Test Booklet Code

| 0314 |

NATIONAL TEACHERS COUNCIL

# All India Talent Search Examination - 2014

| **Class - III** |

Time Allowed: 2 Hours                                                      Maximum Mark: 70

This Test Booklet contains 16 pages. Do not open the Test Booklet until you are asked to do so.

**Important instructions**

*1.*    This question paper contains 70 multiple choice questions each of one mark.

2     The question paper is divided into two sections, **A** and **B.**

3.    Section **A** is **S**cholastic **A**ptitude Test (**SAT**), contains 40 questions. This section covers **Environmental Science** and **Mathematics**.

4.    Section **B** is **M**ental **A**bility **T**est **(MAT), C**omputer **A**wareness and **G**eneral **K**nowledge**,** contains 30 questions.

5.    There will be no negative marks for wrong answer.

6.    A separate answer sheet is provided for answering the questions. Each question should be answered by **darkening** the appropriate circle (A, B, C, or D) with a **blue or black ball pen**.

7.    Answer recorded once in the answer sheet cannot be altered.

8.    All rough works should be done only in the space provided for **rough work** in this question paper.

9.    Calculator is not permitted in the examination hall.

10.   Candidate should write his / her name in the space provided for the purpose.

Roll Number            :………………………

Candidates Name     : …………………….

Candidates Signature  :……………………..              ……………………….

                                                 Invigilator's Signature

SECTION: A

## GENERAL SCIENCE (Q No. 1 to 20)

1. Which of the following activity is responsible for gaining energy in living things?

    (A) Exercising and running    (B) Respiration

    (C) Consumption of food    (D) Both (B) & (C)

2. Which organ of our body belongs to both the respiratory and the excretory system?

    (A) Lungs    (B) Skin

    (C) Kidneys    (D) Intestine

3. Bacteria and fungi are living things because

    (A) They can reproduce    (B) They can grow

    (C) They show movement    (D) All of these

4. Which of the following material is obtained from animals?

    (A) Cotton    (B) Wool

    (C) Natural rubber    (D) Plastics

5. Snakes and worms living inside the soil come on to the land during rains. This is because

    (A) They love rains

    (B) The holes and burrows get filled with mud & water

    (C) They get more food on the land during rains

    (D) Soil becomes too cold for them

6. "*I am a big animal. I prefer to sleep through winter. In summer time, I hunt and eat a lot.*" Who am I?

    (A) Rat    (B) Squirrel

    (C) Polar bear    (D) Lion

7.  "***I clean your blood and remove waste from your body.***" Who am I?

(A) Heart                              (B) Kidneys

(C) Intestine                          (D) Skin

8.  What advice would you give to your mother, when she works in the kitchen?

(A) Wear a cotton dress                (B) Wear a rayon dress

(C) Wear a nylon dress                 (D) Wear a silk dress

9.  A student brought a chilled bottle of water to school. It was found that the outer surface of the bottle was wet. This is because

(A) The bottle has large number of small pores

(B) The air around the bottle contains water vapour

(C) Condensation of water vapour on the chilled bottle

(D) Both (B) & (C)

10. Identify the body part **P** in the table given below

| Group I | Group II | Group III |
|---------|----------|-----------|
| Brain | Heart | Stomach |
| Nerves | Arteries | **P** |

(A) Intestine                          (B) Abdomen

(C) Kidney                             (D) Lungs

11. Sunlight helps

(A) Plants for photosynthesis    (B) To give us warmth

(C) In maintaining water cycle   (D) All of these

12. Which one of these is NOT a fossil fuel?

(A) Coal                               (B) Natural Gas

(C) Biogas                             (D) Petroleum

13.    The life process that ensures the continuity of a species on the earth

        (A) Respiration                 (B) Reproduction

        (C) Digestion                   (D) Circulation

14.    Sneha took a small quantity of soil in a jar and poured some water into it. She observed some bubbles coming up from the soil. This observation indicates that

