Class – 7th

SECTION-A (REASONING)

1. If 'diamond' is called 'gold', 'gold' is called 'silver', 'silver' is called 'ruby' and 'ruby' is called 'emerald', which is 'golden yellow metal"?

    (a)   Diamond   (b)   silver   (c)   Gold   (d)   Ruby

2. In certain code 'COURT'' is written as 5%@38 and TILE is written as 8©$4. How is CITE written in that code?

    (a)   5$84   (b)   5%84   (c)   5©84   (d)   3©84

3. Choose the word which is least like the other words in the group.

    (a)   Apple   (b)   Carrot   (c)   Orange   (d)   Guava

Direction for Question 4 to 6: Find the messing term in the following series.

4. 4, 9, 16, 25, 36, 49, …?....

    (a)   64   (b)   212   (c)   102   (d)   216

5. 6, 9, 18, 21, 42, 45, ….?,…

    (a)   90 and 91   (b)   90 and 92   (c)   90 and 93   (d)   90 and 94

6. AZ. GT, MN, …?.., YB

    (a)   KF   (b)   RX   (c)   SH   (d)   TS

7. In the series given below, how many 8's are there which are exactly divisible by its immediate preceding as well as succeeding numbers?

    2 8 3 8 2 4 8 2 4 8 6 8 2 8 2 4 8 3 8 2 8 6

    (a)   One   (b)   Two   (c)   Three   (d)   Four

8. Pointing to a photograph, a woman says, "This man's son's sister is my mother". How is the woman related to the man in the photograph?

    (a)   Daughter   (b)   Mother   (c)   Granddaughter (d)   Mother-in-law

9. Umesh goes 30 m South, then turns left and walks 40 m, than again turns left and walks 20 m, then again turns left and walks 40 m. How many metres is he from his original position?

    (a)   0   (b)   10   (c)   20   (d)   40

10.   Insert the missing letter or numerical value in following questions

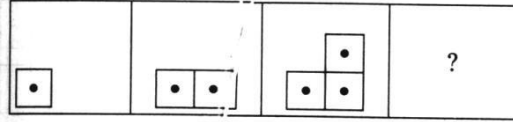   (a)   N   (b)   O   (c)   P   (d)   Q

A	F	K
C	H	M
F	K	?

11. Sixty students were there in a mental ability test. Ten students did not qualify, out of remaining Yogesh ranked 25th from the last. What was his rank from top?
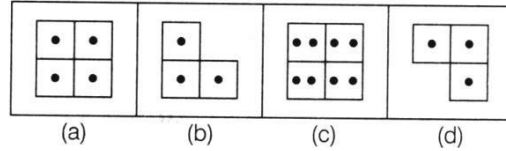
(a)   27th   (b)   26th   (c)   29th   (d)   28th

12. Select a figure from amongst the answer figures which will continue the same series as given in the problem figures.
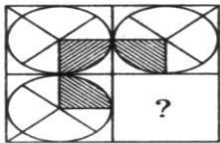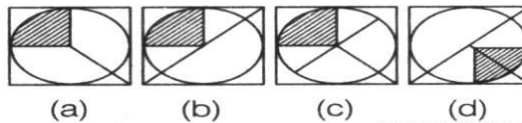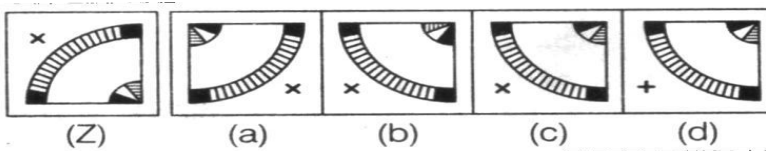
Problem Figures

Answer Figures

(a)   (b)   (c)   (d)

13. Complete the figure

Problem Figure
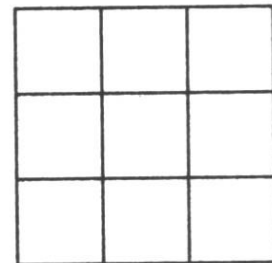

Answer Figures

(a)   (b)   (c)   (d)

14. Choose the correct water image of the figure (Z) from amongst the four alternatives (a), (b), (c) and (d) given along with it

(Z)   (a)   (b)   (c)   (d)

