

NMSE
2020

SAMPLE PAPER

6





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. The term 'Reduce' is one of the three R's (reduce, reuse and recycle) to save the environment. An example of the opposite of reducing is over-packaging which is an anti-environment activity. Which of the following packaging activities is anti-environment?
 - (A) Filling a cereal box completely
 - (B) Putting an item in a cardboard box, then putting that box in another box
 - (C) Putting foam packing material around a fragile item
 - (D) Packing an item in the smallest possible box
2. . ____ is a good conductor of electricity.
 - (A) Metal
 - (B) Rubber
 - (C) Plastic
 - (D) All of these
3. A small baby plant coming out of a seed is called _____.
 - (A) Grain

- (B) Root
- (C) Dispersal
- (D) Seedling.

4. We can recycle water by _____.

- (A) Reusing the water from washing clothes to cook
- (B) Discharging factory waste into canals and seas
- (C) Discharging sewage and waste materials into the ocean
- (D) None of these

5. Burning of garbage leads to (i)____. (i)_____ can cause deadly diseases such as_____ (ii) and asthma. Which of the following options correctly fills the blanks (i) and (ii)?

- (A) (i)-Air pollution, (ii)-Lung cancer
- (B) (i)-Water pollution, (ii)-Lung cancer
- (C) (i)-Soil pollution, (ii)-Cholera
- (D) (i)-Water pollution, (ii)-Typhoid

Mathematics

6. A vessel has 5 litres 120 millilitres of mango shake. How many glasses each of 40 ml capacity, can be filled with it?

- (A) 122
- (B) 130
- (C) 118
- (D) 128

7. Harry had 500 coins in a jar. He sorted the coins into 25 different stacks. Each stack had the equal number of coins. How many coins were in each stack?

- (A) 20
- (B) 45
- (C) 25

(D) 12

8. The cost of flooring a room at Rs 8.50 per square metre is Rs 1,020. If the breadth of the room is 8m, then its length is :

(A) 10 m.

(B) 12 m.

(C) 15 m.

(D) 18 m.

9. Cost price of 7 radio sets is Rs. 1050. The cost price of 5 radio sets will be

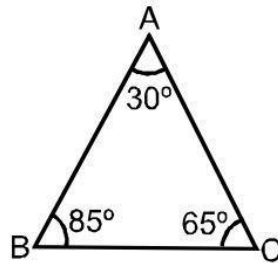
(A) Rs. 350

(B) Rs. 210

(C) Rs. 35

(D) Rs. 750

10. In the given figure triangle ABC is an



(A) Acute angle triangle

(B) Obtuse angle triangle

(C) Right angle triangle

(D) Equilateral triangle

Mental Ability

11. If 'Cloud' is coded as 'Rain', 'Rain' is coded as 'Tree', 'Tree' is coded as 'Axe', 'Axe' is coded as 'House' and 'House' is coded as 'Mason', then from which of the following 'Wood' is obtained?

(A) Tree

(B) Rain

(C) Axe

(D) Mason

12. If you are eleventh in a queue of persons starting from either end, then how many persons are there in the queue?

(A) 11

(B) 21

(C) 20

(D) 24

13. Pia walks a distance of 4 metres towards South. Then she turns to the left and walks 3 metres. After this she turns to the right and walks 4 metres. In which direction is she facing now?

(A) North-East

(B) South

(C) North

(D) South-West

14. Vinita can type 28 words per minute. At this rate, how many words can Vinita type in 5.5 minutes? (A) 154

(B) 157

(C) 159

(D) 162

15. If A stands for addition and B stand for subtraction then 4 A 3 B 3 A 2 equals

(A) 154

(B) 157

(C) 159

(D) 162

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