Result & Analysis

Student: AMBER JAIN Test: Level 2_Circle and Coord... Course: Self-Learning Gamifie...

Attempt 1

IP Address: 2405:201:25:d078:8cd2:986a:7d46:ddfb **Tab switches:** 1 **OS used:** Windows

Browser used: Chrome

Test Duration: 00:02:12 **Test Start Time:** Apr 17, 2022 | 11:48 PM

Test Submit Time: Apr 17, 2022 | 11:51 PM

Overall score

5 / 30

Rank: NA

Topper score: 30.00 / 30

Average score: 16.25 / 30

Least score: 0.00 / 30

Section 1

5 / 30

Rank: NA

Topper score: 30.00 / 30

Average score: 16.85 / 30

Least score: 0.00 / 30

Overall Question Status

30 / 30

Total Questions: 30

Questions Attempted: 30

Questions Correct: 5

Question Wrong: 25

Partially Correct: 0

Question Not Viewed: 0

Section 1 - Question Status

30 / 30

Total Questions: 30

Questions Attempted: 30

Questions Correct: 5

Question Wrong: 25

Partially Correct: 0

Question Not Viewed: 0

Topic wise Analysis Section 1

Question No: 1 **Multi Choice Type Question** Report Error

The exterior angle, of a regular polygon is one-third of its interior angle. How many sides does the polygon have?

8 CORRECT

6

9

7

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium

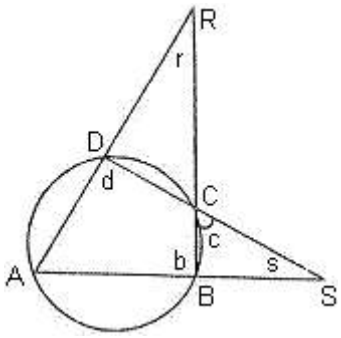
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability

Subject: Geometry

Show solution

Question No: 2 **Multi Choice Type Question** **Report Error**

In the figure given below, two chords AB and CD of a circle intersect externally at point P. If AB = 12 cm, AP = 20 cm and CP = 16cm, then CD is



10 cm CORRECT

12 cm

6 cm

22 cm

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium

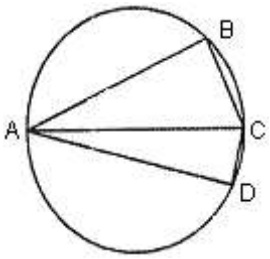
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability

Subject: Geometry

Show solution

Question No: 3 **Multi Choice Type Question** **Report Error**

In the figure given below, in circle BC, AB and ADC are tangent, diameter and secant line segment respectively CBD = 20°. The
measure of<ADE is



50º

20º CORRECT

40º

30º

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium

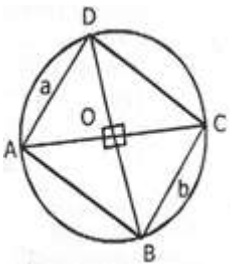
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability

Subject: Geometry

Show solution

Question No: 4 **Multi Choice Type Question** **Report Error**

If in the adjacent figure, AC and BD intersect at a right angle at O, then the sum of areas of triangle AOB and COD is



- a^2b
- a^2b^2
- 0.5 ab CORRECT
- ab

Status: Correct **Mark obtained:** 1/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

☐ Show solution

Question No: 5 **Multi Choice Type Question** **Report Error**

The coordinates of the centroid of a triangle with vertices at (3, 7), (5, 5) and (−3, 2) is

- (11/3, 10/3)
- (5/3, 14/3) CORRECT
- (10/3, 10/3)

(10/3, 14/3)

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

Show solution

Question No: 6 **Multi Choice Type Question** **Report Error**

In the adjoining figure ABCD is a cyclic quadrilateral. If AB is a diameter, BC = CD and <ABD = 40°, find the measure of Image not presentDBC.

45

65

60

25 CORRECT

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

Show solution

Question No: 7 **Multi Choice Type Question** **Report Error**

The area of quadrilateral with vertices (2, 4), (0, 4), (0, −4), (2, −4) is equal to (sq. units)

12

16 CORRECT

8

32

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

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Question No: 8 **Multi Choice Type Question** **Report Error**

Two circles with center A and B intersect at P and Q. Then which of the following is false?

PQ is the perpendicular bisector of AB CORRECT

AB is the perpendicular bisector of PQ

<PBA = <QBA

<APQ = <AQP

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

Show solution

Question No: 9 **Multi Choice Type Question** **Report Error**

The coordinates of a point which divides the join of (5, –5) and (2, –3) in the ratio 4 : 3, externally, are

(8, 3)

(−7, 9)

(−7, 3) CORRECT

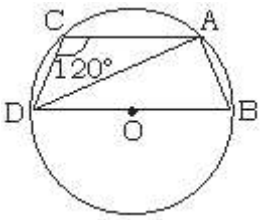
(3, 4)

Status: Correct **Mark obtained:** 1/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

Show solution

Question No: 10 **Multi Choice Type Question** **Report Error**

In the given figure, if ∠ACD = 120°, find ∠ADB.



