IMPORTANT INSTRUCTIONS

- The maximum marks are 300. Time allotted is **90 MINUTES.**
- There are five sections in the question paper having total **75 questions:**
  - Section – A : Maths (20 Questions)
  - Section – B : Science (20 Questions)
  - Section – C : English (15 Questions)
  - Section – D : Aptitude (10 Questions)
  - Section – E : General Knowledge (10 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) Difference between the place value and face value of 9 in the number 1297625 is

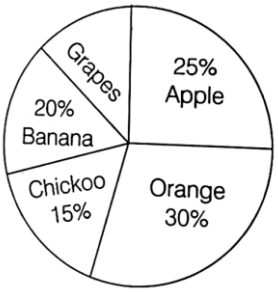
   a) 89100 b) 99991 c) 89991 d) 90001

2) Which of these numbers has the least value?

   a) DCLX b) DCX c) CDXL d) DCXL

3) **Directions: Students of class 5 were asked to choose their favourite fruit. The given pie chart shows their choices.**
   In (fig. 1) what is the ratio of the number of students who choose the most popular fruit to the number of students who choose the least popular fruit?

   a) 5 : 2
   b) 2 : 5
   c) 1 : 3
   d) 3 : 1



(fig. 1)

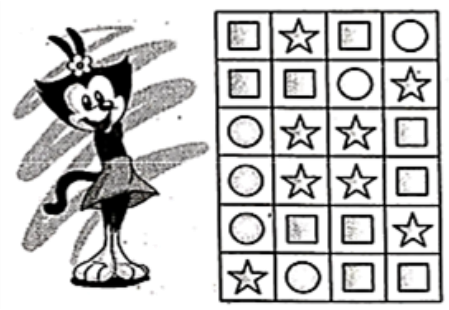
4) In (fig. 2) Pamela drew a picture using different shapes. What part of the picture has stars in it?

a) $\frac{1}{2}$

b) $\frac{1}{3}$

c) $\frac{1}{4}$

d) $\frac{2}{3}$



(fig. 2)

5) Write the decimal $700 + 40 + \frac{5}{10000}$ in standard form.

a) 740.005 b) 704.0005 c) 740.0005 d) 740.5

6) Which of the following is the best estimate of the product 6842×59?

a) 48000 b) 42000 c) 420000 d) 403678

7) If each letter represents a different number, then the number represented by ABCDE in the following operation is

	A	B	C	D	E
				×	4
1	2	3	4	5	6

Codes :

	A	B	C	D	E
a)	3	0	8	6	4
c)	1	2	3	4	5

	A	B	C	D	E
b)	3	1	8	3	9
d)	5	4	3	2	1

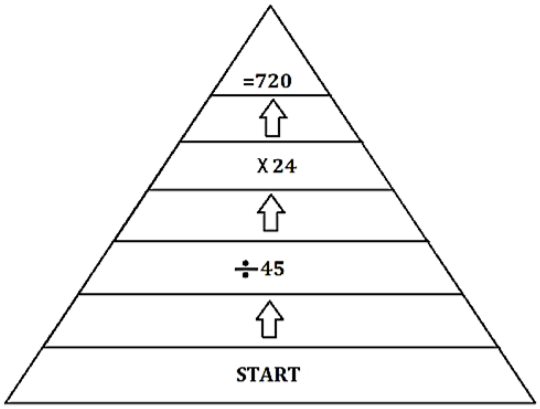
8) In (fig. 3) which number will come in the start box to have a meaningful proceedings?

a) 360

b) 384

c) 1350

d) 1.50



(fig. 3)

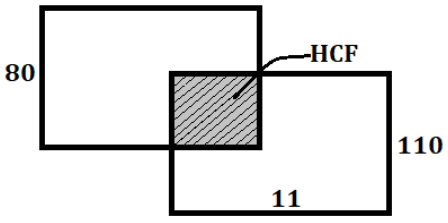
9) In (fig. 4) The prime factors of 80 and 110 are shown by the following rectangles. The common area between the two rectangles will have _____.