        (A) Water contains air in it

        (B) Water can pass through soil

        (C) Soil contains air

        (D) Soil contains particles of different sizes

15.    A balanced diet consists of

        (A) A diet which protect us from ill health

        (B) A diet which provides energy

        (C) A diet which provides proteins only

        (D) A diet which has all the nutrients

16.    Study the Venn diagram and identify **P**

        (A) Hydrogen

        (B) Oxygen

        (C) Water

        (D) Nitrogen
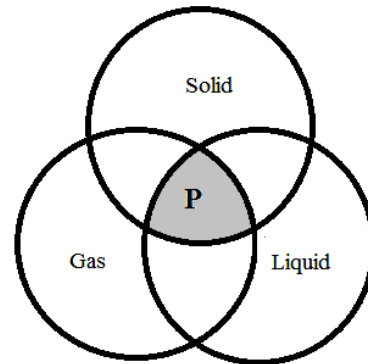
17.    Select the CORRECT statement

        (A) Leaves are the food factory of the plant

        (B) Flowers are attractive but no use to the plant.

        (C) Stems hold the plant firmly to the soil

        (D) Roots transport food to all parts of the plant

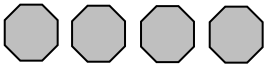18. Which one of the following can replace **P** in the flow chart?

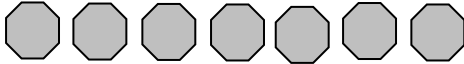| Flower | → | Fruit | → | P | → | Young Plant |

    (A) Bird                   (B) Stem

    (C) Fall                   (D) Seed

19. Webbed feet with special skin between toes are possessed by

    (A) Perching birds         (B) Swimming birds

    (C) Scratching birds       (D) Climbing birds

20. The form of water that we can feel, see and crush is

    (A) Gaseous water         (B) Liquid water

    (C) Solid water           (D) All of these

## MATHEMATICS (Q No. 21- 40)

21. The sum of the largest one digit, two digit and three digit number is

    (A) 999                  (B) 1099

    (C) 1107                (D) 1989

22. The hour hand of a clock is between 4 and 5, and minute hand is at 10. If the minute hand moves from 10 to 3, the time is

    (A) 4:15                (B) 5:15

    (C) 4:50                (D) 5:50

23. Which of the following represents the number, **Forty lakh seven thousand twenty?**

    (A) 4007020          (B) 4070020

    (C) 4007002          (D) 4070200

24. The product of the place values of 3 and 6 in 876231 is

    (A) Eighteen          (B) Eighteen hundred

    (C) Eighty lakh        (D) Eighteen lakh

25. There are two spheres. The weight of first sphere is 12 Kg 15 gram and the weight of second sphere is 9 Kg 120 gram. The total weight of first and second sphere is

   (A) 21.270 Kg                    (B) 21.135 Kg

   (C) 102.270 Kg                   (D) 20.135 Kg

26. 2745 children took part in the Republic Day parade. Of these 1087 were girls. The number of boys participated in the Republic Day parade is

   (A) 1658                         (B) 3832

   (C) 1659                         (D) 1758

27. The edge of a cuboid is a

   (A) Point                        (B) Rectangle

   (C) Line                         (D) Line segment

**Questions 28 to 30:** The pictograph given below shows the number of different coins with Sanju. Study the pictograph given below and answer the questions 28 to 30.

| Coins | Number of Coins ( ⬡ represents 5 coins) |
|-------|------------------------------------------|
| Re. 1 | ⬡ ⬡ ⬡ ⬡ |
| Rs. 2 | ⬡ ⬡ ⬡ |
| Rs. 5 | ⬡ ⬡ |
| Rs. 10 | ⬡ ⬡ ⬡ ⬡ ⬡ ⬡ ⬡ |

28. The number of ten rupees' coin with Sanju is

   (A) 7                            (B) 16

   (C) 35                           (D) 8

29.   Sanju gave all the coins of one rupee and two rupees to a shopkeeper for purchasing a packet of biscuit. The cost of biscuit is

