TEMPLATE FOR ASSESSMENTS

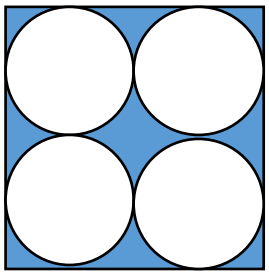
1. **Read Guidelines – in case of any doubt check with your mentor.**
2. **The final submission will have to be in soft copy in MS word as per template shared below.**
3. **Use Calibri font size 9**
4. **Keep Questions short and crisp. Word count should not exceed 20 words for questions and 8 words for 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>: <co4_uo4.1>: <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 circumference of the circle whose radius is 7.7 cm.	The area of an equilateral triangle is $81\sqrt{3}\ cm^2$. Find its height.	Given below is a combination figure of square ABCD of side 26cm and four circles. Find the area of the shaded region. 
Recall/ Remembering	Understanding	Application
a) 40 cm	a)21 cm	a) 145.07 cm^2
a) $48.4\ cm$	b) 16 cm	b) 140.5 cm^2
b) 10.00 cm	c) $18\ cm$	c) 530.9 cm^2
c) 38 cm	d) none of the above	d) 534.9 cm^2
Ans: <b>	Ans: <c>	Ans: <a>

Set 2: Question No 1	Set 2: Question No 2	Set 2: Question No 3
Find the area of an equilateral triangle if the side is 17cm.	Find the area between two concentric circles whose radii are 4m and 2m.	A park is in the form of a right angled triangle with hypotenuse 50cm. If one of the side is 40 cm, find the cost of levelling at the rate of Rs 3 per sq.cm.
Recall/ Remembering	Understanding	Application
a) 110.14 cm^2	a) 23.1 m^2	a) 1800 Rs.
b) 130.14 cm^2	b) 37.7 m^2	b) 1600 Rs.
c) 115.14 cm^2	c) 30 m^2	c) 1850 Rs.
d) 125.14 cm^2	d) 30 m^2	d) 1900 Rs.
Ans: <d>	Ans: <b>	Ans: <a>

Assessment Type: Summative: End of CO: in LMS

Summative: Q 1	Summative: Q 2	Summative: Q 3	Summative: Q 4	Summative: Q 5
What is the radius of a circle if its area is 120 cm^2	The area of the right angled triangle is 600sq.cm and one of the side containing right angle is 30cm. Find the hypotenuse.	Four equal circles of radius 3.5cm are cut-out form a metal plate 14cm X 14 cm. Find the area of the remaining portion of the plate.	Find the area of a triangle if $b = 11\ cm, c = 14\ cm$ and $\angle A = 60^0$	Find the area of a triangular plot whose base is 120cm & height 60 cm
Recall/ Remembering	Understanding	Application	Understanding	Application
a) 5cm	a) 50cm	a) 40 sq.cm	a) 60 cm^2	a) 36.00 cm^2
b) 5.5cm	b) 40cm	b) 42 sq.cm	b) 56.68 cm^2	b) 3600 cm^2
c) 6.5cm	c)39cm	c) 52 sq.cm	c) 66.68 cm^2	c) 360.0 cm^2
d) 6.18cm	d) 45cm	d) 4.2 sq.cm	d) 70 cm^2	d) 3.600 cm^2
Ans: <d>	Ans: <a>	Ans: <b>	Ans: <c>	Ans: <b>

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 Find the area of a triangle whose sides are 14 cm, 15 cm and 17 cm. **Ans: 99.65 cm^2**	**B. Question Space** A park is in the form of a right angled triangle with hypotenuse 13cm. If one of the side is 12 cm, find the cost of levelling at the rate of `10 per sq.cm. Ans: Rs. 300
A. Answer Space	**B. Answer Space**

C. Question Space The base of a right angled triangle is 5m & hypotenuse is 13 m. Find its area. **Ans: 30 m^2**	**D. Question Space** Radius of the outer circle is 18 cm and the radius of the inner circle is 7 cm. What is the area of the region between the outer and the inner circles? **Ans:** 275 π cm2
C. Answer Space	**D. Answer Space**
E. Question Space If an equilateral triangle is drawn inside a circle such that the circle is the circumcircle of the triangle, find the relation between the length of the triangle and the radius of the circle. Ans: $\sqrt{3}$ r	**F. Question Space** The area between the circumferences of two concentric Circles is 346.5 cm2. The circumference of the inner circle is 88 cm. Calculate the radius of the outer circle. Ans: 17.5 cm

E. Answer Space	**F. Answer Space**
G. Question Space Find the area of a triangular plot whose base is 10.2cm & height 3.5 cm **Ans: 17.85 cm^2**	**H. Question Space** In the right angle triangle the length of one side is 4.5cm and length of hypotenuse is 20.5 cm. Find the area of the right angled triangle. Ans: 45 cm^2

G. Answer Space	H. Answer Space