a) 2×5

b) 5×11

c) $2 \times 5 \times 11$

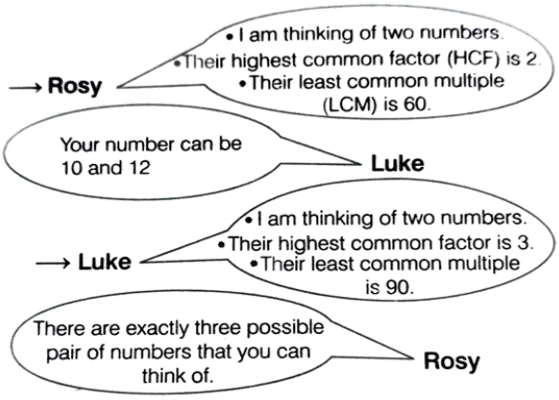
d) 11×2



(fig. 4)

10) In (fig. 5) Rosy and Luke are playing a game called "Guess my numbers".
Who gave the correct answer to the other questions?

a) Rosy
b) Luke
c) Both (a) and (b)
d) None of these



(fig. 5)

11) I am a decimal number. My decimal part is 3 less than $\left[\frac{1}{4}\ of\ 32\right]$ and my whole part is 2 more than $\left[\frac{2}{5}\ of\ 20\right]$. What am I?

a) 10.8 b) 10.05 c) 10.5 d) 8.8

12) Fill in the blanks and choose the correct option

i)	proper	ii)	like	iii)	$+\frac{5}{4}$	iv)	$-\frac{3}{7}$
v)	0	vi)	improper	vii)	unlike	viii)	$\frac{-4}{5}$

I. $\frac{16}{13}$ is a/an _____ fraction.

II. The multiplicative inverse of $\frac{4}{5}$ is _____

III. The fractions having different denominators are called _____ fractions.

IV. The additive inverse of $\frac{3}{7}$ is _____

Codes :

	I	**II**	**III**	**IV**		**I**	**II**	**III**	**IV**
a)	vi)	viii)	ii)	iv)	b)	i)	viii)	vii)	v)
c)	i)	iii)	ii)	v)	d)	vi)	iii)	vii)	iv)

13) Ms. Hendrick's 5th grade class collected 2803 waste papers to recycle in one month and 3745 waste papers the next month. She estimated the total number of papers for both months by adding 3000 and 4000. Would her estimate be more or less than the actual answer?

a) Less, because she rounded both numbers up
b) More, because she rounded both numbers up
c) Less, because she rounded both numbers down
d) More, because she rounded both numbers down

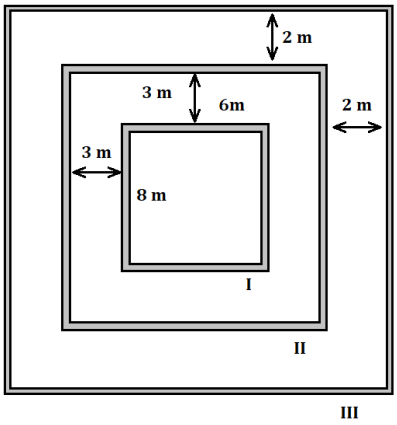
14) **Match the column:**

	Column I		**Column II**
A	LXXXVIII	(1)	39
B	XCVIII	(2)	69
C	LXIX	(3)	160
D	CLX	(4)	98
E	XXXIX	(5)	88

a) A – (4), B – (5), C – (2), D – (3), E – (1) b) A – (5), B – (4), C – (2), D – (3), E – (1)
c) A – (2), B – (1), C – (5), D – (3), E – (4) d) A – (1), B – (2), C – (5), D – (4), E – (3)

