

(WORKSHOP CALCULATION & SCIENCE)
SEMESTER – III

TIME : 3 HR

MARKS: 75

Notes:- Attempt all the questions.

All questions carry equal marks.

This paper carries negative marking. 25% marks will be deducted for each wrong answer.

Choose the correct answer.

- 1 Marks : 3
What is the volume of a cylinder expressed in radius and height.
- A. $\pi d^2 h$
B. $\pi r^2 h$
C. $2\pi r^2 h$
D. πdh

- 2 Marks : 3
Write the formula for the volume of a cone.
- A. $\frac{2}{3}\pi r^2 h$
B. $\pi r^2 h$
C. $\frac{1}{3}\pi r^2 h$
D. $2\pi r^2 h$

- 3 Marks : 3
The area of a brass rod is 0.1045m^2 and its volume is 1.017 meter^3 . Find its length?
- A. 1.16m
B. 0.16m
C. 1.06m
D. 1.60m

- 4 Marks : 3
What is the ratio of $\cos \theta$?
- A. $\frac{1}{\sin \theta}$
B. $\frac{1}{\tan \theta}$
C. $\frac{1}{\cos \theta}$
D. $\frac{1}{\cot \theta}$

- 5 Marks : 3
What is the value of $\sin 30^\circ$?
- A. $\sqrt{3}$
B. $\frac{1}{2}$
C. $\frac{\sqrt{3}}{2}$
D. $\frac{\sqrt{3}}{2}$

- 1 Marks : 3
बिंदुओं और कील में बेलन की लंबाई और क्षेत्रफल क्या है?
- A. $\pi d^2 h$
B. $\pi r^2 h$
C. $2\pi r^2 h$
D. πdh

- 2 Marks : 3
शंकु की आयतन का सूत्र क्या है?
- A. $\frac{2}{3}\pi r^2 h$
B. $\pi r^2 h$
C. $\frac{1}{3}\pi r^2 h$
D. $2\pi r^2 h$

- 3 Marks : 3
दीर्घा के रॉड का क्षेत्रफल 0.1045m^2 है और इसका आयतन 1.017 meter^3 है। लंबाई क्या है?
- A. 1.16m
B. 0.16m
C. 1.06m
D. 1.60m

- 4 Marks : 3
 $\cos \theta$ का व्युत्क्रम क्या है?
- A. $\frac{1}{\sin \theta}$
B. $\frac{1}{\tan \theta}$
C. $\frac{1}{\cos \theta}$
D. $\frac{1}{\cot \theta}$

- 5 Marks : 3
 $\sin 30^\circ$ का मान क्या है?
- A. $\sqrt{3}$
B. $\frac{1}{2}$
C. $\frac{\sqrt{3}}{2}$
D. $\frac{\sqrt{3}}{2}$

Iti Workshop Calculation Question Paper

DJ Losen



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