MEASURE	DIM	LENGTH
160	How can you quickly switch between different views in AutoCAD?	1	By using the ViewCube	By pressing F5	By typing SWITCHVIEW	By clicking the 'Views' tab in the ribbon
161	Which command is used to remove extra geometry and clean up the drawing?	2	CLEANUP	PURGE	REPAIR	FIX
162	Which command is used to draw a straight line in AutoCAD?	2	RECTANGLE	LINE	POLYLINE	CIRCLE
163	How do you adjust the thickness of a line in AutoCAD?	3	By using the 'LWEIGHT' command	By using the 'LINE' command	By adjusting the 'Lineweight' property in the Properties Palette	By using the 'STRETCH' command
164	What is the function of the 'HATCH' command?	1	To fill an enclosed area with a pattern	To draw a rectangle	To create a 3D surface	To draw lines
165	Which command allows you to create a new layer in AutoCAD?	3	NEWLAYER	ADDLAYER	LAYER	LAYERPROPERTIES
166	How do you save your current drawing in AutoCAD?	4	By pressing Ctrl+S	By typing SAVEAS	By using the 'Save' button in the application menu	All of the above
167	Which command is used to make a copy of an object at a specific distance?	1	COPY	OFFSET	MIRROR	ARRAY
168	What does the 'ROTATE' command do?	1	Turns an object around a base point	Moves an object	Scales an object	Changes the layer of an object
169	How do you display the properties of a selected object?	1	By using the 'Properties' palette	By typing PROPERTIES	By pressing Ctrl+P	By right-clicking and selecting 'Properties'
170	Which command is used to create a new drawing?	1	NEW	CREATE	DRAW	OPEN
171	What does the 'XLINE' command create in AutoCAD?	1	An infinite line	A line with specific length	A line between two points	A curved line
172	Which command is used to modify the size of a drawing object?	1	SCALE	RESIZE	STRETCH	MODIFY

173	What does the 'TRIM' command do in AutoCAD?	3	Extend objects	Shorten objects	Cut objects	Resize objects
174	What does the 'FILLET' command do in AutoCAD?	1	Rounds the corners of an object	Joins two objects	Splits an object	Extends an object
175	Which command is used to create a dimension in AutoCAD?	1	DIMLINEAR	MEASURE	SCALE	LENGTH
176	How do you set a specific coordinate system for your drawing?	4	By using the UCS command	By typing COORD	By using the GRID command	By adjusting the SNAP settings
177	How do you activate the 'Pan' tool in AutoCAD?	2	By pressing F1	By pressing the mouse wheel	By typing PAN	By pressing the space bar
178	What does the 'OFFSET' command do in AutoCAD?	2	Moves objects	Duplicates objects at a specified distance	Rotates objects	Mirrors objects
179	Which command is used to create a circle in AutoCAD?	1	CIRCLE	ARC	ELLIPSE	POLYGON
180	What is the purpose of the 'BLOCK' command in AutoCAD?	1	To create a reusable set of objects	To delete objects	To rotate objects	To mirror objects
181	Which command is used to change the layer properties?	1	LAYER	COLOR	LINEWEIGHT	STYLE
182	What does the 'EXPLODE' command do in AutoCAD?	2	Combine objects	Break down a block into its component parts	Resize objects	Align objects
183	In a technical drawing, which line type is typically used for visible edges?	3	Hidden line	Centerline	Visible line	Section line
184	In orthographic projection, how many views are typically used to represent a 3D object completely?	3	1	2	3	4
185	In technical drawing, what does a 'reference dimension' indicate?	1	A dimension used for reference purposes only and not for manufacturing	A critical dimension necessary for assembly	A dimension that changes with the drawing scale	A dimension used to calculate material costs
186	In which type of drawing is the object's features drawn at full scale and other features are drawn in a reduced size?	4	Orthographic drawing	Isometric drawing	Assembly drawing	Detail drawing
187	What does the 'scale factor' in a drawing represent?	1	The proportion of the drawing size to the actual size	The color intensity used in the drawing	The thickness of the drawing lines	The material used for the drawing
188	What does the term 'datum' refer to in engineering drawing?	1	A reference point or surface from which measurements are made	A type of line used in the drawing	A color code used for dimensions	A specific drawing scale
189	What does the term 'scale' refer to in engineering drawings?	1	The proportion of the drawing to the actual object	The thickness of lines	The type of paper used	The color of the drawing
190	What does the term 'tolerancing' refer to in engineering drawings?	2	The measurement of angles	The permissible limit of variation in dimensions	The color code used	The thickness of lines
191	What is a 'bill of materials' in an engineering drawing?	1	A list of all the components required for manufacturing	A detailed drawing of the object	A list of suppliers	A graphical representation of dimensions
192	What is a 'cutting plane line' in section views?	1	A line indicating where the object has been cut to show internal features	A line representing the object's external edge	A line used for dimensioning	A line showing the object's center

