P.7 MATHEMATICS MARKING GUIDE END OF TERM 1 2024

| | E COLLEGE | | N . | |
|-----|---|-----------------------|---|---|
| | | 8 0.00425 | CH2632 | 14 |
| | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 0.00425 × 10= 0.0425 | -CH 26326 | (f) - (-) - |
| | 2-10 IAV | 0.0425 × 10 = 0.425 | | 9941 |
| | | 0.425 × 10 = 4.25 | 8 | |
| | 1 4 | | 100 no | |
| | # = 1 | 1.0.00425 = 4.25X103 | Amount | |
| 2. | 7 | 9) | Sh. 500 | 0×100 |
| - | 12,000 | | Sh. 500 | 0,000 |
| | + 12 | 以我的投表了 | (5) | |
| | 12,012 | +2 +3 +4 +5 +6 | Listance in M | Time insec |
| 3. | m + 3 2(f:::-) | | 1 km = 1000m | 1hr = 3600sec |
| | m+3=2(finites) | (6) | 18km = 18x1000m | 1117 - 300020 |
| | M+3-3 = 2-3 (Aniks | Accept the correct | 18,000. | |
| | m = (45)-3(finits) | 1 | , 5,000,41, | • |
| | | measuring wing | Speed = I | <u>> · </u> |
| | | a protractor. | | T |
| | | | | copo m |
| 4. | 7777477777777 | (1) 3-1+60° = 180° | 3 | Goy sec |
| | <i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i> | | - | 2 |
| | | 34+60-60 = 180-60 | | <u>8 m</u> |
| | | 34 = 120° | • | ZSec |
| | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 37 = 120 | <u>c</u> | smisec |
| | | [Y 1034][S 15] | (G) | |
| 5. | 25 15 11 | 1 = +0° | 0 | |
| | 3/h/1 five (| @ 6:20p.m | $\frac{2}{5} \stackrel{2}{\leftarrow} \frac{2}{5} \times$ | = + |
| - 1 | | + 4 00 hrs | 2×3 | 10 |
| - 1 | hx5 = 10 | | 5×. | Acres Acres |
| - 1 | 15 = 10 s | 10:20 P.m | | |
| - | 5 5 | 10: 20 p.m | 12 4 | and 6 |
| - 1 | h = 2 | +12 00 lm 4 | 1.2 5 4 | 15 |
| 5. | 5+5+5+2 eggs | 22 20 hrs | | |
| 1 | | | Sum of data | |
| | 15+2 eggs | (3) | Mo of data | = Mean |
| 1 | 17 eggs | 4a-b+a-3b | K+3+5+2 | |
| 7. | (5 - 1) glasses | 49+9-36-6 | 14 | |
| | 5x 3 glasses | 59 - 4b | (K+10)4 | = 3 ×4 |
| | 10 glasses | | ** | |
| | 177 TV | -467 | K+10 | = 12 |
| - 1 | : Annet received |] = - [| K + 10-10 | = 12-10 |
| | 10 visitors on that | -46 | K | = 2 |
| 1 | day. | _ 75 | | |