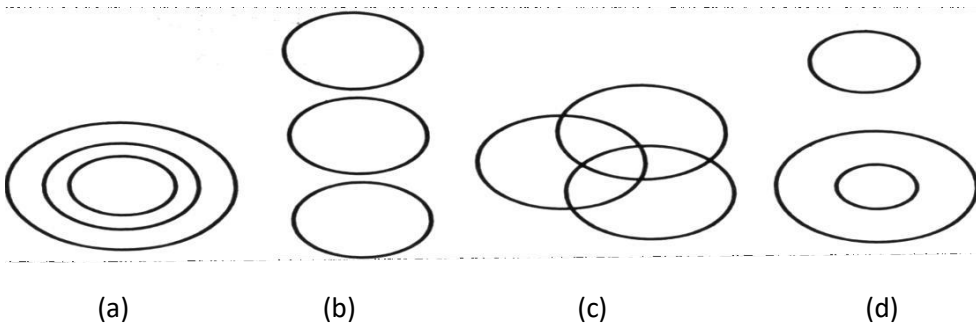15. How many squares are present in the given figures?

(a)   9   (b)   10

(c)   11   (d)   14

16. Which of the following diagrams correctly represents?

Dogs, Cows, Pigeons

(a)   (b)   (c)   (d)

17. Find the odd one from the given series

    2, 3, 5, 7, 9, 13

    (a)   3   (b)   5   (c)   9   (d)   13

18. Arrange the following words in the order as they come in dictionary and find the word that comes first

    (a)   Regular   (b)   Regret   (c)   Register   (d)   Regard

19. In the question the first unit contains two figures and the second unit one figure and a Blank box. Your have to find out which one of the answer figures marked (A) to (D) should be in the blank space.

20. Choose the mirror image of the words given below

    BR4AQ16HI
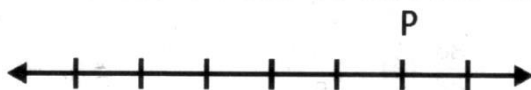   (A) IH9ΓQA4ЯB   (B) IH6ΓQA4ЯB
    (C) IH9ΓQA4ЯB   (D) IH9ΓQA4ЯB

SECTION-B (MATHEMATICS)

21. Simplify : $4\{(3x + 5x) - 2x\} = 18$

    (a) $\dfrac{3}{4}$ (b) $\dfrac{2}{3}$ (c) (c) $\dfrac{4}{7}$ (d) $\dfrac{3}{7}$

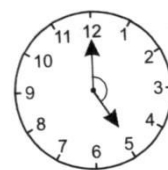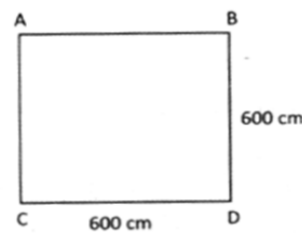22. What fraction does P represents on the number line given below?

    (a) $\dfrac{6}{7}$ (b) $\dfrac{7}{6}$ (c) $\dfrac{7}{11}$ (d) $\dfrac{11}{13}$

23. Find the total weight of the following goods.

Goods	Weights
A music system	15.007 kg
A television set	18.465 kg
Bedding	55.600 kg

    (a)   79.104 kg   (b)   97.505 kg   (c)   89.072 kg   (d)   78.678 kg

24. Find first five consecutive even numbers.

(a) 2, 6, 8, 12, 24 (b) 2, 4, 6, 8, 10 (c) 2, 4, 10, 14, 16 (d) 2, 6, 8, 10, 12

25. Three men are having the money in the ratio of 2 : 3 : 5. Find the amount of money from each of them, if the sum of money is Rs. 5600.

