IMPORTANT INSTRUCTIONS

- The maximum marks are 300. Time allotted is **90 MINUTES.**
- There are four sections in the question paper having total **75 questions:**
  - Section – A : Maths (20 Questions)
  - Section – B : Science (20 Questions)
  - Section – C : English (20 Questions)
  - Section – D : Aptitude (15 Questions)
- Each question carries **4 marks.**
- **Negative Marking : ¼ (One-fourth) mark** will be deducted for every incorrect answer.
- **Use only BLUE / BLACK ball pen to fill the circles in bubble sheet.**
- Use of PENCIL is strictly **not allowed.**
- **Do not use marker or white fluid** to hide the mark.

SECTION – A
MATHS

Choose the correct option.

1) The sum of the face values of all the digits of 749205 is _____.
   a) 27 b) 45 c) 28 d) 74

2) Hundred lakh = _____.
   a) 10 million b) 1 million c) 100 million d) 10 crore

3) Select the INCORRECT option.
   a) 3249 – MMMCCXLIX b) 1667 – MDCLXVII c) 207 – CCXVII d) 499 – CDXCIX

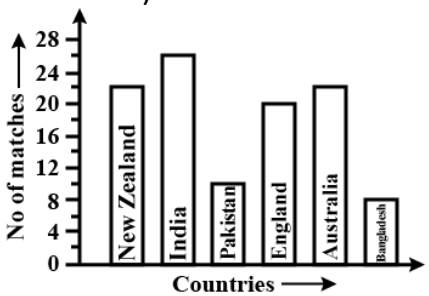
4) Subtract the sum of 7523625 and 2234374 from 61276343.
   a) 15518344 b) 5518344 c) 51518344 d) 5158344

5) The perimeter of a rectangular picture is 160 cm. It is 30 cm wide. How long is it?
   a) $5\frac{1}{3}$ cm b) 50 cm c) 100 cm d) 130 cm

6) On dividing the sum of 3.6 and 0.75 by 5, we get
   a) 14.25 b) 4.35 c) 0.87 d) 0.72

DIRECTION (7– 9):

The given bar graph (fig. 1) shows the number of matches played by different teams. Study the bar graph carefully and answer the following questions.



(fig. 1)

7) Which country played maximum number of matches?

a) New Zealand b) India c) Australia d) Bangladesh

8) How many total matches did India and Bangladesh play?

a) 34 b) 122 c) 38 d) 40

9) How many less matches Pakistan played than Australia?

a) 10 b) 12 c) 14 d) 13

10) Select the CORRECT option.

a) $\frac{29}{7}-\frac{6}{3}=1\frac{1}{7}$ b) $\frac{16}{3}-\frac{7}{6}=4\frac{1}{6}$ c) $\frac{22}{3}-\frac{7}{6}=6\frac{1}{3}$ d) $\frac{22}{5}-\frac{5}{4}=3\frac{3}{10}$

11) Three times a certain number is 36. One – third of that certain number is_____.

a) 4 b) 16 c) 46 d) 110

12) Ram can throw a ball $50\frac{3}{5}$ feet high. Shyam can throw the same ball $48\frac{1}{3}$ feet high. How much farther can Ram throw the ball than Shyam?

a) $2\frac{2}{15}$ b) $2\frac{4}{15}$ c) $2\frac{3}{5}$ d) $2\frac{4}{5}$

13) Which of the following is greatest?

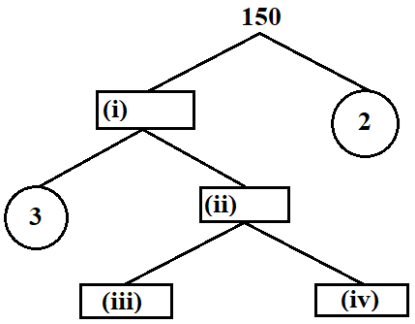
a) XLIII + XLIV b) LXXIX – XXXIX c) XCIX – LXVIII d) LVIII + XL

14) In the year 2005, Maya's age was a multiple of 6. In the year 2009, her age was a multiple of 11. Which of the following is the best guess for Maya's age in the year 2009?

a) 11 years old b) 33 years old c) 22 years old d) 44 years old

15) The following (fig. 2) shows the factor tree of 150. On the basis of factor tree, pick up the correct option from the following that fills in the missing numbers.

