
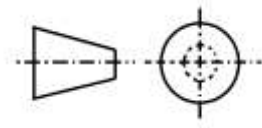
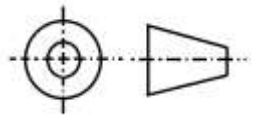
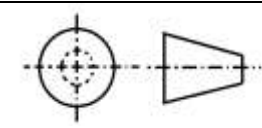
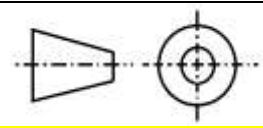



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Q-1	The development of surface of cylinder is			
	(A)	Rectangle	(B)	Circle
	(C)	Triangle	(D)	A segment of a circle
Q-2	In 1 st angle projection method, elevation should be drawn on			
	(A)	Left hand side of plan	(B)	Top of plan
	(C)	Bottom of plan	(D)	Right hand side of plan
Q-3	The line type  is known as			
	(A)	Break line	(B)	Centre line
	(C)	Hidden line	(D)	Cutting plane line
Q-4	The top view of a line perpendicular HP and parallel to VP is			
	(A)	Straight Line	(B)	Point
	(C)	Arc	(D)	Non of these
Q-5	The correct symbol of 3 rd angle is			
	(A)		(B)	
	(C)		(D)	
Q-6	The symbol ϕ indicates			
	(A)	Radius	(B)	Perimeter
	(C)	Diameter	(D)	Area
Q-7	The included angle of pentagon is			
	(A)	108 ⁰	(B)	90 ⁰
	(C)	120 ⁰	(D)	30 ⁰
Q-8	The locus of a point on the circumference of a circle rolling on a line is called			
	(A)	Cycloid	(B)	Epicycloid
	(C)	Hypocycloid	(D)	Circle
Q-9	Which of the following method is used to draw a parabola ?			
	(A)	Concentric circle method	(B)	Arc of circle method
	(C)	Tangent method	(D)	Oblong method

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Q-10	The line joining points on periphery of base of a cone and apex of it are called			
	(A)	Reference lines	(B)	Generators
	(C)	Connectors	(D)	Projectors
Q-11	A circular lamina in isometric projection appears as			
	(A)	Ellipse	(B)	Trapezium
	(C)	Parallelogram	(D)	Rhombus
Q-12	The line type  is known as			
	(A)	Break line	(B)	Centre line
	(C)	Hidden line	(D)	Cutting plane line
Q-13	5:1 represents			
	(A)	Full scale	(B)	Enlarged scale
	(C)	Reduced scale	(D)	None of these
Q-14	If an angle of 120° is required to draw using a scale 2:1, it will be drawn an angle of			
	(A)	160°	(B)	60°
	(C)	240°	(D)	120°
Q-15	The solid having a polygon for the base and rectangular lateral surfaces is called			
	(A)	Prism	(B)	Cone
	(C)	Tetrahedron	(D)	Pyramid
Q- 16	Which of the following is a valid browser?			
	(A)	Netscape	(B)	Internet explorer
	(C)	Opera	(D)	All of the above
Q- 17	What is the full form of html?			
	(A)	Hyper text main language	(B)	Hyper text markup language
	(C)	High text main language	(D)	High text markup language
Q- 18	_____ Is a web addressing scheme that spells out the exact location of an internet resource			
	(A)	UML	(B)	URL
	(C)	Email	(D)	None of the above
Q- 19	_____ Is a protocol used on the web to transfer hypertext documents.			
	(A)	HTTP	(B)	HTML
	(C)	URL	(D)	All of the above
Q- 20	From the following which is/are the valid search engines?			
	(A)	Google	(B)	Alta vista
	(C)	Both a & b	(D)	None of the above

