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CLASS
7

DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

Total Questions : 50 Time : 1 hr.

Name :

SOQ Roll No. : Contact No.:

Guidelines for the Candidate

1. You will get additional 10 minutes to fill up information about yourself on the OMR sheet before the start of the exam.
2. Write your Name, Class & Roll Number clearly on the OMR sheet and do not forget to sign it. We will share your marks / result and other information related to SOQ exams on your mobile number.
3. The question paper comprises three sections:
Section - 1 : Physics & Chemistry (25Q). Section - 2 : Biology (15Q.)
Section - 3 : Achiever's Section (10Q.)
4. All questions are compulsory. There is no negative marking. Use of calculator is not permitted.
5. There is only ONE correct answer. Choose only one option for an answer.
6. To mark your choice of answer by darkening the circle on the OMR sheet, use black ball point pen only.
E.g.

Q.16. In the water cycle condensation is the process of

- A. Water vapour cooling down and turning into liquid B. Ice warming up and turning into a liquid
C. Liquid cooling down and turning into ice D. Liquid warming up and turning into water vapour

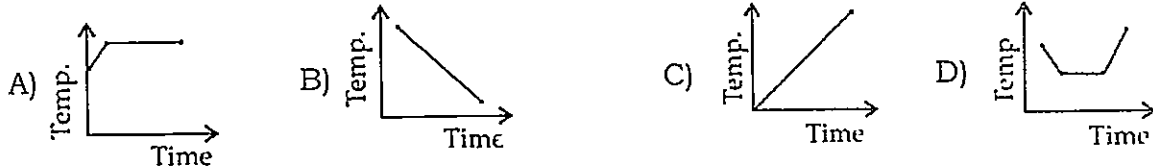
As the correct answer is option A, you must darken the circle corresponding to option A on the OMR sheet as shown in the figure

16. ● ○ ○ ○

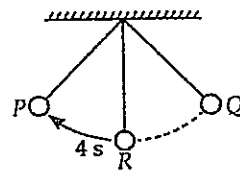
7. Rough work should be done in the blank space provided in the booklet
8. Return the OMR sheet to the invigilator at the end of the exam.

SECTION - I - PHYSICS & CHEMISTRY

- 1) A coin is dipped in the molten wax in a glass tube. If we heat the upper part of the glass tube, the wax around the coin will not melt because
- A) wax has a very high melting point
 B) wax is a good conductor of heat
 C) glass is a good conductor of heat
 D) air and glass are bad
- 2) A pot full of water is put to boil on the stove. Which one of the graphs shows the correct change in temperature over time?



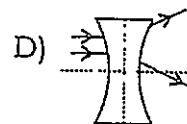
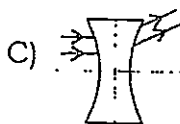
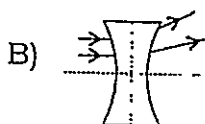
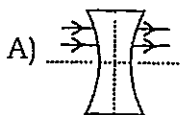
- 3) In case of moving body
- A) Displacement = distance
 B) displacement > distance
 C) displacement < distance
 D) distance < displacement
- 4) If the time taken by the bob of a pendulum to move from point R to P is 4 s, then the time taken by it to complete its one oscillation is



- A) 8s
 B) 12 s
 C) 16 s
 D) 4 s
- 5) Which mark is necessary on electrical appliances?
- A) ISI
 B) FICC
 C) AGMARK
 D) KSK
- 6) Assuming that the charge of an electron is 1.6×10^{-19} coulomb, the number of electrons passing through a section of wire per second when the wire carries a current of one ampere is when the wire carries a current of one ampere is
- A) 0.625×10^{19}
 B) 1.6×10^{19}
 C) 1.6×10^{17}
 D) 0.625×10^{17}

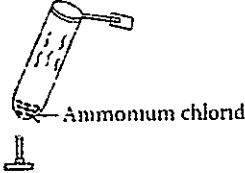
Space for rough work.

- 7) The angle between an incident ray and the plane mirror is 35° . The total angle between the incident ray and reflected ray will be
 A) 35° B) 70° C) 105° D) 110°
- 8) A drop of water on a leaf forms a magnified image of the veins because of
 A) refraction B) reflection
 C) radiation D) rectilinear propagation
- 9) Two parallel rays of light strike a concave lens. Which of the following correctly shows the passage of the rays after passing through the lens?



