

UOJMC Sample Test Answers — Year 11

Question 1

- (a) 35 mm
- (b) 5 mm
- (c) 42 mm

Question 2

- (a) \$939
- (b) \$56
- (c) $\frac{23}{59}$

Question 3

- (a) 10.5 W
- (b) 14 V
- (c) 0.15 hours
- (d) 4 batteries

Question 4

- (a) 2033
- (b) 2106
- (c) 2046

Question 5

- (a) 36
- (b) 13
- (c) 120
- (d) 9
- (e) 204
- (f) 11

Question 6

- (a) 5 and 7
- (b) 2 and 5
- (c) 7 and 13

Question 7

- (a) (1, 2)
- (b) (-4, 1)
- (c) (3, -4)

Question 8

- (a) a
- (b) c
- (c) 7.07

Question 9

- (a) 60°
- (b) $\sqrt{3}$
- (c) $\frac{\sqrt{3}}{2}$

Question 10

- (a) 8 cubes
- (b) 24 cubes
- (c) 8 cubes

Question 11

- (a) 11
- (b) $\frac{4}{11}$
- (c) $\frac{2}{11}$
- (d) $\frac{6}{11}$

Question 12

- (a) 4 cm^2
- (b) 9 cm^2
- (c) 35 cm^2

Question 13

- (a) 7 cm
- (b) 11.5 cm
- (c) 7.2 cm

Question 14

- (a) $\frac{1}{4}$
- (b) $\frac{1}{13}$
- (c) 0.0045
- (d) 0.0067

Question 15

- (a) 12
- (b) 9
- (c) 19 metres
- (d) 12 metres

Question 16

- (a) 225
- (b) 1983
- (c) 8