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Q- 21	The computers are on the same site and linked by cables is called as _____.			
	(A)	LAN	(B)	WAN
	(C)	MAN	(D)	None of the above
Q- 22	E-mail id is divided in two part. Which symbol is used to seprate them?			
	(A)	=	(B)	#
	(C)	@	(D)	&
Q- 23	Which function key is used to refresh the web page?			
	(A)	F1	(B)	F2
	(C)	F5	(D)	F3
Q- 24	Full form of modem is _____			
	(A)	Modulator	(B)	Modulator - demodulator
	(C)	Mobile device	(D)	None of the above
Q- 25	Firewall is used to			
	(A)	Prevent computer from fire hazzards	(B)	Reduce heat generated by cpu
	(C)	Prevent data theft	(D)	None of above
Q- 26	FTP means...			
	(A)	File transfer program	(B)	File transfer priority
	(C)	First terminal program	(D)	File transfer protocol
Q- 27	The difference between memory and storage is that memory is _____ and storage is _____.			
	(A)	temporary, permanent	(B)	permanent, temporary
	(C)	Slow, Fast	(D)	None of the above
Q- 28	The quality of the printing depends on _____ capacity of the printer.			
	(A)	BPS	(B)	DPI
	(C)	DTP	(D)	RAM
Q- 29	What is the name of the device which provides electricity to the computer if suddenly the electricity goes off.			
	(A)	UPS	(B)	CPU
	(C)	MODEM	(D)	SMPS
Q- 30	Which of the following device can be used to input printed text			
	(A)	OCR	(B)	OMR
	(C)	MICR	(D)	All of the above

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Q- 31	A Laser Printers uses		
	(A)	Raster scan	(B) Camera lens
	(C)	Heat Sensitive paper	(D) None of these
Q- 32	Which of the following is known as e-mail client?		
	(A)	Outlook express	(B) Out express
	(C)	Outin express	(D) Outlook netscape
Q- 33	What is full form of DNS ?		
	(A)	Domain name system	(B) Domain name server
	(C)	Dynamic name system	(D) Dynamic name server
Q- 34	A bus is a group of _____ carrying digital signals.		
	(A)	wires	(B) gates
	(C)	transistors	(D) registers
Q- 35	URL is an abbreviation of		
	(A)	Uniform Resource Locator	(B) United Resource Locator
	(C)	Universal Resource Limited	(D) None of the above
Q- 36	In internal combustion (I.C.) engines, combustion of fuel takes place in		
	(A)	Outside the cylinder	(B) Inside the cylinder
	(C)	Not in the cylinder	(D) None of the above
Q- 37	In one ton refrigeration machine, the term "one ton" implies		
	(A)	One ton refrigerant is used	(B) One ton water can be converted into ice
	(C)	One ton ice when melts from and at 0°C in 24 hours, the refrigerating effects is equivalent to 3000 kcal/hour	(D) None of the above
Q- 38	Power available at the shaft of an I.C engine is known as		
	(A)	Brake horse power	(B) Indicated horse power
	(C)	Net indicated horse power	(D) Pumping power
Q- 39	Draft on pattern means		
	(A)	Allowance for machining	(B) Locating pad
	(C)	Compensate for stripping	(D) Compensation for shrinkage
Q- 40	Casting defects caused by the molten metal is		
	(A)	Blow holes	(B) Swell
	(C)	Scab	(D) All of the above

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Q- 41	Foundry crucible is made of			
	(A)	Stainless steel	(B)	Mild steel
	(C)	Lead	(D)	Graphite
Q- 42	A 1000 tonne press implies that			
	(A)	The weight of press is 1000 tonne	(B)	The press can handle works weighing up to 1000 tonne
	(C)	It can exert pressure up to 1000 tonne	(D)	Its turn over in a day is 1000 tonne
Q- 43	Wire is made by			
	(A)	Drawing	(B)	Forging
	(C)	Rolling	(D)	Casting
Q- 44	Which of the following welding process uses non consumable electrodes			
	(A)	TIG	(B)	MIG
	(C)	Thermit	(D)	Laser
Q- 45	The hardest known material is			
	(A)	Ceramic	(B)	High speed steel
	(C)	Cemented carbide	(D)	Diamond
Q- 46	In a diesel engine,the pipe carrying fuel from fuel pump to nozzle is made of?			
	(A)	PVC	(B)	Plastic
	(C)	Steel	(D)	Aluminium
Q- 47	Pitot tube is used for measurement of			
	(A)	Pressure	(B)	Temperature
	(C)	Discharge	(D)	Velocity
Q- 48	A closed cycle gas turbine works on			
	(A)	Carnot cycle	(B)	Joule cycle
	(C)	Rankine cycle	(D)	Atkinson cycle
Q- 49	Antifriction bearings are			
	(A)	Ball & roller bearing	(B)	Thick lubricated bearing
	(C)	Thin lubricated bearing	(D)	Plastic bearing
Q- 50	The main purpose of heat treatment of steels is to change the			
	(A)	Chemical composition	(B)	Mechanical properties
	(C)	Surface finish	(D)	Physical properties