50°

35°

40°

30° CORRECT

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability

Subject: Geometry

Show solution

Question No: 11 **Multi Choice Type Question** **Report Error**

A regular polygon of 8 sides is inscribed in a circle. Find the value of an internal angle of this polygon.

35°

72°

135° CORRECT

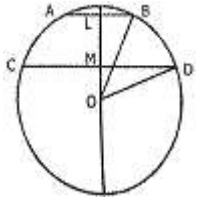
60°

Status: Correct **Mark obtained:** 1/1 **Hints used:** 0 **Level:** Easy
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

Show solution

Question No: 12 **Multi Choice Type Question** **Report Error**

Two chords AB, CD of lengths 6 cm, 12 cm respectively of a circle are parallel. If the distance between AB and CD is 3 cm, find the radius of the circle.



$3\sqrt{5}$ CORRECT

1

2

5

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

Show solution

Question No: 13 **Multi Choice Type Question** **Report Error**

Find the ratio in which the line segment joining the points P(−2, 3) and Q (3, 5) is divided by the Y-axis. Find also the Y-coordinate of the point of division.

3 : 2, 3(4/5)

2 : 3, 4(3/5)

3 : 2, 3(1/5)

2 : 3, 3(4/5) CORRECT

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

Show solution

Question No: 14 **Multi Choice Type Question** **Report Error**

ABCD is a cyclic quadrilateral whose diagonals P. If <DBC = 70° and <BAC = 30°, find <BCD.

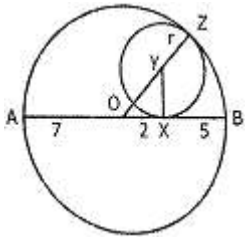
- 80 CORRECT
- 70
- 100
- 120

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

Show solution

Question No: 15 **Multi Choice Type Question** **Report Error**

In the adjoining figure, X is a point on diameter AB of circle with centre O, such that AX = 9 cm, XB = 5 cm. To find the radius of the circle, centre Y, which touches the diameter at X and touches the circle, centre O, internally at Z.circle, centre



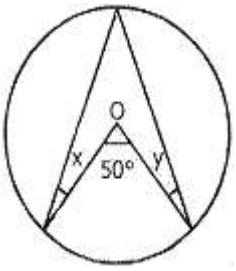
- 3(3/14) CORRECT
- 2(1/14)
- 3(1/14)
- 2(3/14)

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

Show solution

Question No: 16 **Multi Choice Type Question** **Report Error**

In the figure, O is the centre of the circle. The value of x + y is



40°

25° CORRECT

35°

30°

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

Show solution

Question No: 17 **Multi Choice Type Question** **Report Error**

If the points A(−1, 1), B(5/2, 3/2), C(2, 5) are the three vertices of a parallelogram, then find the

fourth one.

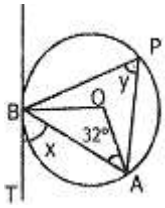
- (3, 2)
- (−1.5, 4.5) CORRECT
- (1.5, 3)
- (2, 3)

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

Show solution

Question No: 18 **Multi Choice Type Question** **Report Error**

In the given figure, AB is chord of the circle with centre O, BT is tangent to the circle. The values of x and y are



- 52°, 52°
- 60°, 64°
- 58°, 58° CORRECT
- 58°, 52^2

Status: Correct **Mark obtained:** 1/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

Show solution

Question No: 19 **Multi Choice Type Question** **Report Error**

The point (k, 2 – 2k), (–k + 1, 2k) and (–4 – k, 6 – 2k) are collinear for

- k = ½ CORRECT
- any value of k
- no value of k
- k = 1

Status: Wrong **Mark obtained:** 0/1 **Hints used:** 0 **Level:** Medium
Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability
Subject: Geometry

Show solution

Question No: 20 **Multi Choice Type Question** **Report Error**

The mid-points of sides of a triangle are (2, 1), (–1, –3) and (4, 5). Then the coordinates of its vertices are

- (1, 1), (2, 3), (–5, 8)
- None of these
- (7, 9), (–3, –7), (1, 1) CORRECT

(−3, −7), (1, 1), (2, 3)

Status: Correct **Mark obtained:** 1/1 **Hints used:** 0 **Level:** Medium

Question type: MCQ Single Correct **Subject:** Aptitude **Subject:** Quantitative Ability

Subject: Geometry

Show solution

First 1 2 Last