



FCAT 05

FORTNIGHTLY CHILD ASSESSMENT TEST

Class 8<sup>th</sup>

READ THE FOLLOWING INSTRUCTIONS:

1. All questions are compulsory.
2. Submit your Sheets by 6:00 pm

1. Metals generally react with dilute acids to produce hydrogen gas. Which one of the following metals does not react with dilute hydrochloric acid? 1 mark

- (a) magnesium (c) iron  
(b) aluminium (d) copper

2 Various materials which are obtained from nature are called natural resources. Which of the following is not a natural resource? 1 mark

- (a) minerals (c) soil  
(b) water (d) plastic

3 Air is a natural resource and cannot be exhausted by human activities. It is known as inexhaustible natural resource. Which of the following is another inexhaustible natural resource? 1 mark

- (a) coal (c) sun-light  
(b) petroleum (d) minerals

4 Which of the following is a pair of exhaustible natural resources. 1 mark

- (a) coal and soil (c) water and petroleum  
(b) air and sun-light (d) wild life and minerals

5 Coal is processed in industries to get some useful products. Which of the following is not obtained from coal? 1 mark

- (a) coke (c) coal gas  
(b) coal tar (d) CNG

6. What are antibiotics? What precautions must be taken while taking antibiotics? 2 mark
7. What is nitrogen fixation? 2 mark
8. What are synthetic fibres? 1 mark
9. Give reasons for the following: 4 mark
- Aluminium foils are used to wrap food items.
  - Immersion rods heating liquids are made up of metallic substances.
  - Copper cannot displace zinc from its salt solution.
  - Sodium and potassium are stored in kerosene.
10. Describe how coal is formed from dead vegetation. What is this process called? 3 mark
11. List the conditions under which combustion can take place. 3 mark

QUESTIONS FROM 12 TO 41 ARE OF 1 MARK EACH

12. The words doctor, Gopal, cow, city are all examples of \_\_\_\_\_.  
a. Noun  
b. Pronoun  
c. Verb  
d. Adjective
13. The words you, we, she, they are all examples of \_\_\_\_\_.  
a. Noun  
b. Pronoun  
c. Verb  
d. Adjective
14. A \_\_\_\_\_ says what a person or thing does.  
a. Noun  
b. Pronoun  
c. Verb  
d. Adjective
15. An \_\_\_\_\_ is a word which describes or adds to the meaning of a noun or pronoun.  
a. Noun  
b. Pronoun  
c. Adjective  
d. Verb
16. An \_\_\_\_\_ is a word which mainly adds to the meaning of a verb and says how, where or when something happens.  
a. Noun  
b. Adverb  
c. Pronoun  
d. Verb

17. A \_\_\_\_\_ is a word like at, in, to, with, etc which is used before a noun or pronoun to show place, time, manner, etc.
- Adverb
  - Preposition
  - Conjunction
  - Interjection
18. A \_\_\_\_\_ is a joining word such as and, but, yet, or etc. it joins the words or group of words.
- Adverb
  - Preposition
  - Conjunction
  - Interjection
19. Which punctuation marks is missing in this sentence: Put the CDs on the top shelf
- Full stop (.)
  - Question mark (?)
  - Coma (,)
  - Exclamation mark (!)
20. Which punctuation marks is missing in this sentence: Have you downloaded the information
- Full stop (.)
  - Question mark (?)
  - Coma (,)
  - Exclamation mark (!)
21. Which punctuation marks is missing in this sentence: How recklessly he drove
- Full stop (.)
  - Question mark (?)
  - Exclamation mark (!)
  - Coma (,)
22. I \_\_\_ twelve years old.
- Will
  - Was
  - Am
  - Is
23. He \_\_\_ a clever boy.
- Was
  - Is
  - Are
  - Am
24. They \_\_\_\_\_ very angry with her.
- Are