(a) Rs. 1120, Rs. 1680 & Rs. 2800 (b) Rs. 1220, Rs. 1780 & Rs. 3800

(c) Rs. 1020, Rs. 1640 & Rs. 2900 (d) Rs. 3120, Rs. 2680 & Rs. 1800

26. Which one of the following is coefficient of y in the expression $2 - 3y + z$?

(a) 2 (b) 1 (c) -3 (d) -1

27. In the options given below the pair of angles are given. Find the complementary pair.

(a) 51° and 25° (b) 61° and 29° (c) 45° and 55° (d) 65° and 35°

28. Find the area and perimeter of a square whose side is 600 cm.

(a) 36 m², 24 m (b) 15 m² , 6m

(c) 44 m² , 5m (d) 48 m², 6 m

29. The India gate is symmetrical about its how many line (s) of symmetry?

(a) Two (b) One (c) Three (d) Four

30. Expanded form of 37034 is ………………..

(a) 3000 + 700 + 0 + 30 + 4 (b) 30000 + 700 + 0 + 10 + 4

(c) 30000 + 1000 + 0 + 70 + 4 (d) 30000 + 7000 + 0 + 30 + 4

31. Which of the following properties are NOT applicable to the subtraction of whole numbers?

(a) Closure property (b) Commutative property

(c) Associative property (d) All of these

32. The HCF of two numbers is 28 and their LCM is 336. If one number is 112, then the other number is…………

(a) 64 (b) 84 (c) 34 (d) 92

33. The basic elements of a triangle are …………………

(a) 3 vertices (b) 3 sides (c) 3 angles (d) All of these

34. Which angle is shown by the hands of the clock in the given figure?

(a) acute (b) right

(c) obtuse (d) reflex

35. Three equivalent fractions of $\dfrac{2}{3}$ are ………………..

(a) $\dfrac{2}{6}, \dfrac{3}{6}, \dfrac{4}{12}$　　(b) $\dfrac{4}{6}, \dfrac{6}{9}, \dfrac{8}{12}$　　(c) $\dfrac{3}{6}, \dfrac{7}{6}, \dfrac{8}{12}$　　(d) $\dfrac{4}{6}, \dfrac{8}{6}, \dfrac{3}{6}$

36. $2 + \dfrac{1}{100} + \dfrac{3}{1000} =$………..

(a) 0.213 　　(b) 2.13 　　(c) 2.013 　　(d) 2.130

37. The Delhi School's football team washed cars every Saturday for a month to raise money for the local children 's hospital . The students charged Rs. 5 for each car they washed. The pictograph below shows the total number of cars washed by the team. What is the total amount of money raised by the football team?

(a) Rs. 120 　　　　　　　　(b) Rs. 300

(c) Rs.550 　　　　　　　　(d) Rs. 600

Car Wash Fundraiser

Saturday	Number of Cars Washed
1	🚗 🚗 🚗
2	🚗 🚗
3	🚗 🚗
4	🚗 🚗 🚗 🚗 🚗

Key 🚗 = 10 Cars

38. If the area of the rectangle is $16m^2$, then which dimensions may not be possible for rectangle?

(a) Length = 8 m, breadth = 2 m 　　(b) Length = 16 m, breadth = 1 m

(c) Length = 32 m, breadth = $\dfrac{1}{2}$ m 　　(d) Length = 8.5 m, breadth = 2 m

39. In 6 (2a – 1) + 8 = 14, the value of 'a' is ……

(a) -1 　　(b) $3\dfrac{1}{12}$ 　　(c) $\dfrac{4}{10}$ 　　(d)1

40. In a $\triangle ABC$, if 3 $\angle$ A = 4 $\angle$ B = 6 $\angle$ C, then $\angle$A, $\angle$ B and $\angle$ C respectively, are

(a) 70˚, 70˚, 40˚　(b) 80˚, 60˚, 40˚　(c) 60˚, 60˚, 60˚　(d) 75˚, 45˚, 60˚

SECTION - C (SCIENCE)

41. The animal 'Crocodile' belongs from which one of the following categories?

(a) Herbivores 　(b) Carnivores 　(c) Omnivores 　(d) All of these

42. Choose the omnivores from the following.

(a) Tiger shark 　(b) King cobra 　(c) Horse 　(d) Ant

43. Tea leaves are separated from tea using a tea-strainer. This method of separation is known as:

(a)   Distillation   (b)   Decantation   (c)   Filtration   (d)   Loading

44.   Which one of the following is an example of heterogeneous mixture?

     (a)   Milk   (b)   Blood   (c)   Air   (d)   Muddy water

45.   Which one of the following is an example of marine habitats?

     (a)   Ocean   (b)   Seas   (c)   Ponds   (d)   Both (a) and (b)

46.   Lion is an animal which lives in .

     (a)   Desert habitat   (b) Mountain habitat   (c) Grassland habitat   (d) Rain forest habitat

47.   Which type of force is experienced when a south pole of a magnet is bought near the south pole of another magnet?

     (a)   Force of attraction   (b)   Force of repulsion

     (c)   No force is experienced   (d)   Both A and B

48.   The region where strongest force of magnetism is experienced is called:

     (a)   Poles   (b)   Center   (c)   Magnetic field (d)   All of these

49.   A student saw a ball with three shadows and made a few conclusions about how they were formed.

     (a)   The ball was placed between two sources of light.

     (b)   The ball was being rotated under a light source.

     (c)   The ball was placed under a light source at three different positions.

     (d)   Three sources of light from different positions were shown on the ball.

50.   A compass-needle always points to the north as

     (a)   It is made of a magnetic material.

     (b)   It is a magnet with the pointer as the south seeking pole.