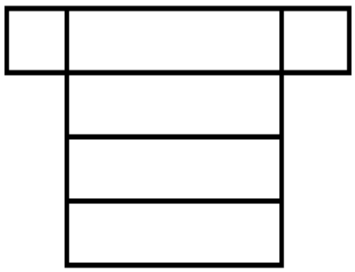
	(i)	**(ii)**	**(iii)**	**(iv)**
a)	25	15	3	5
b)	75	25	5	5
c)	50	10	2	3
d)	148	72	16	4



(fig. 2)

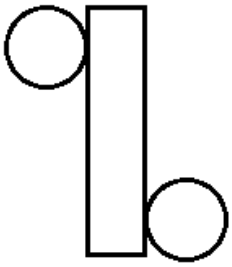
16) Which of the following nets (fig. 3, 4, 5, 6) will fold up to form a cuboid?

a)



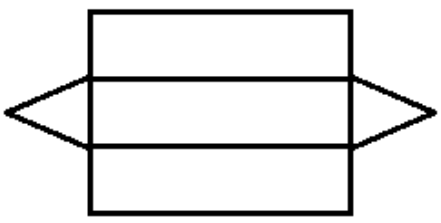
(fig. 3)

b)



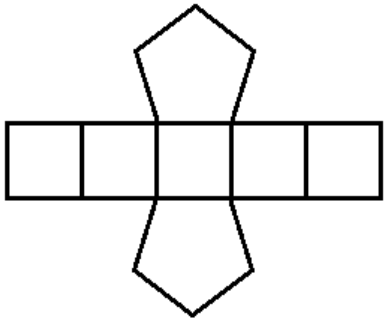
(fig. 4)

c)



(fig. 5)

d)



(fig. 6)

17) Identify the sum of place value and face value of 3 in the numerals 18345?
a) 297 b) 300 c) 303 d) both b and c

18) List the prime factorization of 24.
a) $2 \times 2 \times 2 \times 3$ b) $3 \times 2 \times 4$ c) 3×8 d) 12×2

19) The difference of CCCXLVII and CLXVIII is
a) CLXXIX b) CLXIX c) CLX d) CLX

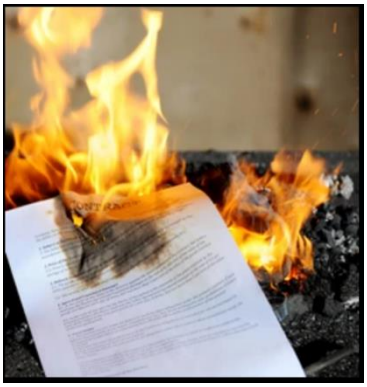
20) I am a two digit odd number, I am a common multiple of 3 and 7 and I have 4 factors, find me?
a) 28 b) 21 c) 10 d) 35

SECTION – B
SCIENCE

Choose the correct option.

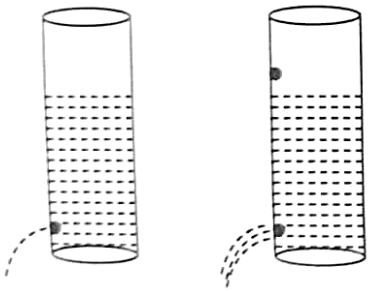
21) The air holes of grasshopper are called_____.
a) grills b) spiracles c) nose d) windpipe

22) See the given (fig. 7) and identify the type of change you observe?
a) Physical Change b) Chemical change
c) None of these d) Both of these



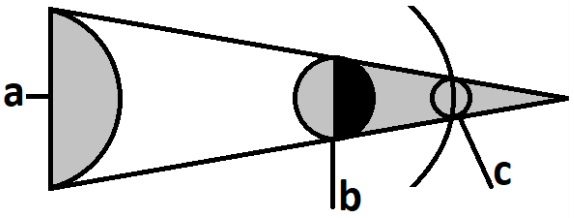
(fig. 7)

23) Refer to the given (fig. 8) experiment.
What can be concluded from the given experiment?
a) Air has weight and occupies space.
b) Air exerts pressure.
c) Air is absent in the can.
d) Air is a mixture of gases.



