**Mathematics**

**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:Solve: in the figure y, the and difference is 35 and 5cm.constract the equations. x (02 Marks)**

**Level of Item: Comprehension**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| Length =xWidth = yX+Y = 35m .X-Y=5m | From the first condition i.e sum.From the second condition i.e difference  | 01 |

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**Reviewer Comments:**

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**Mathematics**

**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:Solve: the sum and difference of the dimensions of x-1 y+2 is 30cm and 23m. construct the equation. (04 Marks)**

**Level of Item: Comprehension**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| Length =x-1Width = y+2x-1 + y+2 = 30cmx+y+1=30cmx+y=29cm(x-1) – (y+2) =23x-1-y-2 = 23x-y-3=23x-y = 226 | Sum of sidesSimplifying Difference of sidesSimplifying  | 01010101 |

**Name and Signature**

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**Reviewer Comments:**

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**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:Solve: 2x+y=15; 3x-y=5 by elimination method 04 Marks)**

**Level of Item: Comprehension**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| 2x + y = 153x – y =15By adding 5x = 20  X= 20 X=43x – y = 53(x)-y=512-y=512-5=y7=yOr y=7  | Adding Finding Putting the simplifying Simplifying  | 010101 01 |

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**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:Solve by substantion method: x-2y=13, 3x-y=4**

**(04 Marks)**

**Level of Item: Comprehension**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| x-2y=13 3x-y=43x-4=ySubstitation in Eq:X+2(3x-4) = 137x-8=137x=13+87x=21X=3Y=3(3\_-4=9-4=05 | Simplifying Using and Simplifying  | 010101 01 |

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**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:The difference of two numbers Is 12 and three sum is 2 times of the difference.**

**(04 Marks)**

**Level of Item: App**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| x-y=12x+y=2(12)x+y=24x+y=24x-y=122x =36X =1818-y=1218-12=Y6=yOr y=6 | According to coordination 1According to coordination Adding 1 & 2Using eq(1)Simplifying  | 010101 01 01 |

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**Mathematics**

**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:The sum of two numbers is 36 and one one third of sum find the numbers.**

**(04 Marks)**

**Level of Item: App**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| X+y=36 x-y=1/3(36)x-y=12x+y=36x-y=122x =48X =2424-y=1224-12=Y12=yOr y=12 | According to coordination 1According to coordination Adding 1 & 2Using eq(1)Simplifying  | 010101 01 01 |

**Name and Signature**

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**Mathematics**

**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:**85- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:The exponeat of -3x-2 13: (a) 3 (b) -3 (d) -2.**

**(04 Marks)**

**Level of Item: App**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| -2 | Exponent  | 01 |

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**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:The exponent of -/2 y -1/2 is = (a) ½ (b) -1/4 (c) 3/2 (d) -3/2**

**(04 Marks)**

**Level of Item: App**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| -1/2 | Exponent  | 01 |

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**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:The simplified from of x4-x-7 15 (a) x3 (b) x-3 (c) x-11 (d) x11**

**(04 Marks)**

**Level of Item: App**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| X-3 | Indecislaws i.e. xm-xn= X | 01 |

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\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: ERQ**

**Level of SLO: Comprehension**

**Task:The simplified find form of x11/x11 15. (a) x6 (b) x-6 (c) x16 (d) x-16**

**(04 Marks)**

**Level of Item: Comp…..**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| X16 | Indices law i.exm/xn =x mn | 01 |

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Dr.M. Anwer

**Reviewer Comments:**

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**Name and Signature Reviewer**

**Mathematics**

**Subject: Mathematics**

**Domain: B-Number and Operation**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task:MCQ**

**Level of SLO: Comprehension**

**Task:Solution of incquality 5x-2x<12 is : (a) x<3 (b) x<-3 (c) x>3 (d) x7-3**

**(04 Marks)**

**Level of Item: Comp…..**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| X<3 | Solution of inequality  | 01 |

**Name and Signature**

Dr.M. Anwer

**Reviewer Comments:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name and Signature Reviewer**

**Mathematics**

**Subject: Mathematics**

**Domain: B- Transformations**

**Grade:**-8

**Unit:** 8- **Transformations**

**Type of Assessment: Summative & Formative**

**SLO:( M-08-A-23)**

**Type of Task: MCQ**

**Level of SLO: Comprehension**

**Task:Solution of inequality 2x-3<9-x is : (a) x<4 (b) x<-4 (c) x>4 (d) x>-4**

**(04 Marks)**

**Level of Item: Comp…..**

|  |  |  |
| --- | --- | --- |
| **Expected Response** | **Skill Observed** | **Score** |
| X<4 | Solution of inequality  | 01 |

**Name and Signature**

Dr.M. Anwer

**Reviewer Comments:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name and Signature Reviewer**