(A) Rs. 35                           (B) Rs. 50

(C) Rs. 7                            (D) Rs. 70

30.   How much more is the total value of ten rupee's coin than five rupee's coin?

(A) Rs. 300                         (B) Rs.5

(C) Rs. 25                          (D) Rs. 250

31.   What fraction of the squares in the figure given below are stars?
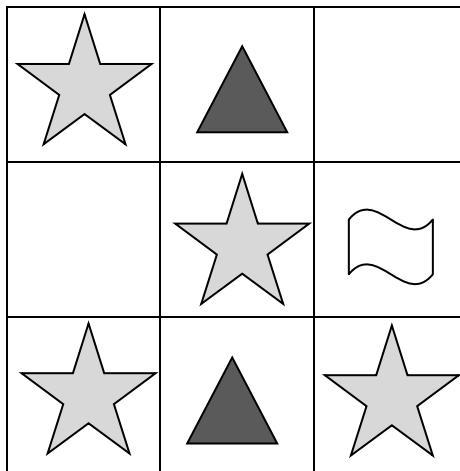


(A) 2/9                             (B) 3/4

(C) 4/9                             (D) 4/7

32.   The expanded form of **9804005** is

(A) 9 X 1000000 + 8 X 100000 + 4 X 10000 + 5 X 1

(B) Nine lakh + Eighty thousand + Four hundred + Five

(C) 9000000 + 80000 + 400 + 5

(D) 9000000 + 800000 + 4000 + 5

33.   Which of the following is greater than 1/8?

(A) 3/8                             (B) 5/8

(C) 8/8                             (D) All of these

**Questions 34 to 35:**  The table given below shows the rate of different fruit juices and ice creams of a cool bar. Study the price chart and answer the questions that follow.

| Items | Rate |
|---|---|
| Mango Juice | Rs. 25.00 |
| Pine Apple Juice | Rs. 20.00 |
| Grapes Juice | Rs. 30.00 |
| Ice-cream (Strawberry) | Rs. 45.00 |
| Ice-cream (Vanilla) | Rs. 40.00 |

34.  Ajay and her sister Smitha went to the Cool Bar. They purchased a Mango Juice and two ice-creams (Vanilla). The total cost for their purchase is

(A) Rs. 65                          (B) Rs. 90

(C) Rs. 105                         (D) Rs. 100

35.  Abhay purchased following items from the Cool Bar and gave Rs.500 to the shopkeeper.

*Five Mango Juices, three Gapes Juices and five ice-creams (Strawberry).*

How much amount did the shopkeeper return to Abhay?

(A) Rs. 60                          (B) Rs.400

(C) Rs. 440                         (D) Rs. 80

36.  Which of the following is NOT equal to the shaded area of the circle?

(A) 1/4

(B) 2/6

(C) 2/8

(D) 3/12

37. If we add 9 tens, 5 hundreds and 3 ones, then the sum is

    (A) 395                 (B) 17

    (C) 953                 (D) 593

38. The heights of two buildings are 17m 90cm and 20m 75cm respectively. What is the difference between the heights of the two buildings?

    (A) 2m 15cm          (B) 2m 85cm

    (C) 1m 85cm          (D) 2m 75cm

39. The difference between the largest 6-digit and 5-digit number is

    (A) 1                    (B) 100000

    (C) 900000           (D) 90000

40. The total hours in 30 days is

    (A) 24 hours          (B) 720 hours

    (C) 72 hours          (D) 1800 hours

## SECTION: B

41. Which tool button is best to apply text within the shape?
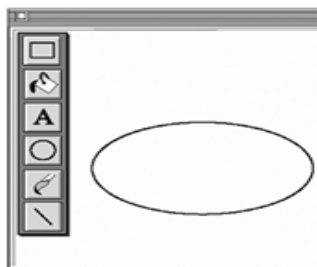


42. ntcate@gmail.com is a:

    (A) IP                 (B) Website

    (C) e-mail address      (D) Software

43. Amitha wants to create a report of your tour of summer vacation. The report has all the details of places with pictures that she visited. Which one of the following application is best suited for her?

A)          B)          C)          D)

44. The key that erases character towards the left is:

A) Back Space     B) Enter

C) Delete     D) Space
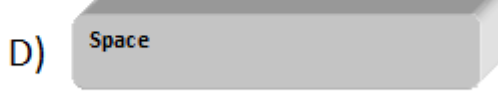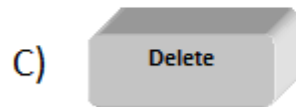
45. Which key combination helps you to undo last action performed?