(fig. 8)

24) Look at the given (fig. 9). It shows lunar eclipse.
Where is the Moon positioned?
a) a b) b
c) c d) none of these



(fig. 9)

25) Raman meets with a road accident. He injured his head as he was not wearing a helmet while riding the motorcycle. After the accident, he was unable to walk because he could not maintain balance. Which part of the brain could have been injured?
a) Cerebrum b) Cerebellum c) Medulla d) None of these

26) A solar eclipse occurs when the _____.

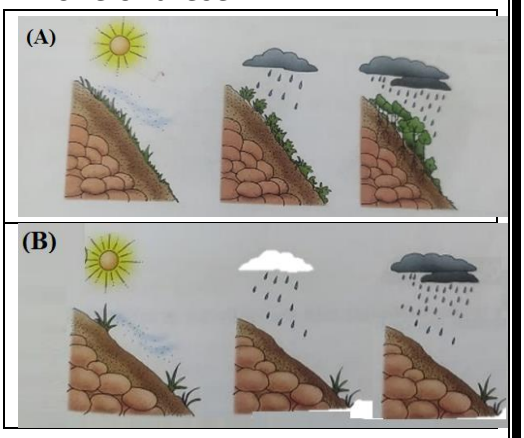
a) moon is in between earth and the sun. b) sun becomes black.

c) earth is in between the sun and the moon. d) none of these.

27) In (fig. 10), analyse the illustration where rainwater affects the same piece of land differently in the situations given below. In which situation does the top-soil gets completely removed?

a) A b) B

c) In both d) None of these



(fig. 10)

28) Plants that produce seeds with two cotyledons are called _____.

a) monocotyledons b) dicotyledons c) tetra cotyledons d) polycotyledons

29) The skull is made up of _____ bones.

a) 20 b) 22 c) 23 d) 25

30) The given (fig. 11) "burdock" has hooks on them. What type of seed dispersal is this?

a) Animal dispersal b) Water dispersal

c) Wind dispersal d) Dispersal by explosion



(fig. 11)

31) Refer the given table showing characteristic of three different objects P, Q and R.

Characteristic	**Objects**		
	P	**Q**	**R**
State	Liquid	Solid	Solid
Floats on water	✗	✗	✓
Transparent	✓	✓	✗
Soluble in water	✓	✗	✗

Select the option that correctly identifies P, Q and R.

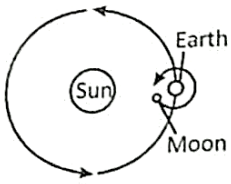
	P	**Q**	**R**
a)	Honey	Iron nail	Iron chair
b)	Vinegar	Glass	Wooden log
c)	Milk	Steel cup	Ice
d)	Coconut oil	Mirror	Salt

32) Match the given columns and select the correct option from the codes given below.

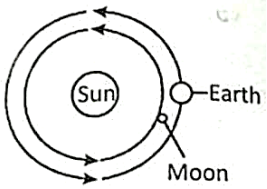
	Nutrient		**Deficiency Disease**		**Symptoms of Disease**
p)	Vitamin A	1)	Goitre	d)	Bones become soft
q)	Vitamin B_1	2)	Night Blindness	e)	A gland in the neck swells up
r)	Vitamin C	3)	Rickets	f)	Patient cannot see in dim light
s)	Vitamin D	4)	Scurvy	g)	Affects the nervous system
t)	Iodine	5)	Beriberi	h)	Bleeding gums

a) p) – 4) – f), q) – 2) – h), r) – 1) – d), s) – 3) – e), t) – 5) – g)
b) p) – 2) – f), q) – 1) – e), r) – 4) – h), s) – 5) – g), t) – 3) – d)
c) p) – 2) – f), q) – 5) – g), r) – 4) – h), s) – 3) – d), t) – 1) – e)
d) p) – 1) – g), q) – 4) – f), r) – 5) – h), s) – 2) – e), t) – 3) – d)