- 10) A cyclone warning is issued
 A) 6 hours in advance B) 10 hours in advance
 C) 24 hours in advance D) 72 hours in advance
- 11) By heating gases become _____ because the molecules_____
 A) lighter, contract B) heavier, contract
 C) heavier, expand D) lighter, expand
- 12) Which of the following statement is / are correct?
 I) Wind vane is used to measure the speed of the moving wind.
 II) Holes are made in hanging banners and hoardings to increase the air pressure.
 III) The tropical cyclones winds swirl clockwise around the centre in the northern hemisphere and anti - clockwise in the southern hemisphere.
 IV) In India, uneven heating of land generates monsoon winds in summer.
 A) I only B) IV only C) I and II only D) III and IV only
- 13) Which of the following bases is present in window cleaners?
 A) Potassium oxide C) Calcium hydroxide
 C) Potassium hydroxide D) Ammonium hydroxide

Space for rough work.

- 14) A few substances are grouped as:
Sugar solution, curd, tamarind juice, spinach juice, lime juice
The odd one out in the group is
A) Curd because it is basic in nature
B) Lime juice because it is acidic in nature
C) Sugar solution because it is neutral in nature
D) Tamarind juice because it is basic in nature.
- 15) Add a few drops of methyl orange in common salt solution. What do you observe?
A) It turns yellow. B) It turns red.
C) It remains orange. D) It becomes colourless.
- 16) Observe the given experimental set up.
Which of the following represents the correct observation?
A) Vapours of chlorine are evolved.
B) Ammonium chloride melts after some time.
C) White solid gets deposited on the upper cooler part of test tube.
D) Violet coloured vapours are produced as ammonium chloride undergoes sublimation
- 
- 17) Pure salt from the sea water can be obtained by
A) neutralisation B) boiling
C) sublimation D) evaporation and crystallisation.
- 18) Choose the incorrect statement.
A) Chemical reactions are characterised by change in colour and smell.
B) Change in chemical compositions of reactants takes place during a chemical change.
C) Physical changes are always reversible.
D) Change in physical state is a physical change.
- 19) Select the option in which odd one is encircled correctly.
A) Angora, Cashmere, Merino B) Spinning, Weaving, Knitting
C) Cashmere, Mohair, Angora D) Nali, Lohi, Vicuna

Space for rough work

20) Refer to the given figure and select the correct statement regarding it.



- A) During this process wool fibres are washed to remove dust and dirt
- B) During this process yarn is produced from fibre.
- C) During this process silk filaments are reeled
- D) During this process formation of narrow untwisted fibres take place.

21) Select the option that contains names of animal fibres only.

- A) Mohair, Hemp, Cashmere.
- B) Cashmere, Flax, Hemp
- C) Mohair, Cashmere, Silk
- D) Hemp, Jute, Mohair.

22) Select the incorrect match.

- A) Nali – Haryana
- B) Patanwadi – Punjab
- C) Bakharwal – Jammu and Kashmir
- D) Lohi – Rajasthan

23) Which of the following will turn blue litmus red?

- A) Limewater
- B) Lemon water
- C) Sugar solution
- D) Salty water

24) The acid present in the stomach which helps in digestion is

- A) sulphuric acid
- B) citric acid
- C) lactic acid
- D) hydrochloric acid

25) Which of the following changes is wrongly identified?

- A) Eating of dosa in breakfast – Chemical change
- B) Cutting of wood to make furniture – Chemical change
- C) Making fruit custard from milk – chemical change
- D) Baking a cake – Chemical change

SECTION - II - BIOLOGY

26) The maximum temperature of the day generally occurs in the _____ while the minimum temperature occurs generally in the _____.

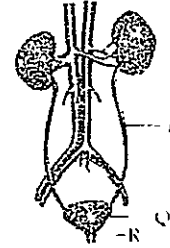
- A) afternoon, early morning
- B) afternoon, night
- C) early morning, afternoon
- D) night, early morning

Space for rough work.

- 27) Indian elephants are adapted to live in
 A) tundra region B) Polar regions C) tropical D) deserts.