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Q- 51	The material of pattern in the investment casting is			
	(A)	Resin	(B)	Sand
	(C)	Wax	(D)	Wood
Q- 52	Which part of the cutting tool is prone to crater wear			
	(A)	Flank	(B)	Face
	(C)	Shank	(D)	Base
Q- 53	Identify the single point cutting tool			
	(A)	Milling cutter	(B)	Hacksaw blade
	(C)	Grinding wheel	(D)	Cutting tool used in a slotting machine
Q- 54	Which is not the primary function of coolant in a metal cutting operation			
	(A)	To cool the tool and work piece and conduct the heat generated	(B)	To improve the cutting action
	(C)	To help in giving bright shining surface to the job	(D)	To reduce the friction at the cutting point
Q- 55	The property of a material which enable it to resist fracture due to high impact loads is known as			
	(A)	Elasticity	(B)	Endurance
	(C)	Strength	(D)	Toughness
Q- 56	The Form Factor in reference to alternating current wave form represents the ratio of			
	(A)	the Average value to the RMS value	(B)	the Peak value to the RMS value
	(C)	the RMS value to the Average value	(D)	the RMS value to the Peak value
Q- 57	The ratio of maximum demand of the installation to the sum of individual maximum demand is known as			
	(A)	Demand factor	(B)	Plant use factor
	(C)	Diversity factor	(D)	Plant capacity factor
Q- 58	The positive maximum of a sine wave occurs at			
	(A)	0°	(B)	45°
	(C)	90°	(D)	180°
Q- 59	During load shedding			
	(A)	System voltage is reduced	(B)	Some loads are switched off
	(C)	System frequency is reduced	(D)	System power factor is changed
Q- 60	Area under the speed –time curve represents			
	(A)	Average speed	(B)	Average acceleration
	(C)	Net acceleration	(D)	Distance travelled

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Q- 61	The power factor of incandescent bulb is			
	(A)	0.8 lagging	(B)	0.8 leading
	(C)	unity	(D)	zero
Q- 62	Which of the following is not resistance welding?			
	(A)	Projection welding	(B)	MIG welding
	(C)	Seam welding	(D)	Flash butt welding
Q- 63	MHO relay is used for			
	(A)	rectifiers	(B)	circuit breakers
	(C)	transmission lines	(D)	feeders
Q- 64	Isolators are used to disconnect a circuit when			
	(A)	Line is on full load	(B)	Line is energised
	(C)	There is no current in the line	(D)	Circuit breaker is not open
Q- 65	Lumen /watt is the unit of			
	(A)	Luminous efficiency	(B)	Light flux
	(C)	Luminous intensity	(D)	brightness
Q- 66	Which type of wattmeter can not be used for both AC and DC ?			
	(A)	Dynamometer type	(B)	Electrostatic type
	(C)	Induction type	(D)	None of the above
Q- 67	For arc heating , the electrodes are made of			
	(A)	Copper	(B)	Aluminium
	(C)	ACSR conductor	(D)	Graphite
Q- 68	A Variable capacitance is one whose capacitance			
	(A)	changes with time.	(B)	changes with temperature.
	(C)	changes with voltage.	(D)	can be changed manually or by mechanical means.
Q- 69	In the Fleming's left hand rule , thumb always represents			
	(A)	current	(B)	voltage
	(C)	magnetic field	(D)	direction of force on conductor
Q- 70	The most common type of fault is			
	(A)	Single phase to ground	(B)	Phase to phase
	(C)	Two phase to ground	(D)	Three phase to ground

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Q- 71	Weber is derived unit of			
	(A)	magnetic moment	(B)	luminous flux
	(C)	magnetic flux	(D)	none of these
Q- 72	Which of the following measurements is most precise?			
	(A)	5.00 mm	(B)	5.00 cm
	(C)	5.00 m	(D)	5.00 km
Q- 73	The centimeter scale on a vernier calliper is divided into eight equal parts. Ten vernier divisions are contained in one cm. calculate vernier constant			
	(A)	0. 1 cm	(B)	0.01 cm
	(C)	0.025 cm	(D)	0.001 cm
Q- 74	When a bus suddenly takes a turn, the passengers are thrown outwards because of			
	(A)	Inertia of direction	(B)	Acceleration of motion
	(C)	Speed of motion	(D)	Both (B) and (C)
Q- 75	A ball of mass m moves with speed v and it strikes normally with a wall and reflected back normally, if its time of contact with wall is t then find force exerted by ball on wall			
	(A)	$2mv / t$	(B)	mv / t
	(C)	mvt	(D)	$mv / 2t$
Q- 76	Hook's law defines			
	(A)	Stress	(B)	Strain
	(C)	Modulus of elasticity	(D)	Elastic limit
Q- 77	Water rises in plant fibers due to			
	(A)	Capillarity	(B)	Viscosity
	(C)	Fluid pressure	(D)	Osmosis
Q- 78	The coefficient of thermal conductivity depends upon			
	(A)	Temperature difference of two surfaces	(B)	Area of the plate
	(C)	Thickness of the plate	(D)	Material of the plate
Q- 79	Woolen clothes are used in winter season because woolen clothes			
	(A)	Are good sources for producing heat	(B)	Absorb heat from surroundings
	(C)	Are bad conductors of heat	(D)	Provide heat to body continuously
Q- 80	Water is used to cool the radiators of engines in cars because			
	(A)	Of its low boiling point	(B)	Of its high specific heat
	(C)	Of its low density	(D)	Of its easy availability