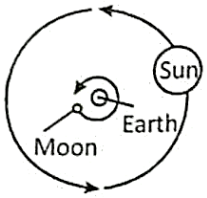
33) In (fig. 12, 13, 14, 15) which of these models best shows the relationship between Earth, Sun and Moon?

a) 

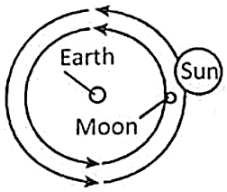
(fig. 12)

b) 

(fig. 13)

c) 

(fig. 14)

d) 

(fig. 15)

34) Which of the following is / are the correct match?
X: Underwater plant – Tape grass and seaweed
Y: Floating plants – Rose and hyacinth
Z: Fixed aquatic plant – Water lily and Lotus
a) only X b) only Y c) both Y and Z d) both X and Z

35) The table given below shows the different states of matter, their properties and examples. Choose the correct option.

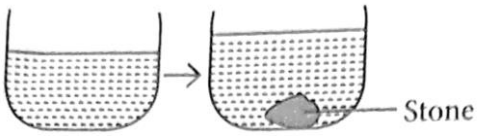
States of Matter	**Properties**	**Example**
P	Has a definite shape and volume	Chair
Liquid	Has a definite volume	Q
R	Has no definite shape or volume	S

a) P – Solid, Q – kerosene, S – water b) Q – Carbon dioxide, R – Gas, S – water
c) P – Solid, Q – Petrol, S – Oxygen d) Q – Book, R – Solid, S – Hydrogen

36) The earth complete one revolution in _____.
a) one hour b) one year c) one day d) one month

37) If there is no sun, the colour of the sky would be _____.
a) blue b) orange c) black d) green

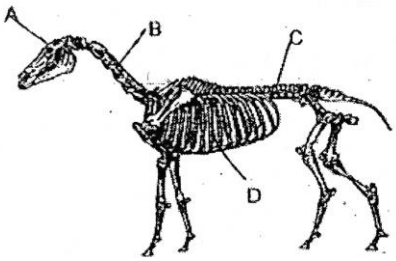
38) In (fig. 16) Rima drops a stone into a trough of water.
She notices that the level of water rises in the trough.
The experiment that Rima has done tells us that the stone _____.
a) has no mass
b) has the same volume as the water
c) has no volume
d) occupies space



(fig. 16)

39) Which among the following organisations is/are involved in disaster management?
a) National Cadet Corps. (NCC) b) World Health Organisation (WHO)
c) Red Cross Society d) All of these.

40) The (fig. 17) shows the skeletal system of a horse
Which part A, B, C or D is similar to the ribcage of the human skeletal system?
a) A b) B
d) C d) D



(fig. 17)

SECTION – C
ENGLISH

Read the text and answer the questions that follow.

In a distant land, hidden from the eyes of ordinary mortals, lies an enchanted forest. As the sun sets, the trees come alive with whispers of ancient tales. The vibrant flowers illuminate the path with their magical glow, leading wanderers deeper into the heart of mystery.

41) What is the main setting of the passage?
a) A bustling city b) A hidden forest c) A sunny beach d) A snowy mountain

42) What happens to the trees in the enchanted forest as the sun sets?
a) They wither away. b) They come alive with whispers.
c) They grow taller. d) They change color.

43) How do the flowers in the enchanted forest contribute to the atmosphere?
a) They emit a foul odor. b) They create a magical glow.
c) They wilt and die. d) They hide in the shadows.

44) What do the whispers in the enchanted forest most likely contain?
a) Shopping lists b) Ancient tales c) Modern gossip d) Scientific facts

45) What is the overall mood of the passage?
a) Dark and mysterious b) Joyful and carefree
c) Busy and crowded d) Quiet and serene

WORD AND STRUCTURE KNOWLEDGE

46) Replace the underlined words with the suitable pronoun from the options given below.
Rohan did not understand a word of what I said.
a) Him b) His c) She d) He

47) The following sentences are divided into four underlined parts marked a), b), c) and d). Choose the part which contains the verb.

I	am	twenty five	years old
a)	b)	c)	d)

48) Rearrange the words to form meaningful sentence.
have / hours / three / been / studying / for / we
a) Three hours been have studying for. b) We have been studying for three hours.
c) We been have studying for three hours. d) Three hours have been for studying we.