15) In (fig. 6) Susan, Laden, John run on different tracks of a rectangular field. If the dimensions of the tracks are given below, then what is the difference between the length of boundary of track III and track I? (neglecting the width of the back)

a) 68 m
b) 40 m
c) 24 m
d) 16 m



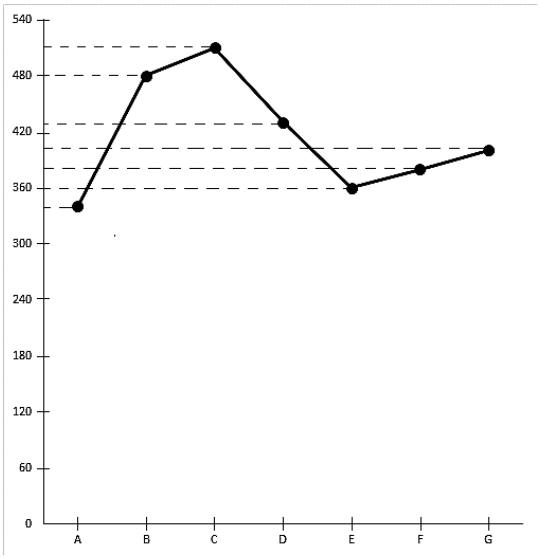
(fig. 6)

16) It takes Jinny $\frac{5}{6}$ h to walk to the ground and $\frac{1}{4}$ h to walk from the playground to school. How much time does it takes Jinny to walk to the playground and then to school?

a) $\frac{12}{19}$ h b) $1\frac{1}{13}$ h c) $1\frac{1}{12}$ h d) $\frac{12}{13}$ h

17) In (fig. 7) the line graph shows the number of students participated in sports of 7 different schools. Study the graph carefully and answer the following question:
How many less students participated from school B than school D and G?

a) 420
b) 440
c) 380
d) 360



(fig. 7)

18) Magret joined three activities i.e. singing, dancing and drawing.

I. She went for singing class once in every 3 days.
II. She went for dancing class once in every 4 days.
III. She went for drawing class once in every 6 days.

In (fig. 8) the calendar shows that Margret did all the activities on Monday 5th. On which day will Margret again do all three activities on the same day?

a) 12th, Monday b) 17th, Saturday
c) 21st, Wednesday d) 30th, Friday



(fig. 8)

19) Find the area of the floor whose perimeter is 74 m and length is 25 m.

a) 250 m^2 b) 128 m^2 c) 300 m^2 d) 310 m^2

20) The (fig. 9) shows different angles mode by joining the lines then which of the following statement is true regarding angles.

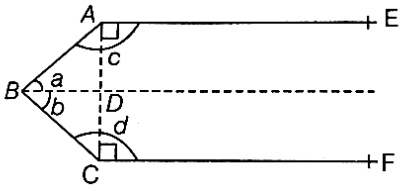
I. Only angles a and b are acute angles.

II. There is no right angle in the given figure.

III. $\angle c$ and $\angle d$ are obtuse angles.

a) I, II b) II, III

c) I, III d) Only II



(fig. 9)

SECTION – B
SCIENCE

21) In case of heart stroke, what should be done immediately?

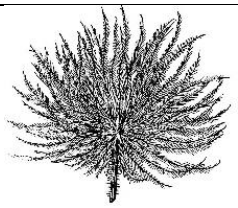
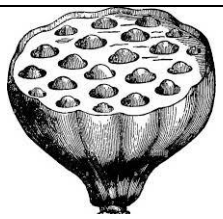
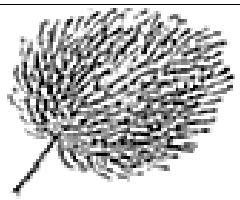
a) Cover the patient with any cloth, preferably with woollen cloth.

b) Give the patient a solution of salt, sugar and lime or preferably juice of an unripe mango.

c) Make the patient lie down in a sunny place.

d) Call a doctor or go to the hospital.

22) Which of the following figure shows the correct match of seed and its mode of dispersal?