193	What is a 'hidden line' in engineering drawing?	1	A line that represents edges not visible in the current view	A line used for decorative purposes	A line that is highlighted for emphasis	A line showing the center of a circle
194	What is an 'exploded view' in an engineering drawing?	1	A view showing the object disassembled into its components	A view showing a detailed cross-section	A view showing the object in perspective	A view of the object from a distance
195	What is the function of 'leader lines' in an engineering drawing?	1	To connect a dimension or note to a specific feature of the drawing	To indicate hidden features	To outline the object's boundary	To represent centerlines
196	What is the main difference between a 'section view' and a 'detail view'?	1	A section view shows internal features by cutting through the object, while a detail view shows a magnified portion of the drawing.	A section view shows external features, while a detail view shows the overall object.	A section view is used for dimensioning, while a detail view is used for colors.	A section view is a perspective drawing, while a detail view is an isometric drawing.
197	What is the primary purpose of an engineering drawing?	2	To provide artistic representation	To communicate technical information	To serve as a legal document	To decorate architectural plans
198	What is the purpose of a section view in an engineering drawing?	1	To show internal features of a component	To display the external appearance only	To provide a view from the top	To illustrate the color of the component
199	What is the purpose of a title block on an engineering drawing?	1	To provide information about the drawing, such as title, scale, and date	To display the drawing's artistic design	To highlight the drawing's colors	To show the dimensions of the drawing paper
200	What is the purpose of dimensioning in an engineering drawing?	2	To indicate the colors used	To provide measurements and sizes of components	To describe the material properties	To show the location of the drawing
201	What is the purpose of using 'hatching' in a section view?	1	To indicate the material and texture of the sectioned area	To represent hidden lines	To show the object's centerline	To dimension the sectioned area
202	What is the standard angle for drawing an isometric view in engineering drawing?	1	30 degrees	45 degrees	60 degrees	90 degrees
203	Which drawing view is used to show the width and depth of an object?	2	Top view	Side view	Front view	Section view
204	Which line type is used to represent the centerline of an object?	3	Dashed line	Solid line	Chain line	Dotted line
205	Which line type is used to show dimensions and their locations in engineering drawings?	1	Dimension line	Hidden line	Centerline	Section line
206	Which type of drawing is used to show the relationship between parts in an assembly?	2	Detail drawing	Assembly drawing	Section drawing	Exploded view drawing
207	Which type of line is used to show dimensions in a drawing?	2	Visible line	Dimension line	Centerline	Hidden line
208	Which type of projection is commonly used in engineering drawings for a three-dimensional view?	1	Isometric projection	Orthographic projection	Perspective projection	Oblique projection
209	Which view is typically used to show the height and width of an object in orthographic projection?	2	Top view	Front view	Side view	Section view

