الكلية العلمية الإسلامية
جبل عمان - الجبيهة

ورقة إجابة

العام الدراسي ٢٠ / ٢٠

الاختبار: .....

المبحث: .....

التاريخ: .....

الاسم: .....

الصف والشعبة: .....

المدرسة: .....

26 د

① f^3g^2 ✓ ② x ③ x ④ X

⑤ ✓ ⑥ ✓ ⑦ X ⑧ ✓

⑨ $(0.2)^5$ ⑩ u ⑪ y^4

⑫ $\left(\frac{1}{3}\right)^{14}$ ⑬ q^6 ⑭ m^4

⑮ a^2b^7 ⑯ b^3 ⑰ $\frac{4^2}{5^2} = \frac{16}{25}$

⑱ $(3)^{-2} = \frac{1}{3^2} = \frac{1}{9}$

$(-3)^2 = 9$

⑲ صحيح $-r \times -r \times r = r^3$

$r \times r \times r = r^3$

⑳ $\frac{(a^6 \times a^n)}{a^m} = a^{12}$

$a^{6+n} = a^{12-m}$

$6+n = 12-m$

$-6+m \quad -6+m$

$n+m = 6$

$(1,5)$ (n,m)

$(2,4)$

$(3,3)$

$(5,1)$

$(4,2)$

٢

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① $(85-4) \div (9-6)$

$81 \div 3 = 27$

② $(12-9) \times (4-20)$

$= 3 \times -16$

$= -48$

③ $\frac{2+9}{1} = 11$

④ $\left(\frac{20}{4}\right)^3 - 8$

$125 - 8 = 117$

5) $4 - 2 \times (2^2 \div 2^2) = 2$

6) $2^4 \div (2 \times 3 - 2) = 4$

7) $(2^3 - 2^3) \times (8-6) = 8$

8) $(2 + 3^2) \times 2 - 2 = 20$

9) $20 \div ((11-9) \times 2)$

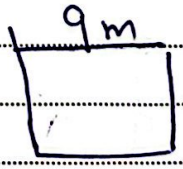
$20 \div 4 = \boxed{5}$ الجواب

10) $40 \div (40)$

$\boxed{=1}$ الجواب

11) $(2+1) \times 9^n$

$3 \times 81 = 243$



المساحة

12) $(10 \div 2) + (6-2) + 3$

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(28 p

① $5x$ ② $2xy$ ③ $x+y+2$

④ $x-2y$ ⑤

5) $x+8$ 6) $2x+25$

7) $x+x+12 =$
$2x+12$

8) $h-5x$

9) $6*(2)^2+(2-8)$
$6x\ 4+-6$
$24+-6=18$

10) $(12+(-3)^2) \div -3 -1$
$12+9$
$21 \div -3 -1$
$-7-1=-8$

11) $(5x3-9)^2 \div (8--1)$
$(15-9)^2$
$36 \div 9 = 4$

12) $(3^2-2x-4) \div (3+-4)$
$(9--8) \div -1$
$17 \div -1$
$=-17$

13) $4x^2y^3$

14) $6w^3v^3$

15) $2c^{1+1}d^{3+1}$
$2c^3d^4$

16) $(-3x6)(x^{1+2}y^{3+1})$
$-18x^3y^4$

17) $b+b+b+b=4b$

$4b-7$
$4x20-7$
$80-7=73$

$40-7=33$
$30-7=23$

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① $3b + 7b^2 - 4$

② $(2n^3 + 3n^2) + (8n - 6n) + 1$

$5n^2 + 2n + 1$

③ $(3x^3 - 8x^3) + (-6y - 2y) + 4$

$-5x^3 - 8y + 4$

④ $(2c^3 - 5c^3) + (5d + 3d) + 9$

$-3c^3 + 8d + 9$

⑤ $2a + 7b + 6b - a + 8$

$a + 13b + 8$

$(4a + 14b + 10) - (a + 13b + 8)$

$3a + b + 2$

⑥ $2c - d + 3d - c + 1 + 2c - d$

$3c + d + 1$

$(4c - 2d + 5) - (3c + d + 1)$

$c - 3d + 4$

⑦ $(0.5x^2 + 4x) + (0.5x^2 - 10x + 2)$

⑧ $(2b^3 + 2b + 1) - (b^3 + b)$

⑨ $1x + 1x + 2 = 2x + 2$

$2(x + 1)$

⑩ $x + x + 3 + 2(x + 3)$

$2x + 6$

$4x + 9$

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30 p

① $3w^3 - 12wu$

② $-2d^2 + 8db^3$

③ $(x+4)(2x-3)$

$2x^2 - 3x + 8x - 12$

$2x^2 + 5x - 12$

④ $(3x-2)(1+x)$

$3x + 3x^2 - 2 - 2x$

$x + 3x^2 - 2$

⑤ $(x^2+4)(2y-x)$ $x=1$, $y=3$

$2x^2y + 8y - x^3 - 4x$

$(2*(1)^2*3) + (8*3) - (1)^3 - 4(1)$

$6 + 24 - 1 - 4$

25

⑥ $(y^2-4)(x+2y)$ $x=5, y=-$

$y^2x + 2y^3 - 4x - 8y$

$((-1)^2*5) + (2*(-1)^3) - 4*5 - (8*-1)$

$5 + -2 - 20 + 8$

-9

⑦ $(3x+2y)^2$ $x=1$, $y=-3$

$9x^2 + 12xy + 4y^2$

$9 + -36 + 36$

$= 9$

⑧ $(2x-y)^2$, $x=-3$, $y=2$

$4x^2 - 4xy + y^2$

$36 - -24 + 4$

64

⑨ $3b$

⑩ $(3x+y)(x+2y)$

⑪ $(2a+2b)(3+b)$

$6a + 2ab + 6b + 2b^2$

⑫ $(3n+3m)(4+n)$

$12n + 3n^2 + 12m + 3$

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