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>: <Mensuration>: <co 4_uo 4.4>: <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
Find the volume of cuboid if the length, breadth and height are 8 cm, 17 cm and 25 cm respectively.	Find the volume of cuboidal stone slab of length 3m, breadth 2m and thickness 25 cm.	Find the height of the room whose length is 11 m and breadth is 9m and which is full of 792 m^3 of air.
Recall/ Remembering	Understanding	Application
a) 3300 cm^3	a) 1.5 m^3	a) 8.9 m
b) 3400 cm^3	b) 2.5 m^3	b) 8 . 5m
c)3600 cm^3	c) 1.9 m^3	c) 7 m
d)3500 cm^3	d) 1.0 m^3	d) 8 m
Ans: <b>	Ans: <a>	Ans: <d>

Set 2: Question No 1	Set 2: Question No 2	Set 2: Question No 3
A sphere has volume 2800 cm^3 . Find the radius of the sphere.	The volume of a cylinder is 38016 cm^3 and height is 21 cm. Find the curved surface area.	There is a cubical room whose length measures 6 metres. How many students can accommodate if each student requires 2.7 $m^3$of space?
Recall/ Remembering	Understanding	Application
a) 7.5 cm	a) 3168 cm^2	a) 90
b)8.7 cm	b) 3160 cm^2	b) 80
c)9.2 cm	c) 3170 cm^2	c) 95
d)8.0 cm	d) 3100 cm^2	d) 75
Ans: <b>	Ans: <a>	Ans: <b>

Assessment Type: Summative: End of CO: in LMS

Summative: Q 1	Summative: Q 2	Summative: Q 3	Summative: Q 4	Summative: Q 5
The base area of a cylinder is $154\ \text{cm}^2$ and height is 12 cm. Find the volume of the cylinder.	There cubes of sides 3 cm, 4 cm and 5 cm respectively are merged together to form a single large cube. What is the side of the cube so formed?	A metal sphere of diameter 16cm is melted and small spheres of radius 2cm each are cast from the molten metal. How many such spheres will be formed?	The volume of cuboid is 1836 m^3. The length and breadth of cuboid are 17 m & 9 m respectively. Find the height of the cuboid.	The outer dimensions of a closed wooden box are $40\ \text{cm} \times 31\ \text{cm} \times 29\ \text{cm}$. If the box is made of wood of 1 cm thickness. Determine the capacity of box.
Recall/ Remembering	Understanding	Application	Understanding	Application
a) $1848\ \text{cm}^3$	a) 7 cm	a)56	a) 14 m	a) $29754\ \text{cm}^3$
b) $1948\ \text{cm}^3$	b) 4 cm	b)75	b) 12 m	b) $29754\ \text{m}^3$
c) $1840\ \text{cm}^3$	c) 8 cm	c)64	c) 10 m	c) $2975.4\ \text{cm}^3$
d) $1888\ \text{cm}^3$	d) 6 cm	d)80	d) 16 m	d) $29750\ \text{cm}^3$
Ans: <a>	Ans: <d>	Ans: <c>	Ans: <b>	Ans: <a>

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

A. Question Space	**B. Question Space**
Find the surface area, volume and diagonal of cuboid if the length, breadth and height are 4 cm, 3 cm and 12 cm respectively. **Ans: 192 $\mathbf{cm^2}$; 144 $\mathbf{cm^3}$; 13 cm.**	A rectangular piece of paper is 22 cm long and 12 cm wide. A cylinder is formed by rolling the paper along its length. Find the volume of the cylinder. Ans: $462\ \mathrm{cm}^3$
A. Answer Space	**B. Answer Space**

C. Question Space The radius of cone is 7 cm and slant height is 25 cm. Find volume of the cone. Ans: 1232 cm^3	**D. Question Space** A rectangular tank measuring internally 28 metres in length 20 metres in breadth and 10 metres in depth is full of water. Find the weight of water in metric tons, given that one cubic metre of water weighs 1000 kg. **Ans: 5600 metric tons**
C. Answer Space	**D. Answer Space**
E. Question Space Find the volume of cuboidal stone slab of length 3m, breadth 2m and thickness 25 cm. Ans: 1.5 m^3	**F. Question Space** An Auditorium is in cubical form having sides 10 metres. How many students can accommodate if each student requires 2.5 $m^3$of space? Ans: 400

E. Answer Space	F. Answer Space
G. 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: 1680 Rs.	**H. Question Space** The volume of container is 34.5 m^3. The length and breadth of container are 5 m & 2.3 m respectively. Find the height of the container. Ans: 3 m

G. Answer Space	H. Answer Space