- b. Where  
 c. Will  
 d. Were
25. Your spectacles \_\_\_\_\_ on the table.  
 a. Was  
 b. Were  
 c. Are  
 d. None of them
26. The police \_\_\_\_\_ arrested my neighbour.  
 a. Is  
 b. Are  
 c. Have  
 d. Has
27. One of my brother \_\_\_\_\_ in Iran.  
 a. Live  
 b. Lives  
 c. Living  
 d. None of them
28. 12 kilometres \_\_\_\_\_ a long way to walk everyday.  
 a. Is  
 b. Are  
 c. Were  
 d. All of them
29. One of my friend \_\_\_\_\_ gone to America for studies.  
 a. Has  
 b. Have  
 c. Is  
 d. All of them
30. What is the full form of Wasn't  
 a. Was not  
 b. Were not  
 c. Only a  
 d. Both a and b
31. What is the contraction word for the following: have not  
 a. Hasn't  
 b. Haven't  
 c. Hav'nt  
 d. Ha'vnt
32. ABCD is a quadrilateral in which  $AB = 5$  cm,  $CD = 8$  cm and the sum of angle A and angle D is  $180^\circ$ . What is the name of this quadrilateral?

- (a) Parallelogram. (b) Trapezium. (c) Rhombus. (d) Can not be determined.

33. Which of the following is not true?

- (a) rational numbers are closed under addition.  
 (b) rational numbers are closed under subtraction.  
 (c) rational numbers are closed under multiplication.  
 (d) rational numbers are closed under division.

34. The reciprocal of  $-1$  is

- (a) 1 (b)  $-1$  (c) 0 (d) Not defined.

35. If the diagonals of a quadrilateral bisect each other at right angles, it will be a

- (a) rhombus. (b) trapezium. (c) rectangle. (d) kite

36. In a square ABCD, the diagonals meet at point O. The  $\triangle AOB$  is

- (a) isosceles right triangle. (b) equilateral triangle  
 (c) isosceles triangle but not right triangle. (d) scalene right triangle.

37. The range of the data  $-9, 8, 4, 3, 2, 1, 6, 4, 8, 10, 12, 15, 4, 3$  is

- (a) 15. (b) 14. (c) 12. (d) 10.

38. A dice is thrown two times and sum of the numbers appearing on the dice are noted.

The number of possible outcomes is

- (a) 6. (b) 11. (c) 18. (d) 36.

39. The probability of getting a multiple of 2 when a dice is rolled is

- (a)  $1/6$ . (b)  $1/3$ . (c)  $1/2$ . (d)  $2/3$ .

40. If  $x$  be any rational number then  $x + 0$  is equal to

- (a)  $x$  (b) 0 (c)  $-x$  (d) Not defined

41. A number which can be expressed as  $p/q$  where  $p$  and  $q$  are integers and  $q \neq 0$  is

- (a) natural number. (b) whole number. (c) integer. (d) rational number.

42. The marks obtained (out of 20) by 30 students of a class in a test areas follows: 14, 16, 15, 11, 15, 14, 13, 16, 8, 10, 7, 11, 18, 15, 14, 19, 20, 7, 10, 13, 12, 14, 15, 13, 16, 17, 14, 11, 10, 20. Prepare a frequency distribution table for the above data using class intervals of equal width in which one class interval is  $4-8$  (excluding 8 and including 4). (2 MARKS)

43. The present age of father is four times the age of his son. After 10 years, age of father will become three times the age of his son. Find their present ages. (3 MARKS)

44. A steamer goes downstream from one point to another in 7 hours. It covers the same distance upstream in 8 hours. If the speed of stream be 2 km/hr, find the speed of the steamer in still water and the distance between the ports. (3 MARKS)

45. One fruit salad recipe requires  $1/2$  cup of sugar. Another recipe for the same fruit salad requires 2 tablespoons of sugar. If 1 tablespoon is equivalent to  $1/16$  cup, how much more sugar does the first recipe require? (2 MARKS)

46. What should be in the position of the question mark (?) 20 marks

1. T U X C J ? ?

2. A Z D W G T J Q ? ?
3. 1 4 9 16 25 ?
4. E G K Q Y I ?
5. 2 3 5 7 11 13 ?
6. 1 3 7 13 21 31 ?
7. 460.8 115.2 28.8 7.2 ?
8. 50 48 45 40 33 22 ?
9. E H F I G J ? ?
10. BCD HIJ MOP TUV ?
11. L M O R ? ? ?
12. AZ BY CX DW EV ?
13. 1 6 16 31 51 76 ?
14. 1 5 13 25 41 61 ?
15. S M G A U O ? ?
16. 27 125 343 729 1331 ?
17. 1 4 10 19 31 ? ?
18. 4 6 9 14 22 35 ?
19. A C F K R ?
20. E G K Q Y I ?