     (c)   It is a magnet with the pointer as the north seeking pole.

     (d)   It is an electromagnet that is charged by rubbing when the needle is turning.

51.   Identify the property of copper.

     (a)   Conducts heat (b)   Floats on water (c)   Elastic   (d)   Absorbs water

52.   A solid substance 'X' was placed in the sun for 2 hours. It melted and became a liquid. What could 'X' be?

     (a)   A plastic bucket   (b) A metal spoon   (c) A bar of chocolate   (d) A rubber band

53.   Part of our balance diet which is neither body building nor energy providing but still important for proper functioning of our body is

(a) Protein (b) Carbohydrates (c) Vitamin (d) Fat.

54. Which one of the following is a food producer?

(a) Mushroom (b) Algae (c) Yeast (d) Amoeba

55. Sea food especially seaweeds are rich source of which of the following minerals?

(a) Calcium (b) Phosphorus (c) Iodine (d) Iron

56. Which of the following options contains food obtained from roots of the plant?

(a) Spinach, cabbage, coriander (b) Potato, mango, broccoli

(c) Sugarcane, onion, beetroot (d) Radish, turnip, carrot

57. Cactus plant grows in the desert where there is scarcity of water. To prevent loss of water from the surfaces, leaves are modified to become spines. Then, which part of the cactus plant performs photosynthesis?

(a) Spines (b) Roots (c) Flowers (d) Stem

58. Which of the following statements is/are correct?

(i) The soft substance present inside the bones is called bone marrow.

(ii) Floating ribs are the last three pairs of the ribs that are not joined to the breastbone.

(iii) The only movable bone in skull is the upper jaw bone.

(iv) The longest bone in the body is humerus.

(a) (iii) only (b) (i) only (c) (i) and (ii) (d) (iii) and (iv)

59. A magnet can be made weaker by

(a) Keeping it wrapped in cotton wool (b) Using it as a hammer

(c) Keeping it in a cool room (d) Playing with it

60. You should not store a floppy disk near a magnet because_____.

(a) The magnet will rust (b) The magnet will become weaker

(c) The information in the disk may be erased

(d) The magnet will break the disk

Class:- 7   Holiday (Homework)

SUBJECT- ENGLISH

A.Change into passive voice:-

1) The Government v gb is planning a new road near my house.
2) My grandfather built this house in 1943.
3) Picasso was painting Guernica at that time.
4) The cleaner has cleaned the office.
5) He had written three books before 18 years.
6) John will tell you later.
7) By this time tomorrow we will have signed the deal.
8) Somebody should do the work.
9) The traffic might have delayed Jimmy.
10) People speak Portuguese in Brazil.
11) Everybody loves Mr Brown.
12) They are building a new stadium near the station.
13) The wolf ate the princess.
14) At six o'clock someone was telling a story.
15) Somebody has drunk all the milk!
16) I had cleaned all the windows before the storm.
17) A workman will repair the computer tomorrow.
18) By next year the students will…
19) James might cook dinner.
20) Somebody must have taken my wallet.
21)The grapes are grown in California. →
22)The hamster can be kept in a cage. →
23)The party has already started. →
24)The car is standing at the garage. →
25)The ship has left the harbour. →
26)The police didn't find the robber last week. →
27)The first fast food restaurants were opened in the USA in 1916.
28)The train is going to arrive late. →
29)The search will be stopped because of the storm.
30)The friends have been looking forward to meeting her.
31)Julia rescued three cats.
32)The students handed in the reports.
33)Maria crashed into the blue car.
34)Alex learned the poem.
35)Steven has forgotten the book.
36)The technician has not repaired the DVD recorder.
37)They play handball.
38)Sue puts the rucksack on the floor.
39)The girls had lost the match.
40)The teacher is not going to open the window.
41)The first fast food restaurants were opened in the USA in 1916.
42)The train is going to arrive late. →
43)The search will be stopped because of the storm.
44)The friends have been looking forward to meeting her.

B. CHANGE THE FOLLOWING INTO REPORTED SPEECH:

1. He says, "I shall go to Bikaner."

2. The scientist asked the teacher, "Should I help you?"

3. "Where do you live?" asked the manager.

4. "I will come to Delhi next month," my uncle said.

5. You said to me, "Is your friend loyal?"

6. My father said to me, "Where were you last night?"

7. The teacher said to the students, "The sun rises in the east and sets in the west."

8. My friend said, "Burglars broke into my house last night."

9. Deepak said, "My friend has been singing for two hours."

10. The teacher said, "Two and five make seven."

11. He said to me, "Is your brother unwell?"

12. He says, "I am doing my duty."

13. Jaya said, "I shall succeed in my goal."

14. The owner said to the servant, "Will you come tomorrow?"

15. 16. He said to me, "I know you very well."