# Types of Line

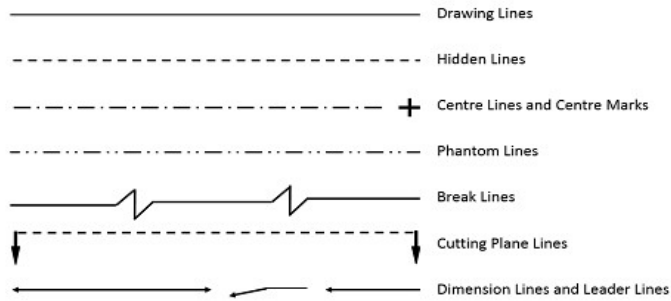
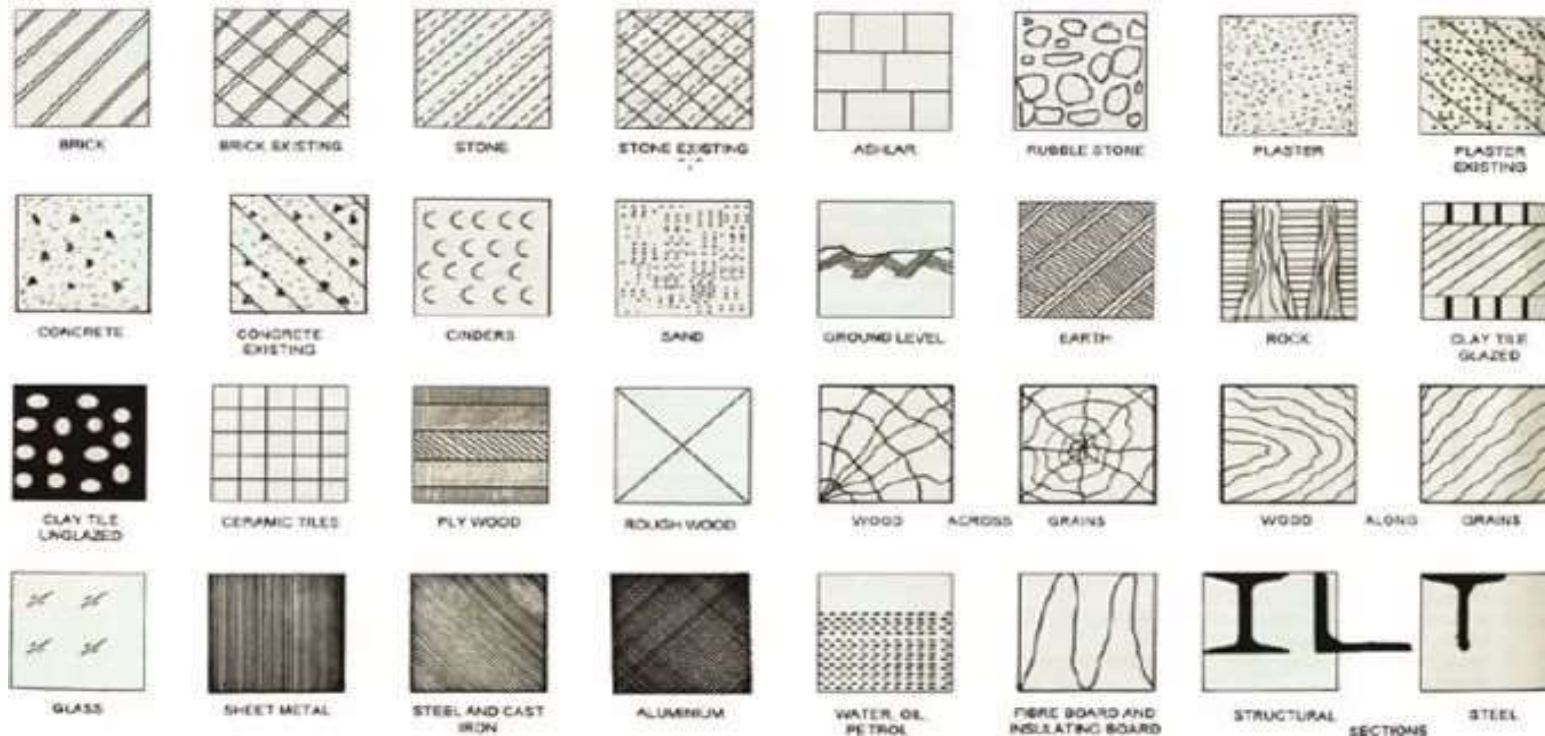






































