

INDIAN SCHOOL SOHAR
FORMATIVE ASSESSMENT- 3
MATHEMATICS

SET 1

Date: 10-11-2015
Class: VIII

Time: 40mnts
Marks: 20

General Instructions:

- All questions are compulsory.
- Section A comprises 3 questions of 1 mark each.
- Section B comprises 2 questions of 2 marks each.
- Section C comprises 3 questions of 3 marks each.
- Section D comprises 1 question of 4 marks.

SECTION A

1. 72% of 25 students are good in mathematics .How many are not good in mathematics.
(a) 18 (b) 7 (c) 17 (d) 8
2. Find the sum of $ab - bc$, $bc - ca$, $ca - ab$.
(a) 1 (b) ab (c) abc (d) 0
3. Find the volume of a rectangular box of $l = xy$, $b = 2xy$, $h = 2xy$.
(a) 1 (b) $2x^3y^3$ (c) $4x^3y^3$ (d) 0

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SET 2

Date: 10-11-2015
Class: VIII

Time: 40mnts
Marks: 20

General Instructions:

- All questions are compulsory.
- Section A comprises 3 questions of 1 mark each.
- Section B comprises 2 questions of 2 marks each.
- Section C comprises 3 questions of 3 marks each.
- Section D comprises 1 question of 4 marks.

SECTION A

1. 28% of 25 students are not good in mathematics .How many are good in mathematics.
(a) 18 (b) 7 (c) 17 (d) 8
2. Find the sum of $ab - bc$, $bc - ca$, $ca - ab$.
(a) 1 (b) ab (c) abc (d) 0
3. Find the volume of a rectangular box of $l = xy$, $b = 2x^2y$, $h = 2xy^2$.
(a) 1 (b) $2x^4y^4$ (c) $4x^4y^4$ (d) 0

SECTION B

4. An almirah is sold at Rs 5225 after allowing a discount of 5 %.Find its marked price.
5. Simplify $15a^2 - 6a(a - 2) + a(3 + 7a)$

SECTION C

6. Find the Amount on Rs 62500 for $1\frac{1}{2}$ years at 8 % per annum compounded half yearly.
7. Subtract $1 - a + a^2 - a^3$ from $3a^2 - 4a^3 + 3a + 7$.
8. Use suitable Identity to solve $(2x^2 - 3)(2x^2 + 5)$

SECTION D

9. Calculate the Amount and compound interest on Rs 18000 for $2\frac{1}{2}$ years at 10 % compounded annually.

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SECTION B

4. Simplify $(5x - 3)(x + 2) - (2x + 5)(4x - 3)$
5. A refrigerator is sold at Rs 5225 after allowing a discount of 5 %.Find its marked price.

SECTION C

6. Find the Amount on Rs 62500 for $1\frac{1}{2}$ years at 8 % per annum compounded half yearly.
7. Subtract $2x^3 - 4x^2 + 3x + 5$ from $4x^3 + x^2 + x + 6$
8. Use suitable Identity to solve $(z^2 + 2)(z^2 - 3)$

SECTION D

9. Calculate the Amount and compound interest on Rs 18000 for $2\frac{1}{2}$ years at 10 % compounded annually.

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