	Column I		**Column II**
A.		(1)	Animal
B.		2.	Water
C.		3.	Explosion
D.		4	Wind

a) A – (1), B – (2), C – (3), D – (4) b) A – (4), B – (4), C – (2), D – (3)

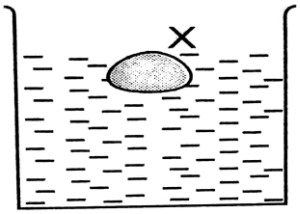
c) A – (2), B – (1), C – (4), D – (3) d) A – (1), B – (2), C – (4), D – (4)

23) _____ is the tool used for sowing seeds in agriculture.

a) Hoe b) Plough c) Seed drill d) Shovel

24) Refer to the given (fig. 10). The rock X can be _____.

a) Granite
b) Pumice
c) Marble
d) Shale



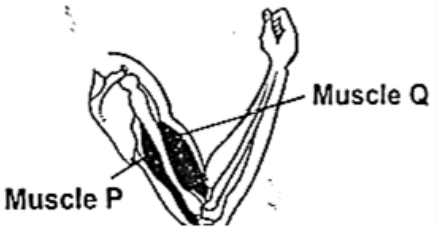
(fig. 10)

25) Select the method that prevents soil erosion by water.

a) Terrace farming b) Wind breaks c) Embankments d) Both a and c

26) Refer to the given (fig. 11) and select the correct statement.

a) When muscles P and Q relax, arm moves down.
b) When muscles P and Q contract, arm moves up.
c) When muscle P contracts and muscles Q relaxes, the arm moves up.
d) When muscle P relaxes and muscles Q contracts, the arm moves up.

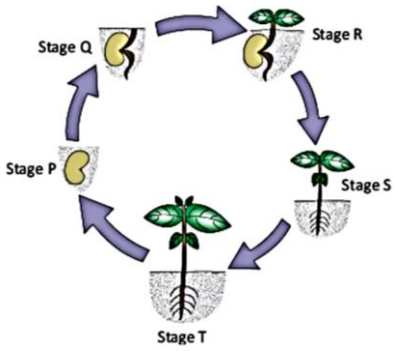


(fig. 11)

27) The given (fig. 12) shows the life cycle of a plant.
Which of the following statements are true regarding it?

i) Sunlight is not needed at stage Q.
ii) Photosynthesis takes place only at stage R and S.
iii) Stage P is not affected by what happens at stage T.
iv) The seed at stage P needs air, water and warmth to reach stage Q.

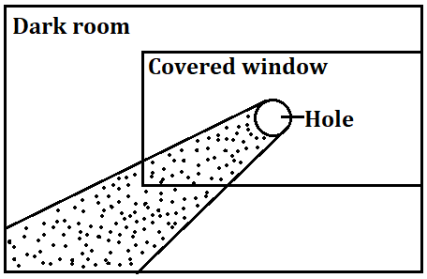
a) ii) and iv) only b) ii) and iii) only
c) i), ii) and iii) only d) i), ii), iii) and iv)



(fig. 12)

28) The given (fig. 13) shows that air _____.

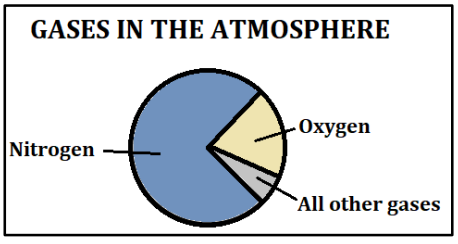
a) has mass
b) occupies space
c) contains dust
d) gives shape to things



(fig. 13)

29) Which of these is the most accurate description of air, based on the pie-chart (fig. 14)?

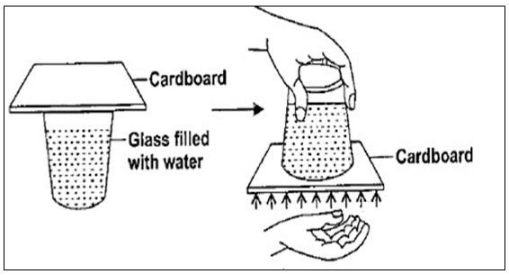
a) Two thirds nitrogen, two-thirds oxygen and one-tenth other gases.
b) Three-quarters oxygen and one-third nitrogen and other gases.
c) One-half nitrogen and one-half oxygen and other gases.
d) One-fifth oxygen and four-fifths nitrogen and other gases.