Table 1.2 Standard Sizes of Drawing sheets as per BIS

Designation	Size (mm)
A0	841 x 1189
A1	594 x 841
A2	420 x 594
A3	297 x 420
A4	210 x 297

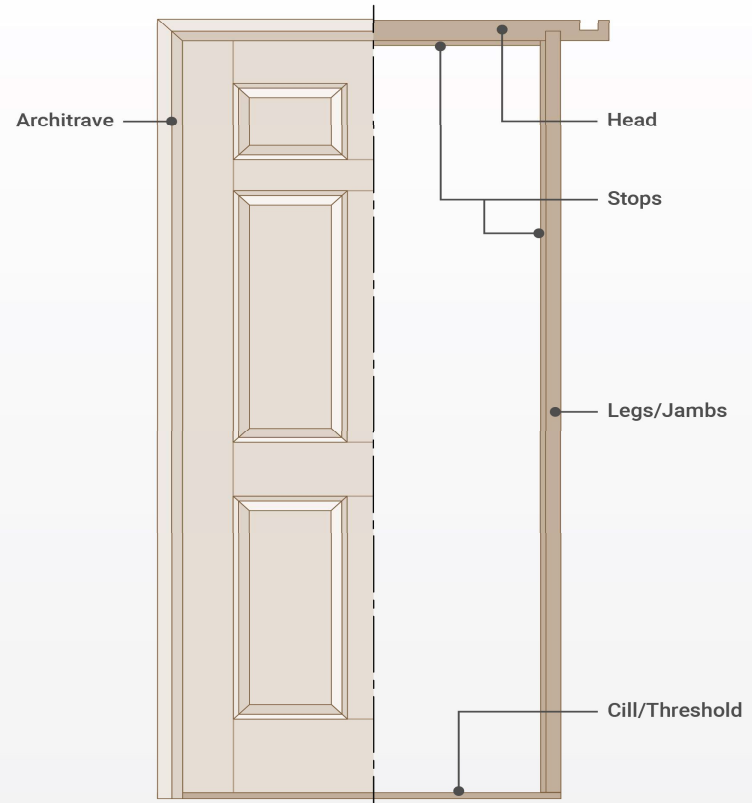
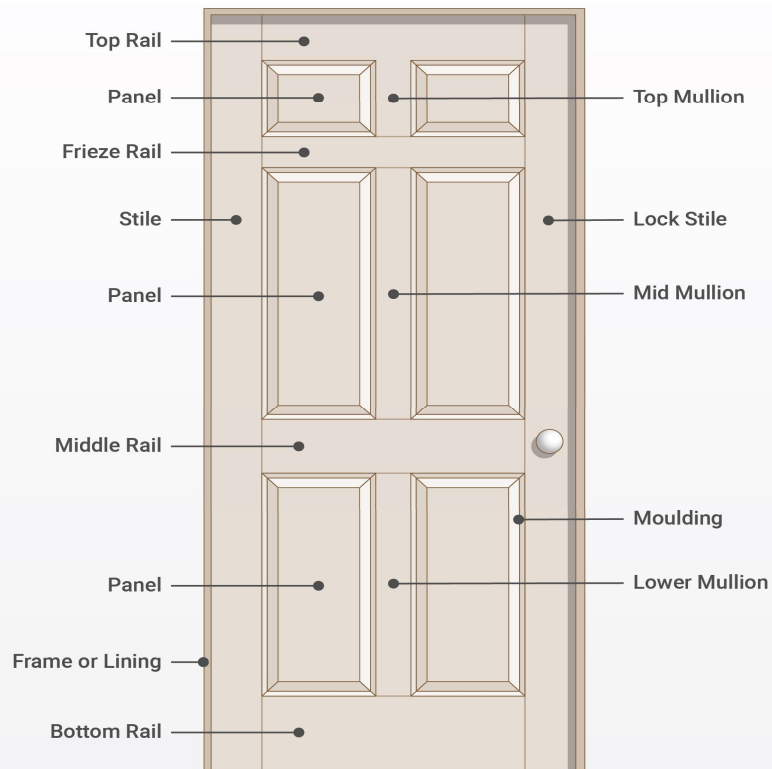




