

TEMPLATE FOR ASSESSMENTS

1. Read Guidelines – in case of any doubt check with your mentor.
2. The final submission will have to be in soft copy in MS word as per template shared below.
3. Use Calibri font size 9
4. Keep Questions short and crisp. Word count should not exceed 20 words for questions and 8 words for options.
5. In the last row – mention the correct option as a) or b)
6. The Blooms level has been fixed – so please design question accordingly.
7. The rows heights have been fixed, so that the table size is not changed. If you have any problem, use this link to learn how to fix it [YouTube](#)




Insert the exact details within the < >




<22103>: <BMS> : <Basic Mathematics>: <Topic Name: Mensuration>: <CO4_uo_4.3>:

<Assessments>: <Formative>

<Mrs. Sujata Patil>

Assessment Type: Formative Assessments: Embedded questions in video

Set 1: Question No 1	Set 1: Question No 2	Set 1: Question No 3
Surface Area of cuboid is	Find the curved surface area of a right circular cone whose slant height is 10 cm and base radius is 7 cm.	The volume of a cylinder is 38016 cm^3 and height is 21 cm. Find the curved surface area.
Recall/ Remembering	Understanding	Application
a) $4(lb + bh + hl)$	a) 220 m^2	a) 3200 cm^2
b) $2(lb + bh + hl)$	b) 220 cm^2	b) 3190 cm^2
c) $(lb + bh + hl)$	c) 240 cm^2	c) 3150 cm^2
d) none of the above	d) 240 m^2	d) 3168 cm^2
Ans: 	Ans: 	Ans: <d> 

Set 2: Question No 1	Set 2: Question No 2	Set 2: Question No 3
Find the total surface area of cube with side 2 metre.	Find the surface area of cuboid if the length, breadth and height are 4 cm, 3 cm and 12 cm respectively.	A metal plate 25 cm long, 9cm broad and 1 cm thick is melted and recast into a cube. Find the difference in the total surface areas of the plate and the cube.
Recall/ Remembering	Understanding	Application
a) 24 m^2	a) 192 cm^2	a) 290 cm^2
b) 22 m^2	b) 182 cm^2	b) 286 cm^2
c) 26 m^2	c) 172 cm^2	c) 296.2 cm^2
d) 20 m^2	d) 162 cm^2	d) 29.62 cm^2
Ans: <a> 	Ans: <a> 	Ans: <c> 

Assessment Type: Summative: End of CO: in LMS

Summative: Q 1	Summative: Q 2	Summative: Q 3	Summative: Q 4	Summative: Q 5
The volume of cube is 1000 cm^3 . Find its total surface area.	Find curved surface of a cylinder whose height is 12 cm and the radius of base is 5 cm.	The diameter of a road roller of length 120 cm is 84 cm. To level a playground it takes 500 complete revolutions. Find the cost of levelling a playground at the cost of Rs.2 per square metre.	If the total surface area of a solid right circular cylinder is 880 sq.cm and its radius is 10 cm, find its curved surface area.	What is the approximate area of the canvas required to make a conical tent of radius 30 feet and height 18 feet?
Recall/ Remembering	Understanding	Application	Understanding	Application
a) 610 cm^2	a) $140\pi \text{ cm}^2$	a) Rs.3188	a) 251.43 cm^2	a) 3700 sq.ft.
b) 600 cm^2	b) $110\pi \text{ cm}^2$	b) Rs. 3178	b) 240 cm^2	b) 3500 sq.ft
c) 620 cm^2	c) $130\pi \text{ cm}^2$	c) Rs.3168	c) 266.5 cm^2	c) 3400 sq.ft
d) 630 cm^2	d) $120\pi \text{ cm}^2$	d) Rs.3158	d) 245.7 cm^2	d) 3300 sq.ft
Ans: 	Ans: <d>	Ans: <c>	Ans: <a>	Ans: <d>

Assessment Type: Practice Worksheets: End of CO: in LMS/ downloadable PDF

If students have access to laptop/ desktop – they can answer it on LMS, else download it and answer it and file it for later use. They can also copy the question in their notebook in case the space provided is insufficient.

1. Best suited for subjective questions.
2. Numerical problems
3. Short answer questions

<p>A. Question Space</p> <p>The radius and the height of a cylinder are 7 cm and 24 cm respectively. Find the area of base and area of the curved surface.</p> <p>Ans: 154 cm^2; 1056 cm^2</p>	<p>B. Question Space</p> <p>Find the total surface area of cube with side 2 metre.</p> <p>Ans: 24 m^2</p>
<p>A. Answer Space</p>	<p>B. Answer Space</p>

C. Question Space

The volume of a cylinder is $504\pi \text{ cm}^3$ and height is 14 cm.

Find the curved surface area and total surface area.

D. Question Space

The length, breadth and height of a cuboid are 10 cm, 6 cm and 13 cm respectively. Find the total surface area.

Ans: 536 cm^2

C. Answer Space**D. Answer Space****E. Question Space**

Find the total cost of whitewashing the four walls of a cuboidal room at the rate of rs.15 per m^2 . The internal measures of a cuboidal room are length 10 m, breadth 4m and height 4m.

Ans: Rs. 1680 .

F. Question Space

The volume of a cylinder is 38016 cm^3 and height is 21 cm. Find the curved surface area.

Ans: 3168 cm^2

E. Answer Space

F. Answer Space

G. Question Space

Find the total surface area of a cone of radius 10 cm & slant height 11 cm.

Ans: 660 cm^2

H. Question Space

The radius of sphere is 14 cm. find the surface area of the sphere.

Ans: 2464 cm^2

G. Answer Space

H. Answer Space