17. The fox said to the crow, "I want to listen to your song."

18. I said to him, "My friend will have arrived at his office by now."

19. She said to me, "What are you doing?"

20. He said, "Can I help you under the circumstances?"

21. He said to me, "Can I help you?"

22. Newton said, "Every action has an equal and opposite reaction." He inquired, "When do you intend to pay me?"

23. I said to him, "Were you absent at the festival last week?"

24.Ramesh will say, "I am the owner of this shop."

25. The teacher said, "You have done it correctly."

26. She said to me, "I was waiting for my sister."

27. The thief said to the other thieves, "Where will you be hiding in the jungle?"

28. Mr. John said to Jenny, "What are you doing now?"

29. I said to her, "You should tell everything to your brother."

C. Define all parts of speech .
D. Write five news headline daily covering national, international, health, sports news.
E. Write short paragraph on following topics
1. My first holiday destination   2.janta curfew   3.my dream
4.importance of education   5.Time management   6.my favorite teacher
7. Importance of health and hygiene   8.rainy day

SUBJECT- Science

H·H·W   CLASS-VII   Subject - Science
CHAPTER-1 : The Language of Chemistry

Q-1 Write the symbols of the following elements
1) Zinc   2) Manganese   3) Potassium   4) Calcium   5) Gold
6) Phosphorus 7) Nickel   8) Calcium   9) Lead   10) Neon

Q-2 Find the Valencies of the underlined element
1) $BaCl_2$ 2) FeO 3) Fe_2O_3 4) $CaCO_3$
5) Na_2O 6) $Al(OH)_3$ 7) SO_2 (8) NH_3

Q-3 Define :-
1) Valency   2) Formula   3) Symbol   4) Molecule
5) Compound radical   6) Balanced chemical equation.

Q-4 Write the formula of the following compounds.
1) Nitric acid   2) Ammonia   3) Symbol   4) Molecule
2) Ammonia   3) Sodium carbonate   4) Potassium chloride
5) Hydrogen chloride 6) Magnesium chloride   7) Calcium carbonate

Q-5 Write the Valency/Valencies of the following
1) Hydrogen   2) Carbon   3) Nitrogen   4) Phosphorus
5) Iron   6) Copper   7) Sulphur   8) Lead

Q-6 Balance the chemical equation:
1) $Mg + O_2 \rightarrow MgO$ 2) $N_2 + O_2 \rightarrow NO$
3) $CH_4 + O_2 \rightarrow CO_2 + H_2O$ 4) $NO_2 + H_2O \rightarrow NO + HNO_3$

Q-7 What are the symptoms caused by the covid-19 virus
How does it spread and should you call a doctor?

Subject:- S.St.

1. Explain the following in brief:- Firmans , Cartography , Chronicles , Periodisation
2. Give two examples for each of following:- Chronicles, Turkish buildings, Inscriptions of medieval in India, Secular literature on science.
3. A. Describe with examples the literary source for the study of the medieval India.
4. Explain the important of Cartography as an important source of medieval Indian history.
5. What is meant by periodisation in history ? Why is it done ?
6. Write two main characteristics of the medieval period of India history.
7. State and describe briefly the three phases of the medieval Indian history.

Subject :- Maths

1. Find the difference of the place values of two 5's in 675490501
2. Round nearest to hundred: 471
3. Write the numbers in expanded form: 9087624
4. Write 200 as roman numeral
5. Convert Indian numeral to Roman Numeral: 13
6. Write the numbers in expanded form: 5432098
7. Fill in the blanks: 1 billion = ___ Arab
8. Write the number in words: 86,75,63,411
9. Find the smallest number instantly: 3467, 4356, 4536, 6757
10. Round nearest to hundred: 1456
11. Write 630 as roman numeral
12. Find the difference of the place values and face values of two 7's in 764042
13. Write the numbers in expanded form: 4213270
14. Write the numbers in expanded form: 1452870
15. Convert Indian numeral to Roman Numeral: 5
16. Write the numbers in expanded form: 4213270
17. Write the following in numerals: Six crores, twenty seven lakhs, fifty one thousand, two hundred and seventy six
18. Fill in the blanks: 1 Arab = ___ten crore
19. Convert Indian numeral to Roman Numeral: 10
20. Write the numbers in Indian Place value (put commas in appropriate places): 45783