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Q- 81	Velocity of sound is maximum in			
	(A)	Air	(B)	Water
	(C)	Vacuum	(D)	Steel
Q- 82	The magnetism of magnet is due to			
	(A)	The spin motion of electron	(B)	Earth
	(C)	Pressure of big magnet inside the earth	(D)	Cosmic rays
Q- 83	Tangent galvanometer is used to measure			
	(A)	Steady currents	(B)	Current impulses
	(C)	Magnetic moments of bar magnets	(D)	Earth's magnetic field
Q- 84	Electron volt is a unit of			
	(A)	Potential	(B)	Charge
	(C)	Power	(D)	Energy
Q- 85	When the length of a microscope tube increase, its magnifying power			
	(A)	Decreases	(B)	Increases
	(C)	Does not change	(D)	May decrease or increase
Q-86	Pitch of Roof truss is			
	(A)	span/Rise	(B)	Rise/span
	(C)	Rise /Half span	(D)	Half span/Rise
Q-87	If the slump of concrete mix is 60 mm, its workability is			
	(A)	Very low	(B)	Low
	(C)	Medium	(D)	High
Q-88	Impact Test on Aggregate is carried out for measurement of its			
	(A)	Toughness	(B)	Hardness
	(C)	strength	(D)	resistance to wear
Q-89	An aggregate is said to be flaky, if its least dimension is less than			
	(A)	$1/5^{\text{th}}$ of mean dimension	(B)	$4/5^{\text{th}}$ of mean dimension
	(C)	$2/5^{\text{th}}$ of mean dimension	(D)	$3/5^{\text{th}}$ of mean dimension
Q-90	Le-Chatelier's apparatus used for testing			
	(A)	Hardness of cement	(B)	Strength of cement
	(C)	Soundness of cement	(D)	Durability of cement

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Q-91	The ratio of volume of voids to total volume of given soil mass is known as			
	(A)	porosity	(B)	void ratio
	(C)	specific gravity	(D)	water content
Q-92	The minimum water content at which the soil mass just begins to crumble when it rolled into thread 3 mm in diameter is known as			
	(A)	liquid limit	(B)	shrinkage limit
	(C)	permeability limit	(D)	plastic limit
Q-93	The soil which contains finest grain particles ,is			
	(A)	coarse sand	(B)	clay
	(C)	silt	(D)	fine sand
Q-94	Bulking of sand is			
	(A)	swelling of sand when wetted	(B)	Mixing of sand with Lime
	(C)	Mixing of sand with water	(D)	Mixing of different size of sand particles
Q-95	Every material obeys the Hooke's law within its			
	(A)	Elastic limit	(B)	Plastic limit
	(C)	Limit of proportionality	(D)	None of the above
Q-96	Prismatic Compass is used for measurement of			
	(A)	Vertical Angle	(B)	Length
	(C)	Bearing	(D)	None of the above
Q-97	The temporary hardness of water can be removed by			
	(A)	boiling	(B)	Adding lime
	(C)	Adding alum	(D)	Filtration
Q-98	Vicat apparatus is used for			
	(A)	Fineness test	(B)	Consistency test
	(C)	Test for setting time	(D)	Test for tensile strength
Q-99	The mortar in which both cement and lime are used as binding materials is called			
	(A)	Cement mortar	(B)	Lime mortar
	(C)	Fire resistant mortar	(D)	Gauged mortar
Q-100	Concrete is measured in			
	(A)	Cu.m.	(B)	Sq. m.
	(C)	Running meter	(D)	Liters