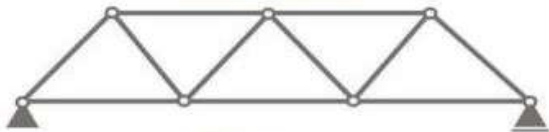


Traffic Signs					
 Stop	 Give way	 No parking	 No stopping or standing	 No entry	 One way
 One way	 No way both direction	 Right turn prohibited	 Left turn prohibited	 u turn prohibited	 Over taking prohibited
 Horn prohibited	 No entry for cars and motorcycles	 Trucks prohibited	 Bullock cart prohibited	 Pedestrians	 Speed limit
 Y - intersection left	 Y - intersection right	 Y - intersection	 Right hand curve	 Left hand curve	 Narrow bridge ahead
 Slippery road	 Pedestrian crossing	 Falling rocks	 School ahead	 Cross road	 Men at work
 Public telephone	 Petrol pump	 Hospital	 First aid post	 Resting place	 Parking both side

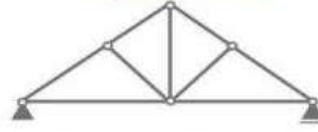
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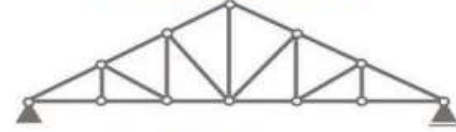
Warren truss



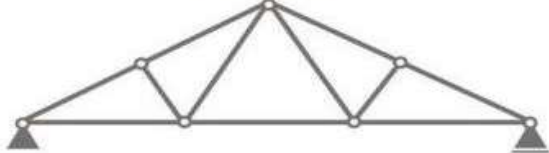
King post truss



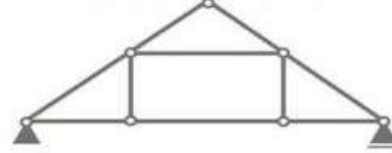
Double howe truss



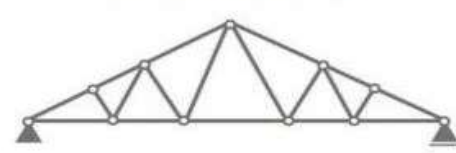
Fink truss



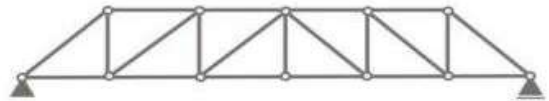
Queen post truss



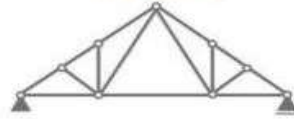
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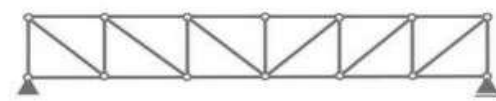
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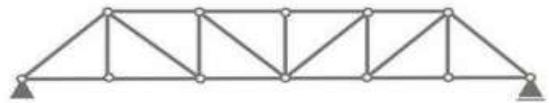
Fan truss



Flat truss



Pratt truss



Scissors truss