49) Fill in the blanks by choosing the correctly spelt word from the given options.
What is the most _____ moment of your life?
a) emmbarrassing b) embarrasseng c) embarrassing d) embairrassing

50) Identify the adverb in the given sentences.
She truthfully answered the police officer's questions.
a) answered b) police c) truthfully d) questions

51) Fill in the blanks by choosing the correct order of adjectives.
What an _____ cup and saucer!
a) amazing, little, old b) old, little, amazing
c) little, amazing, old d) all of these

52) Replace the words underlined in the sentence with the appropriate article from the options given below.
Right now, an Euro is stronger than a dollar. A rupee is still weak.
a) an b) a c) the d) no article

53) Choose the sentence with the correct usage of prepositions.
   a) At least give her credit to trying.
   b) The club encourages participation at sports activities.
   c) There has been a lot of resistance about this new law.
   d) He felt nothing but hatred for this attacker.

54) Combine the given sentences with correct conjunctions.
Ravish scored good marks. Ravish could not get admission in a good college.
   a) Ravish scored good marks and he could not get admission in a good college.
   b) Ravish scored good marks so he could not get admission in a good college.
   c) Ravish scored good marks but could not get admission in a good college.
   d) Ravish could not get admission in a good college because he scored good marks.

55) Identify the tense used in the following sentence.
My boss left for London yesterday.
   a) Simple Present tense
   b) Present Continuous tense
   c) Simple Past tense
   d) none of these

56) Match the sentences with their correct form of tense.

List – I (Sentences)	**List – II (Tense)**
A. She will join a new company next month	1. Present Perfect
B. I will be cooking food for 10 people tomorrow	2. Present Perfect Continuous
C. They have not received any payment for the work	3. Future Continuous
D. He has not been washing his clothes	4. Simple Future

Codes

	A	**B**	**C**	**D**
a)	4	3	1	2
b)	3	1	2	4
c)	3	4	1	2
d)	2	4	1	3

57) Which of the following sentence(s) is/are properly punctuated?
   A. She said, “I do not agree with you.”
   B. Did you do your homework?
   C. I haven’t seen you since ages!
   D. How! what beautiful car it is
   a) only A
   b) A and B
   c) A, C and D
   d) none of these

58) Match the words in List-I with their antonyms given in List-II

List – I	**List – II**
A. Sweet	1. Calm
B. Windy	2. Happy
C. Scared	3. Bitter
D. Upset	4. Confident

Codes

	A	**B**	**C**	**D**
a)	2	1	3	4
b)	3	2	1	4
c)	3	1	4	2
d)	4	3	1	2

59) Choose the sentences with the correct usage of the underlined words i.e. homophones.
   A. If you mix <u>blue</u> and yellow, you get green.
   B. The bomb <u>blue</u> a huge hole in the ground.
   C. A sudden gust of wind <u>blew</u> the door shut.
   D. She handed him a light <u>blew</u> shirt to match with his tie.

60) Choose the correct meaning of the following word.
Garage

a) A place for housing furniture
b) A place for keeping clothes
c) A place for storing pictures
d) A place for housing cars

SECTION – D
APTITUDE

Choose the correct option.

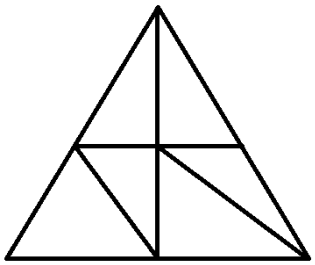
61) Find the measurements of A if B and C are given when A,B,C are the angles of the triangles?
a) A =180-(B+C) b) A=180 +(B-C) c) A=180-C-B d) All of these

62) Which of the given option will complete the given patterns?
2Z5, 7Y7, 14X9, 23W11, 34V13?
a) 27U24 b) 47V14 c) 45U15 d) 47U15

63) If the first and sixth letters in the Word COMPROMISE were interchanged also the second and seventh letters are interchanged and so on, Which letter will be the seventh letter from the right?
a) I b) S c) E d) R

64) If the day before yesterday was Thursday, then what day will be day after tomorrow?
a) Monday b) Sunday c) Wednesday d) Friday

