## Primary Edcation Completion Examination-2014
## Model Question
## Subject: Mathematics
### Times 2 hours 30 minutes
### Full marks: 100

[N.B. The figure in the right margin indicate full marks.
Answer any 10 questions including questions No. 1, 2, 3, 5 and 13]

1. Write the correct answer in your answer script:                    1×10=10

   (i) Product ÷ multiplier = ?
   (a) Multiplcand    (b) Multiplier    (c) Product    (d) Quotient

   (ii) If 1 basket contain 8 mangoes? How many mongoes contain in 9 baskets?
   (a) 17 mangoes    (b) 27 mangoes  (c) 72 mangoes    (d) 90 mangoes

   (iii) If the average of seven number 172. What is the sum of seven number?
   (a) 179         (b) 1024         (c) 1204         (d) 1240

   (iv) $\dfrac{1}{7} + \dfrac{3}{7} + \dfrac{2}{7}$ = what?

   (a) $\dfrac{3}{7}$         (b) $\dfrac{2}{7}$         (c) $\dfrac{1}{7}$         (d) $\dfrac{6}{7}$

   (v) 1 inchi = how many centimetre?
   (a) 254 centimetre                (b) 25.4 centimetre
   (c) 2.54 centimetre                (d) .254 centimetre

   (vi) The interest of 100 taka in 1 year is-
   (a) Rate of interest  (b) Profit         (c) Fraction    (d) Principal

   (vii) 96 metre 84 centimetre equal how many centimetre?
   (a) 9684 centimetre                (b) 98.48 centimetre
   (c) 984.8 centimetre                (d) 9.848 centimetre

   (viii) How many days in the month of April?
   (a) 28         (b) 20         (c) 30         (d) 31

   (ix) How many vertices of a quadrilateral?
   (a) 1         (b) 2         (c) 3         (d) 4

   (x) 503 × 16 = ☐ , To solve the problem how many buttons will be pressed in an inactive calculator?
   (a) 5         (b) 6         (c) 7         (d) 8

2. Answer in short: 1×10=10

(a) What is the difference of the 6 digits smallest number and 5 digits greatest number?

(b) What is the average of 22, 46, 60 and 72?

(c) How many prime multiplier of 24?

(d) $X \times 5 + 10 = 60$, what is the value of x?

(e) What is the opposite fraction of 5?

(f) $0.00125 \times 100 =$ what?

(g) 5% of 75 taka = what?

(h) How many minutes equals to 1 day?

(i) What is monitor?

(j) What is called the chard that passed through the centre?

3. In a Cambrian hostel 540 students have food for 40 days. After 10 days 100 more students came. 2×5=10

(a) How many total students become in that hostel?

(b) How many days remain after 10 days?

(c) If 1 student wants to finish that food then how many days will require?

(d) If 600 students want to finish that food than how many days will require?

(e) To finish that food in 20 days, then how many students will require?

4. 16 persons can do a piece of work in 5 days. In how many days can 20 persons do that work? 10

5. The population of five villages of a union is respectively 1327, 1872, 2187, 2516 and 2943. 2×5=10

(a) Write the formula of calculating average.

(b) What is the total population of first 3 villages?

(c) What is the total population of last 2 villages?

(d) What is the total population of 5 villages?

(e) What is the average population of 5 villages?

6. What is the largest number which divides 76, 114 and 228 without remainder? 10

7. $5\dfrac{1}{12}$ metre of a 10 metre long white tape was coloured blue and $4\dfrac{1}{3}$ metre was coloured red. What length of the tape remained white? 10

8. One kuri of eggs cost 160 taka. Moly bought 0.8 kuri and Rumi bought 0.5 kuri of eggs. Who bought how many eggs and how much did each of them pay? 10

9. In an examination out of 40 students 4 failed, what percentage of students passed in that examination?    10

10. How many quintals are there in 796000 gram? How many metric tons? 10

11. Connert into years, months, days: 95624 minutes.    10

12. The daily wage (in taka) of 15 workers are given below: Classify the data.    10
325, 300, 325, 350, 300, 325, 325, 300, 350, 350, 325, 400, 350, 325, 325.

13. a) Draw visually a parallelogram whose two adjacent sides have lengths 4 cm and 3 cm. Measure the length of the opposite sides.    4

b) Write the definitions with figure (any two):    3×2=6
Quadrilateral,   Square,   Chord.