(A) Ctrl + Y          (B) Ctrl + Z          (C) Ctrl + A          (D) Ctrl + X

46. The following political map shows the area under the control king Ashoka. How many Asian countries were under his control?

(A) 1

(B) 3

(C) 4

(D) 5
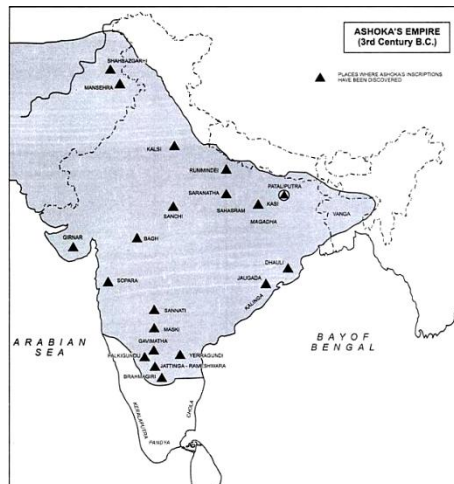
47.   The following picture is best to explain?

        (A) Cultural integrity of India

        (B) History of India

        (C) National Symbols of India

        (D) Environmental relationship



48.   Which one of the following symbols is related to India?



A)      B)      C)      D)

49.   Which one of the following is an agricultural activity?



A)      B)      C)      D)

50.   What is common about the following leaders?
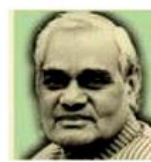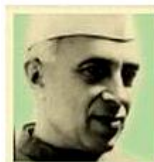


(A) Presidents of India        (B) Prime Ministers of India

(C) Freedom Fighters of India        (D) Leaders of Indian National Congress

51.   Which is the largest continent of the world?

        (A) North America        (B) Europe

        (C) Africa        (D) Asia

52.   The following emblem is related to:

(A) Commonwealth Games

(B) Asian Games

(C) Olympics

(D) National Games of India



53.   Which one of the following statement is TRUE?

(A) India comprises of 29 states and 6 Union Territories

(B) India comprises of 28 states and 5 Union Territories

(C) India comprises of 29 states and 7 Union Territories

(D) Indian comprises of 28 states and 8 Union Territories

54.   Which one of the following is not correctly matched?

(A) Mount Everest -     Highest Mountain

(B) Pacific Ocean  -     Largest Ocean

(C) India          -     Highest Populated country in the world

(D) Russia         -     Largest Country in the world

55.   Identify this continent.

(A) Asia

(B) North America

(C) South America

(D) Africa



56.   Replace the question mark:

| 0 | 1 | 4 | 9 | 16 | 25 | ? |
|---|---|---|---|----|----|---|

(A) 32              (B) 37              (C) 36              (D) 49

57.   Which of the following can replace question mark?

| 2 | | 6 | | 3 | | 7 | | ? |
| 6 | | 3 | | 6 | | 3 | | ? |
| 3 | | 6 | | 3 | | 6 | | ? |
| 5 | | 2 | | 6 | | 3 | | ? |

| 4 | | 2 | | 8 | | 4 |
| 6 | | 6 | | 6 | | 3 |
| 3 | | 3 | | 3 | | 6 |
| 7 | | 5 | | 4 | | 7 |
| A) | | B) | | C) | | D) |