65) Count the number of triangles in the given (fig. 18)
a) 10 b) 13
c) 12 d) none of these



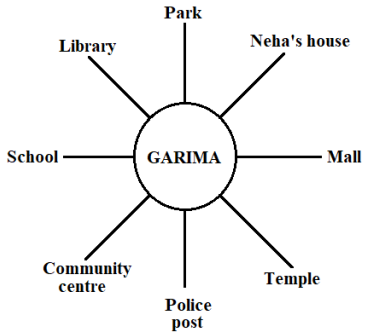
(fig. 18)

66) Find the missing number in given (fig. 19), if a certain rule is followed row or column-wise.
a) 100 b) 140
c) 136 d) 125

3	25	4
7	113	8
6	?	8

(fig. 19)

67) In (fig. 20) Garima is facing the community centre. What will she be facing if she turns 270° clockwise?
a) Mall b) School
c) Temple d) Park



(fig. 20)

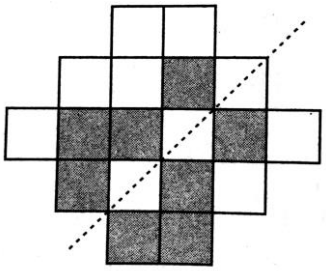
68) 50 hundreds ÷ 5 tens =
a) 1 b) 100 c) 10 d) 1000

69) Wax is related to candle in the same way clay is related to
a) Kite b) Pot c) Paper d) Pen

70) Complete the following analogy. 7 : 50 :: 9 : ?
a) 80 b) 82 c) 90 d) 100

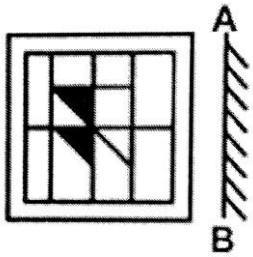
71) How many more squares in the (fig. 21) must be drawn so that the figure becomes symmetrical along the dotted line?

a) 1 b) 3
c) 6 d) 8

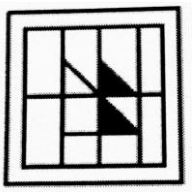
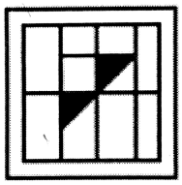
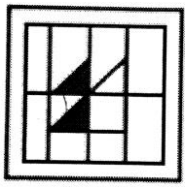
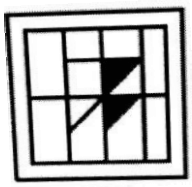


(fig. 21)

72) If a mirror is placed on the line AB, then which of the answer (fig. 22) is the right image of the given figure?



(fig. 22)

a)  b)  c)  d) 

73) What is the missing term in the series given below?

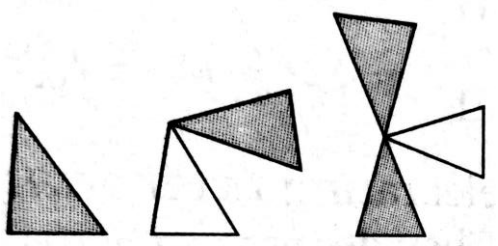
$\frac{2}{3}, \frac{4}{7}, \frac{6}{11}, \frac{8}{15}, ?$

a) $\frac{14}{20}$ b) $\frac{8}{19}$ c) $\frac{10}{19}$ d) $\frac{10}{17}$

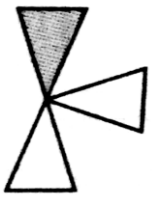
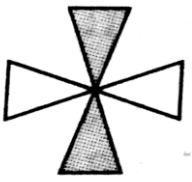
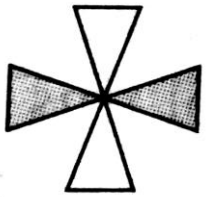
74) If Mumbai is called Gujarat, Gujarat is called Kolkata, Kolkata is called Ranchi, Ranchi is called New Delhi and New Delhi is called Patna, then India gate is situated in?

a) Kolkata b) Ranchi c) Patna d) Gujarat

75) What continues the given sequence (fig. 23)?



(fig. 23)

a)  b)  c)  d) 