| 18. old INEW | (b) | (23) |
|---|--------------------------|------------------------------|
| 1000/ 110 % | 17-d +d +12+d-1 | 1st no 2ndno 3dno Su |
| 9.320,000 | (7-5) + 5 + 12 + (5-1) | 7-2 7 7+2 18 |
| 100 4 100 | 12 + 5 + 12 + 4 | |
| 100%, rept Sh. 320,000 | 17 + 16 | 7-2 +4 + 4+2 = 18 |
| 1 % repts sh. 320,000 | 33 quests | 7+4+ +2-2 = 18 |
| 1°1. repts Sh. 3200 | | 37 = 18 |
| New salary | Chicken compleme | = 18 = 18 = 18 |
| 12L | 17-d +d-1 | 1 2 - 6 |
| Sh. 3200 ×110 | (17-5) + (5-1) | 1 = 6 |
| Sh. 32000 | 12 + 4 | Range = H - L |
| 1 20 11 | 16 | (Hr2) - (H-2) |
| +320000 | Probability = n(F) | (6+2) - (6-2) |
| Sh.352,000 | (n(ss) | 8 - 4 |
| 19. Square of 16 | 16 | 4 |
| 1102 | | (24) |
| 16 = 16×16 | 22)a) | 1 Sca |
| 1 6 | 24 = 31 | a) 1500 100 cm |
| × 1 6 | 24 = 31 tive | / |
| | | Length of mat. |
| +160 | (2×4)+(4×1) =(3×5)+(1×1) | 100 cm - (5cm+5cm) |
| 256 | 24+4 = 15+1 | 100 cm - 10 cm |
| 20. V = Base area x H | 124 +4 = 16 | , 90cm |
| 5 (50) 650 | 27 +4-4 = 16-4 | Length of the table |
| V = 40cm x 50cm | 24 = 12 | 90cm + (15cm+15cm) |
| 1= 400 | = +2 = | anch 1 (schitten) |
| 2000 | | 90cm + 30cm 120cm |
| | 1 = 6 | |
| V= 2000 cm3 | (b). | ~ the |
| SECTION B | 3 2 3 five | - Imple |
| 21 17-0 = 12 | -1 1 4 | LXWSXS |
| a) 17-17-d = 12-17. | -1 1 4 tive | 120 cm x 100 cm 90 ax x 90 a |
| 1 _ 4 | tive | 12,000 cm2 8100 cm |
| = -5 | 5+3=8 | Area not covered by |
| -1 | 8-4=4 | the mat . |
| 9 = 5 | 1-1-0 | 1 21000 0 000 |
| | 3-1=2 | - 8 1 00 Cm2 |
| | 1 - 2 | 3,900 cm2 |
| With the second | | |

| | - | | |
|-----|-----------------------------------|--------------------------------|---------------------------|
| 25 | 2 40 130 | Sh-30,000 xT = 5k. 15,000 | O 2+1 |
| | 2 2 5 | Sh-30,000 Ju 30,000 | 0. 10. 17.20 |
| c1) | 2 10 15 | T = + year | (29) -> |
| | 3 5 15 | _ | |
| | 5 5 5 | The loan was | Buying price |
| | LCM = 2x2x2x3x5 | for a half a year | 51.170,000 |
| | 4 × 6 × 5 | 27 a= 3, b= a c=b | Sh. 510,000 |
| p) | 4 × 30 | , | 31. 310,000 |
| | 120 | a=3, b=3, c= 3+4 | Total bars of soap |
| 0 | Common interval is | @ ab + c | 3×30 |
| | equal to LCM | ax b + c | 90 |
| | 120 minutes to his | 3×3 +7 | Selling price |
| | Conjuntes = 11m | 9 +7 | Sh. 6500 x 90 |
| | 1 min = to br | 16 | Sh. 6 5000 |
| | 120 min = (** x+2) hrs | 6 362 | |
| | 2 hours. | | d585,000 |
| | The two bells will | 3×5×5 + 4 | Profit = Sella 2. P. |
| | ring together after | 1 | Profit = Sellmy Price-B.P |
| | 2 hours. | 3×49 +3 | Sh. 585,000 |
| b) | | 147 +3 | - Sh. 510,000 |
| ٠, | 117. 100000-0900-000 | (28) | Sh . 75,000 |
| | +200 hrs | | 30) Jane Gift Mercy More |
| | 13 20 WZ | 9) 3+2+4+1 5+5 | a) 3 5 7 7-5 |
| | 1320 ms | 10 pupils | 2.6000 |
| | -12 00 hrs | | 2 Parts rept sh 60,000 |
| - | 1:20 p.m | (b) Average mark. | 1 Part repts st. 30,000 |
| 26. | 0042 0 4 0 040 904 | Sum of Hems | 3 |
| a) | P = A - S. I | No of item | 1 Part repts of. 30,000 |
| | id. 2 | (40×3)+ (80×3)+ (e0x++)+(dox1) | Total Share = 3+5+7 |
| | Sh. 315,000 | 120 + 160 + 240 + 90 | 15 |
| | -Sh. 015,000 | 10 | SL. 30,000 × 15 |
| | Sh. 300,000 | 280 + 330 | Sh. 150,000 |
| ١٩ | PXXXT = SI | 10 | × 3 |
| | Sh. 300,000 x 10 x 7 = 5h. 15,000 | 619 | Sh. 450,000 |
| - 1 | 160 | ΙØ | J'AN-6 |
| | Sh. 300,049 × 10 x7 = 51.15,000 | 61 | sh 30,000 x 3 |
| . 1 | | | Sh. 90,000 |
| | | | |