58.   Select the identical shape from the following:

A)
B)
C)
D)
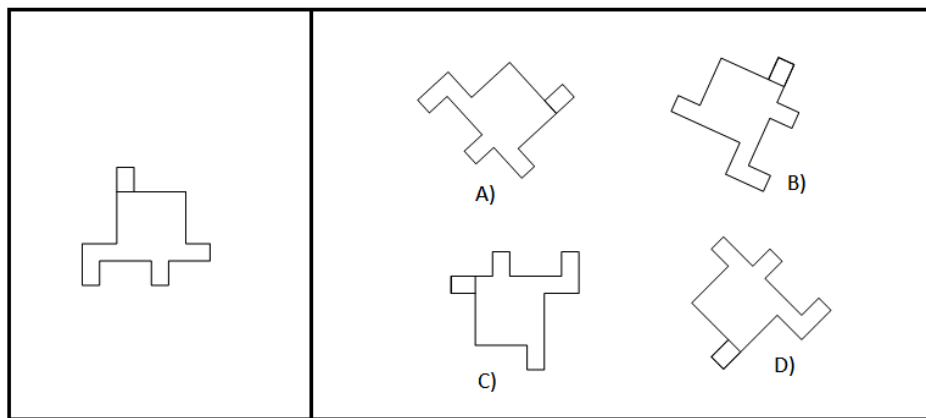
59.   Replace the question mark:

|   | 5 | 2 |    |    |    | 5 | 2 |
|   |   | 3 | 1  |    | 4  | 5 |   |
|   |   |   | 4  | 15 | ? | 3 |   |

     (A) 18              (B) 15              (C) 16              (D) 19

60.   Replace the question mark:

September → November → February → June → ?

A) November
B) October
C) January
D) December

61.     How many circles are in the following picture?

(A) 9

(B) 10

(C) 11

(D) 12
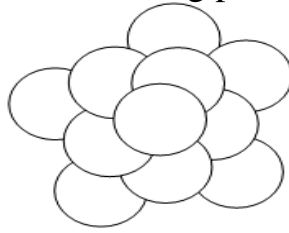
62.     Replace the question mark:
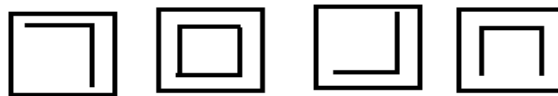


A)        B)        C)        D)

63.     Replace the question mark:



Z    X    V    T    R    ?

(A) P          (B) Q          (C) S          (D) T
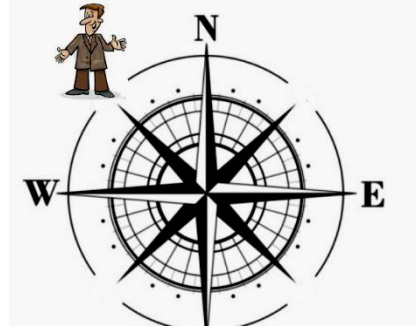
64.     Replace the question mark:
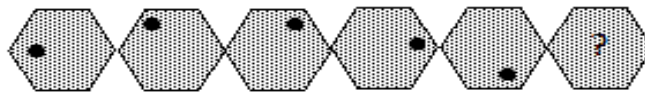


A)        B)        C)        D)

65.     When a number passes through a box, a different number comes out. If 2 goes in 1 comes out, if 10 goes in 5 comes out, if 14 goes in 7 comes out.  If 50 go in, which number will be coming out?

(A) 25                                          (B) 5

(C) 30                                          (D) 40

66.    In the following diagram the person stands:

       (A) North East Direction

       (B) North Direction

       (C) North West Direction

       (D) South West Direction



67.    Replace the question mark:



| TEACHER | = | REHCAET | A) | LOOHCS |
|---------|---|---------|----|--------|
| STUDENT | = | TNEDUTS | B) | LOOCHS |
| SCHOOL | = | ? | C) | LOOCHS |
|  |  |  | D) | SCHOOL |

68.    Which one of the following figure fits the gap?
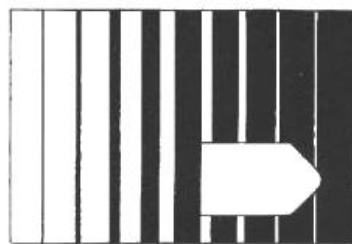


A)      B)      C)      D)
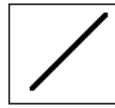
69.    Evening is to **dinner** as is **Morning** to:

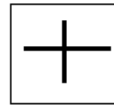       (A) Breakfast           (B) Soup

       (C)  Coffee             (D) Lunch
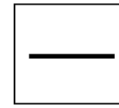
70.    Replace question mark:



## *SPACE FOR ROUGH WORK*