(fig. 14)

30) In (fig. 15) take a glass and fill it with water up to the brim. Make sure that there are no air bubbles. Take a thick, stiff piece of cardboard and put it over the glass. Place your hand over the card and quickly turn the glass upside down. Now slowly remove your hand.
What does this experiment show?

a) Air occupies space
b) Air exerts pressure
c) Air has weight
d) All of these



(fig. 15)

31) When oxides of nitrogen and Sulphur react with water vapour in the air they cause _____.

a) Ozone depletion
b) Global warming
c) Acid rain
d) Oil spill

32) Man carries out deforestation to provide space for buildings and farms. Some also cut down trees to provide wood for furniture and paper manufacturing. Which of the following would possibly result from the above activities?

i) Top soil erosion may occur.
ii) Some animals may become extinct.
iii) There may rise a problem of global warming.
iv) Some possible sources of natural drugs to cure disease may be lost.

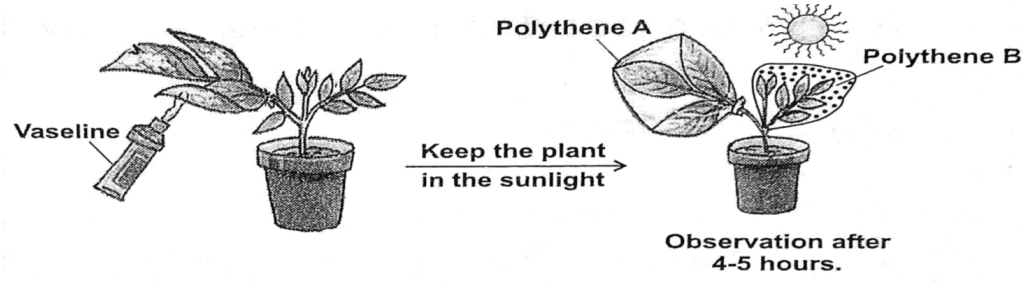
a) (i) and (ii) only
b) (iii) and (iv) only
c) (i), (ii) and (iii) only
d) (i), (ii), (iii) and (iv)

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

	Nutrient		**Deficiency disease**		**Symptoms of disease**
p.	Vitamin - A	1.	Goiter	a.	Bones become soft
q.	Vitamin - B_1	2.	Night blindness	b.	A gland in the neck swell up
r.	Vitamin - C	3.	Rickets	c.	Patient cannot see in dim light
s.	Vitamin - D	4.	Scurvy	d.	Affects the nervous system
t.	Iodine	5.	Beri beri	e.	Bleeding gums

a) p-4-c, q-2-e, r-1-a, s-3-b, t-5-d
b) p-2-c, q-1-b, r-4-e, s-5-d, t-3-a
c) p-2-c, q-5-d, r-4-e, s-3-a, t-1-b
d) p-1-d, q-4-c, r-5-e, s-2-b, t-3-a

34) Ravi took a potted plant. He applied Vaseline on both sides of some leaves and wrapped them in polythene A while he wrapped some leaves in polythene B without applying Vaseline and kept the set-up in sunlight as shown in the (fig. 16)



(fig. 16)

Select the correct statement regarding it.

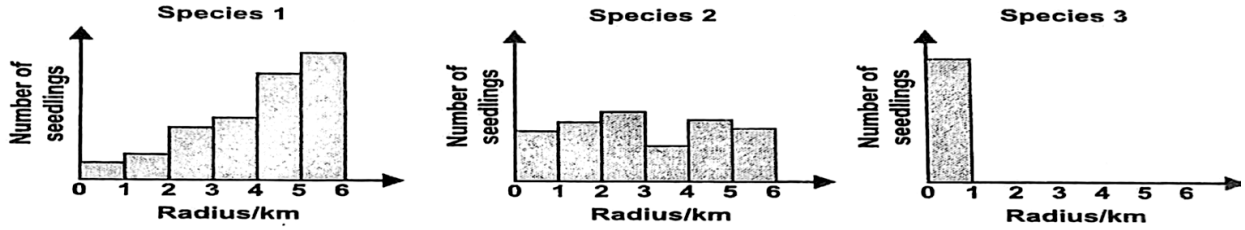
a) He applied Vaseline as he wants to study transpiration in plants.

b) He kept plant in sunlight because higher temperature favours transpiration.

c) Water released by leaves through transpiration in polythene B turns into water droplet by condensation

d) All of these

35) In (fig. 17) three different species of plants were selected by scientists who wanted to document their methods of seed dispersal. The graphs below show the approximate number of seedlings found at various radii around the parent plant.



