

# Primary education completion examination-2014

## Model Test-10

### Mathematics

Time: 2 hours 30 minutes

Full Marks: 100

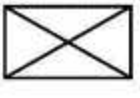
[ N.B- The figures in the right margin indicate full marks. Answer any 10 questions including question no. 1,2,3,5 and 13]

1. Write the correct answer in your answer script: 1×10=10
- (i)  $567 \times 100 = 56700$ , Here which one is multiplier?  
(a) 567 (b) 100  
(c) 56700 (d) 5670
- (ii) The price of 9 books is 216 taka. What is the price of 1 book?  
(a) 14 taka (b) 24 taka  
(c) 34 taka (d) 44 taka
- (iii) The average of four numbers is 50, what is the total of them?  
(a) 54 (b) 100  
(c) 150 (d) 200
- (iv) What is the L.C.M of 24, 36, 40?  
(a) 360 (b) 260  
(c) 160 (d) 100
- (v) What is the reciprocal fraction of  $\frac{7}{15}$  ?  
(a)  $\frac{7}{15}$  (b)  $\frac{15}{7}$   
(c)  $2\frac{1}{7}$  (d)  $\frac{1}{7}$
- (vi) Express into percentage  $\frac{13}{25}$  .  
(a) 25% (b) 52%  
(c) 72% (d) 100%
- (vii) 54 km = How many meter?

- (a) 54 m; (b) 540 m;  
 (c) 5400 m (d) 54000 m
- (viii) 1 leap year = How many days?  
 (a) 364 days (b) 365 days  
 (c) 366 days (d) 367 days
- (ix) , what is the name of the figure?  
 (a) square (b) Rhombus  
 (c) Rectangle (d) Parallelogram
- (x) Charles Babbage is called the father what?  
 (a) calculator (b) television  
 (c) Remot (d) Computer

2. Answer the short:

$1 \times 10 = 10$

- (a) Write down the formula to find out product.  
 (b) The price of 1 dozen banana is 30 taka, what is the price of 3 dozen banana?  
 (c) What is the another name of divisor?  
 (d) Which number when added to 8 will yield the difference 33 when 7 is subtracted from the sum?  
 (e) In the case of same dinominator which fraction is greater?  
 (f) Loss depends on which price?  
 (g) 1 Hector = How many square meter?  
 (h) How many century from 1201-1300?  
 (i) What is unarranged data?
- (i)  In the figure what is the name of the sides AC and BD?

3. By using the digits 6, 8, 9, 5, 0, 4,

$2 \times 5 = 10$

- (a) Write the largest number of 6 digits.  
 (b) Write the largest number of 6 digits by using the digits once.  
 (c) Write the smallest number of 6 digits by using the digits once.  
 (d) Find the difference of the largest number of six digits and smallest number of six digits using the given digits.  
 (e) Find the difference of largest number of 6 digits and smallest number of six digits.

4. Raju and Rony together have 960 lychees. Rony has 86 lychees less than Raju. How many lychees does Raju, as well as Rony have? 10

5. In a test series the average of the runs made by six batsmen of the visiting team was 76. The average of the runs made by four bowler was 21. 2×5=10

- (a) Write the formula of calculating average.  
(b) What is the total runs of 6 bats men?  
(c) What is the total runs of 4 bowlers.  
(d) What is the total runs of all players.  
(e) What is the average run of all players.

6. Find the smallest number which when divided by 6, 10, 15 and 21 leaves in each case the remainder 4. 10

7. Shomu spends  $\frac{1}{4}$  portion of a day studying at school,  $\frac{1}{12}$  portion playing out,  $\frac{1}{3}$  portion studying at home, in the remaining time he does other work and take rest. What portion of the day he spend studying and playing. 10

8. A 3- minute call from a mobile phone costs 2.04 taka; what is the per minute cost of calling from that phone? 10

9. Annual percent rate of interest being 5 taka, what is the interest on 900 taka for 3 years? 10

10. The measure of a triangular land is 17088 square metre. The measure of the base is 200 metre; what is the height? 10

11. According to the international system, Bangladesh Biman leaves for kolkata at 2000 hour. At what time in the evening does Biman leave? 10

12. In the annual examination 6 students obtained the following marks in mathematics. draw a bar graph based on the data. 10

Student	Sumon	Mimi	Omar	Shapnil	Tania	Ratan
Marks obtained	80	90	80	100	75	85

13. (a) Draw a quadrilateral. Measure the length of its four sides and two diagonals. 4

- (b) Write the definition with figure (any two); 3×2=6  
Rhombus, Circle, Chord