

13872

Item Bank Name

MSU Baroda//.../Journalism

Item Text	Option Text 1	Option Text 2	Option Text 3	Option Text 4
Recommend value of $\phi$ for heavy duty machine tools and automats--	1.12	1.26	1.56	1.14
Number of spindle speed steps in machine tool gear box indicated by letter--	Z	$\phi$	Rn	None from given options
The normally selected value/ s of Z is /are --	4	6	8	All given options
Which of the following is not true about gears?	Positive drive	Constant velocity ratio	Transmit large power	Bulky construction
The basic series of preferred numbers are	R5, R10, R20, R40 and R80	R10, R20, R30, R40 and R50	R5, R10, R15, R20 and R25	None from given options
Series factor for R20 series is,	1.16	4.47	1.12	2.71
For construction of kinematic diagram of multispeed gear box, which of following equation is correct.	$Z_{\min} > 18$	$Z_{1i} + Z_{1o} = Z_{2i} + Z_{2o} = Z_{3i} + Z_{3o} = C$	$Z_{2i} + Z_{1i} > 4$	All given equations
Permissible speed deviation is ..	$\pm 10 (\phi - 1)$	$\pm 10 (\phi + 1)$	$\pm 10 (\phi \times 1)$	$\pm 10 (\phi / 1)$
What is frequency polygon	line graph of class frequency plotted against class marks	Bar chart	Histogram	Set of rectangles
What is a standard deviation	Root mean square deviation from the mode	Variance	Root mean square deviation from the median	Root mean square deviation from the mean
Process of converting the bulk load into a unit load using container is	Materialization	containerization	Transportation	All given options

A triple ply belt conveyor is required to transport 2 ton of iron ore per hour at a conveyor speed of 90 m/min through a distance of 1000m and a height of 300 m. what is the maximum suitable inclination for the conveyor.	15	16.7	17.4	18.2
Which of the following is a property of unit load?	weight	Cake forming tendency	Lump size	density
The point where material is loaded on the belt conveyor is known as	Head end	Tail end	Feed point	Discharge point
Which of the following is the least preferred conveyor for handling glue?	Belt conveyor	Continuous flow conveyor	Pneumatic conveyor	Screw conveyor
Chains for material handling equipment are generally made of	cast iron	wrought iron	mild steel	carbon steel
In material handling equipment through belt conveyors is classified as	Conveying Equipment	Surface and overhead Equipment	Hoisting Equipment	Elevators.
Volumetric capacity of horizontal belt conveyor is given as	$Q = Mb^2v \text{ m}^3/\text{s}$	$Q = kb^2v \text{ m}^3/\text{s}$	$Q = Cb^2v \text{ m}^3/\text{s}$	$M = \rho Q$
The angle of surcharge (f) will always be - ----- than the angle of repose(Y)	Greater	Less	Equal	None from given options
Circumferential (hoop) stress in a thin cylindrical vessel under internal pressure is _____ the longitudinal stress.	Half	Equal to	Twice	Eight times