(fig. 17)

What are the correct methods of seed dispersal of each plant?

	Species 1	**Species 2**	**Species 3**
a)	Water	Explosion	Animal
b)	Wind	Animal	Water
c)	Wind	Animal	Explosion
d)	Explosion	Water	Animal

36) In (fig. 18) the U-tube shown below is immersed in ice water. X and Y are the red ink droplets present inside the tube.

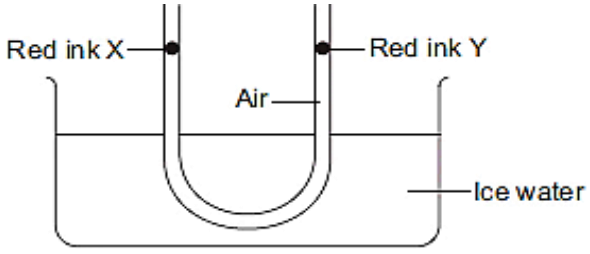
What will you observe after some time?

a) X will move downwards and Y will move upwards.

b) X will move upwards and Y will move downwards.

c) X and Y will move upwards.

d) X and Y will move downwards.



(fig. 18)

37) A large area of forest was destroyed completely by forest fire. Which of the following statements hold (s) true regarding it?

i) More soil will be eroded as the soil is not protected by trees from wind and rain

ii) The land will have more fresh air as there are lesser trees to take in oxygen.

iii) Wildfire will inhabit the cleared area because more space is available now.

iv) New trees will grow quickly to replace the burnt ones as the ash of the burnt trees will make the soil more fertile.

a) (i) only

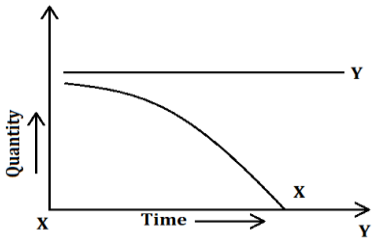
b) (i) and (iv) only

c) (i), (ii), and (iv) only

d) (i), (ii), (iii) and (iv)

38) Scientists were studying two types of hospital waste, X and Y for their disposal and their effect on environment. They plotted a graph showing change in their quantities over time, when dumped in an open field. Refer to the given graph (fig. 19) and select the option that correctly identifies X and Y.

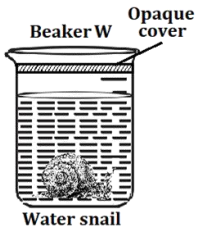
	X	**Y**
a)	Syringes	Cotton swabs
b)	Cotton bolls	Broken scalpels and plastic waste
c)	Broken scalpels	Syringes
d)	Medicines	Cotton swabs

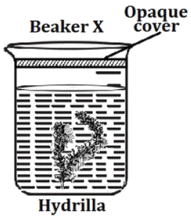


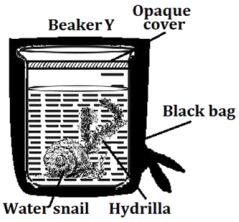
(fig. 19)

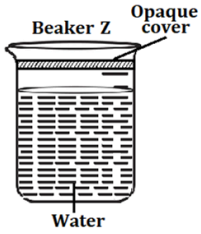
39) Four identical beakers, W, X, Y and Z, were set up as shown below and placed under sunlight for a day.

In which beaker will the concentration of carbon dioxide be the highest?

a) 

b) 

c) 

d) 

40) The (fig. 20) P and Q represents the movement of two types of joints in our body.

Select the incorrect statement about the joints represented.

a) Joint P is found between our backbone and skull.

b) Joint Q is found between the bones of our wrist and ankles.

c) Joint P's movement can be compared to the movement of a joystick on computer.

d) All of these



(fig. 20)

SECTION – C
ENGLISH

Read the text and answer the questions that follow.

