

NMSE
2020

SAMPLE PAPER

5





National Merit Scholarship Exam 2020

Important Instructions

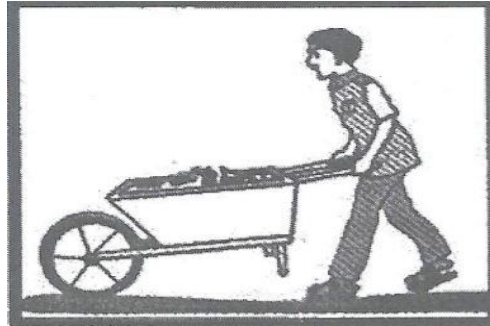
- ❖ This is a sample question paper containing a total of 15 MCQs questions.
- ❖ There are 5 questions from each Science, math and Mental Ability.
- ❖ The Actual Exam will consist of a total 45 MCQs questions, 15 ques. from each subject.
- ❖ There is no negative marking.

Science

1. Which vitamin is present in amla?
 - (A) Vitamin B
 - (B) Vitamin C
 - (C) Vitamin A
 - (D) Vitamin B12
2. Which of the following contain carbohydrates?
 - (A) Potato
 - (B) soybean
 - (C) Oils
 - (D) Fiber
3. Which of these given are uses of satellites?
 - (A) In weather for forecasting
 - (B) In telecommunication
 - (C) GPS

(D) All of these

4. Which of the following tools are in the same class as the simple machine shown below?



(A) Ice tongs

(B) Paper cutters

(C) Pulley

(D) All of them

5. Which of these is a sedimentary rock?

(A) Granite

(B) Pumice

(C) Conglomerates

(D) Basalt

Mathematics

6. Tom left home at 7 : 15 a.m. to go to work. He returned home at 4 : 45 p.m. For how long Tom was away from home?

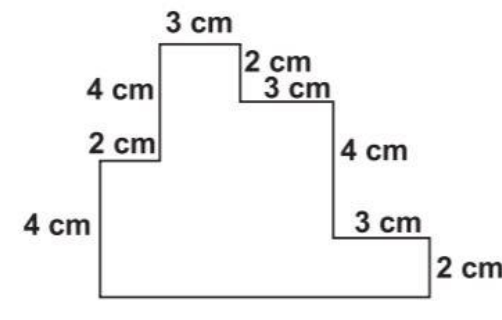
(A) 7 hours 30 minutes

(B) 9 hours 30 minutes

(C) 3 hours 30 minutes

(D) 8 hours 30 minutes

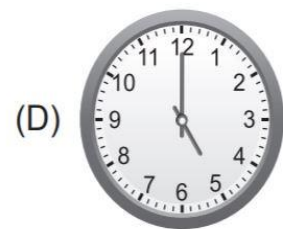
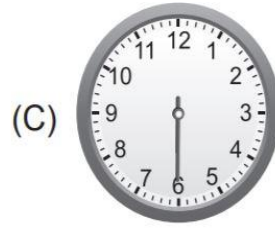
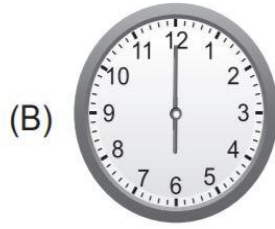
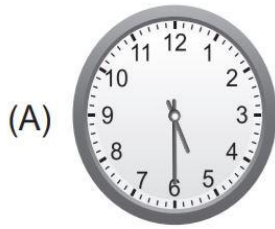
7. There are 3 rows of strawberry plants. Each row has 6 plants. How many strawberry plants are there in all?
- (A) 9
- (B) 18
- (C) 22
- (D) 24
8. There were 3856 trees in a forest. In another forest, there were 4795 trees. How many more trees were there in the second forest?
- (A) 930
- (B) 939
- (C) 1689
- (D) 1600
9. The perimeter of the given figure (not drawn to scale) is _____.



- (A) 35 cm
- (B) 27 cm
- (C) 38 cm
- (D) 42 cm
10. There are _____ tens in 36520.
- (A) 12
- (B) 36
- (C) 365
- (D) 3652

Mental Ability

11. Mohit went for swimming at 2:30 p.m. and returned back home 3 1 2 hours later. The time he came back home is _____.



12. If in a certain code language 'MONKEY' is coded as 'YEKNOM', then how will 'MONIKA' be coded in that language?

(A) KANIMO

(B) AKINOM

(C) NOMIKA

(D) AIKONM

13. Find the odd one out.

(A) 7

(B) 9

(C) 4

(D) 6

14. Subtract 29.375 from the sum of 85.75 and 5.9.

(A) 62.275

(B) 63.275

(C) 64.275

(D) 65.275

15. Rearrange the following letters to make a single meaningful English word and then choose the category to which it belongs.

F G O R

(A) City

(B) Animal

(C) Vegetable

(D) Person

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
B	A	D	B	C	B	B	B	C	D	B	B	A	A	B