Papaya is a healthy fruit with a list of properties that is long and exhaustive. You can munch on it as a salad, have it cooked or boiled, or just drink it up as a milkshake or juice. Papaya has many virtues that can contribute to our good health. The most important of these virtues is the protein- digesting enzyme it has. The enzyme is similar to pepsin in its digestive action and is said to be so powerful that it can digest 200 times its own weight in protein. It assists the body in assimilating the maximum nutritional value from food to provide energy and bodybuilding materials.

Papain in raw papaya makes up for the deficiency of gastric juice and fights excess of unhealthy mucus in the stomach and intestinal irritation. The ripe fruit, if eaten regularly corrects habitual constipation, bleeding piles and chronic diarrhoea. The juice of the papaya seeds also assists in the above-mentioned ailments. Papaya juice, used as a cosmetic, removes freckles or brown spots due to exposure to sunlight and makes the skin smooth and delicate. A paste of papaya seeds is applied in skin diseases like those caused by ringworm.

The black seeds of the papaya are highly beneficial in the treatment of cirrhosis of the liver caused by alcoholism, malnutrition, etc. A tablespoonful of its juice, combined with a hint of fresh lime juice,

should be consumed once or twice daily for a month. The fresh juice of raw papaya mixed with honey can be applied over inflamed tonsils, for diphtheria and other throat disorders. It dissolves the membrane and prevents infection from spreading.

41) One of the most important virtue that a papaya has is _____.
   a) black seeds
   b) protein digesting enzyme
   c) papain
   d) juice

42) Papaya can be consumed as _____.
   a) salad
   b) milkshake or juice
   c) cooked or boiled
   d) all of these

43) What is a ripe papaya fruit beneficial for?
   a) Constipation
   b) Bleeding piles
   c) Chronic diarrhoea
   d) All of these

44) Which cosmetic properties can be found in a papaya?
   a) It makes the skin smooth and delicate.
   b) It cures all skin diseases.
   c) It makes the skin dull, dusky and shiny.
   d) It treats pimples and acne.

45) The fresh juice of raw papaya mixed with honey can be used _____.
   a) to remove freckles or brown spots
   b) in the treatment of cirrhosis of the liver caused by alcoholism, malnutrition, etc.
   c) over inflamed tonsils, for diphtheria and other throat disorders
   d) to cure skin diseases like those caused by ringworm

WORD AND STRUCTURE KNOWLEDGE

46) Choose the correct synonym of the given word “Industrious”.
   a) Intelligent b) Reserved c) Hardworking d) Clever

47) Choose the most suitable word and structure knowledge.
   Teacher: You haven't finished your homework.
   Student: I would like to _____ for it.
   a) sorry b) apologise c) apologising d) admit

48) Choose the option with correct spelling.
   How do you spell the word that means 'to be careful'?
   a) Cautiaus b) Coutious c) Cautious d) Cowtious

49) Choose the part of the sentence that has an error.
   When I was ill, I sleep a lot whenever I could.
   a) When I was ill, b) I sleep c) a lot whenever d) I could.

50) Which of the following sentence (s) is/are properly punctuated?
   a) i love reading books, especially mystery novels.
   b) I love reading books especially, mystery novels.
   c) I love reading books; especially mystery novels.
   d) I love reading books, especially mystery novels.

51) Choose the most suitable option to complete the conversation.
   Shelly: We can't go out. We've _____ to look after the kids.
   Joseph: Don't worry. I already found a babysitter.
   a) nothing b) someone c) no one d) everyone

52) Choose the correct antonym of the given word “Inimical”.
   a) Hostile b) Ill c) Adverse d) Assisting

53) Choose the correct option with correct spelling.
   How do you spell the word that means a thing which is extremely funny?
   a) Hilarious b) Heelarious c) Hiliairius d) Helarious

54) Identify the correct type of adjective used in the given sentence.
Which car should I gift to my father?
a) Interrogative adjective b) Demonstrative adjective
c) Adjective of quality d) Distributive adjective

55) Choose the correct option to fill in the blank.
My teacher says, "I am very good at painting." My teacher _____.
a) said that she were very good at painting b) says that she is very good at painting
c) says that she was very good at painting d) says that you are very good at painting

SECTION – D
APTITUDE

56) Choose the alternative which will complete the second pair in the same way as the first pair.
TPQ : WQV :: PLM
a) SMR b) RST c) QMT d) TNQ

57) Which would be a meaningful order of the following?
1. Consultation 2. Illness 3. Doctor 4. Treatment 5. Recovery
a) 4,3,1,2,5 b) 2,3,4,1,5 c) 2,3,1,4,5 d) 4,1,5,3,2

58) In a row of girls, Emily is ninth from the left and Hari is tenth from the right. When they interchange their positions, then Emily will be nineteenth from the left. What will be Hari position from the right?
a) 20^{th} b) 19^{th} c) 18^{th} d) 21^{st}

59) It is 6 : 15 in a clock. If hour hand points west, in which direction the minute hand is?
a) East b) West c) North d) South

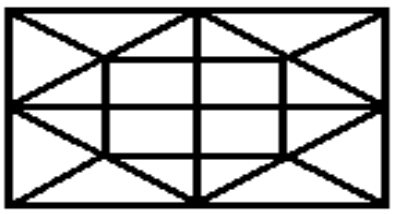
60) If 'M' means '÷', 'R' means '+', 'T' means '–' and 'K' means '×', then what will be the value of the following expression 40 R 32 K 10 M 20 T 16 = ?
a) 85 b) 40 c) 90 d) 95

61) In the given (fig. 21) clock, if the minute hand rotates 270° anti-clock wise, then in which direction will it point?
a) North - East
b) South - East
c) East
d) North - West



(fig. 21)

62) Count the number of triangles in the given (fig. 22)
a) 36
b) 38
c) 34
d) 40


(fig. 22)

63) If 'apple' is called 'jelly', jelly is called 'banana', 'banana' is called 'green', 'green' is called 'carrot' and 'carrot' is called 'mango', then what is the colour of leaf ?
a) Green b) Carrot c) Banana d) Apple

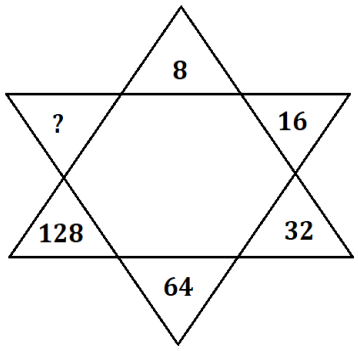
64) Study the pattern of alphabets printed on the following piece of paper.
How many alphabets will be there in row 10?

Row	Numbers
1	D
2	E F G
3	H I J K L
4	M N O P Q R S
5	T U V W X Y Z A B

a) 18 b) 19 c) 20 d) 21

65) In (fig. 23) identify the number which replaces the question mark (?)

a) 256
b) 512
c) 4
d) 74



(fig. 23)

SECTION – E
GENERAL KNOWLEDGE

66) When was the Battle of Plassey fought?
a) 1857 b) 1757 c) 1761 d) 1859

67) When is World Health Day observed?
a) 22 April b) 30 April c) 3 April d) 7 April

68) Ozone layers lie in _____
a) Stratosphere b) Troposphere c) Hemisphere d) Exosphere

69) What is the capital city of Australia?
a) Sydney b) Melbourne c) Canberra d) Perth

70) Which of the following is used in pencils?
a) Silicon b) Charcoal c) Graphite d) Phosphorous

71) India's longest river bridge will be constructed on river Brahmaputra (around 19 km long), connecting _____ & _____
a) Assam and Arunachal Pradesh b) Assam and Tripura
c) Assam and West Bengal d) Assam and Meghalaya

72) Which Indian Hockey player won the FIH Player of the Year for 2024?
a) Sukhjeet Singh b) Harmanpreet Singh
c) Shamsher Singh d) Akashdeep Singh

73) Which country has launched the European Space Agency's Proba-3 mission?
a) India b) China c) USA d) Russia

74) How many medals were won by India at the 2024 Paris Paralympics?
a) 15 b) 20 c) 25 d) 29

75) Recently, where was the "4th Akhil Bharatiya Rajbhasha Sammelan" organized?
a) Chennai b) Jaipur c) New Delhi d) Bhopal