- 28) Select the correct option for labels P, Q and R in the given figure

	P	Q	R
A)	Urinary bladder	Ureter	Urethra
B)	Ureter	Urinary bladder	Urethra
C)	Urethra	Urinary bladder	Ureter
D)	Urinary bladder	Urethra	Ureter



- 29) Blood pressure is measured through blood flowing in arteries and not in veins because in arteries
 A) blood flows at a very high speed and low pressure
 B) blood flows at a very high speed and high pressure.
 C) blood flows at a slow speed and low pressure
 D) blood flows at a show speed and high pressure
- 30) Vegetative propagation occurs with the help of sub-aerial stems in
 A) onion and garlic B) grasses and strawberry
 C) sweet potato and Dahlia D) both a and b.
- 31) Select the incorrect statement regarding human digestive system.
 A) Digestive tract and associated glands together constitute the digestive system.
 B) Tongue helps to mix the saliva with food and helps in swallowing .
 C) Pancreatic juice acts only on carbohydrates and converts these into simpler from
 D) Digestion of food is completed in small intestine.
- 32) The given table illustrates the food components and their digested products.

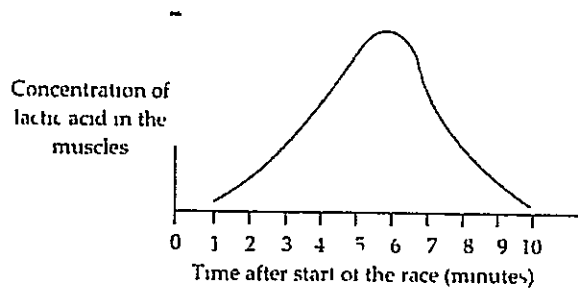
Food compounds	Digested products
P	Amino acids
Carbohydrates	Q

Select the correct option for P and Q.

- A) P – Fats; q – glycerol B) P – proteins; Q – glucose
 C) P – fats; Q – glucose D) P – Proteins; Q – glycerol

 Space for rough work.

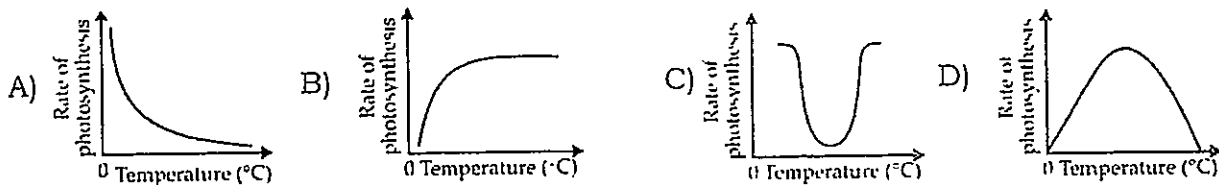
- 33) In human beings, muscle cramps occur after heavy exercise. It is because
- Partial breakdown of glucose produces lactic acid.
 - complete breakdown of glucose produces lactic acid
 - muscle cells respire in the presence of oxygen
 - supply of oxygen to muscle cells increases.
- 34) The graph shows changes in the concentration of lactic acid in the muscles of an athlete both during and after a race.



- At what time did the athlete finish the race?
- 1.0 minute
 - 6.0 minutes
 - 8.0 minutes
 - 10.0 minutes
- 35) Which of the following organisms are decomposers?
- Ants
 - Fungi
 - Bacteria
 - Worms
- I & II only
 - II & III only
 - I, II & III only
 - II, III & IV only
- 36) Select the incorrect match out of the following
- Crown – Branching part of a tree above the trunk
 - Canopy – Vegetation that grows under the shade of tall trees
 - Forest floor – Covered with a layer of dead and decaying leaves
 - Afforestation – Practice of renewing a forest by planting trees.
- 37) _____ is a leafless and rootless parasitic plant that derives its nutrition from a living host plant.
- nepenthes
 - Venus flytrap
 - Cuscuta
 - Mistletoe

Space for rough work

38) Which graph shows the effect of temperature on the rate of photosynthesis?



39) Why should cooking oil, ghee and fats not be poured down the drains?

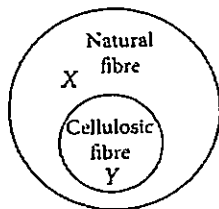
- A) These will block the pipes and reduce the flow of water.
- B) These will burst the pipes.
- C) These will add harmful chemicals in drains.
- D) These will add microbes in the drains.

40) Which of the following should be thrown into the kitchen sink?

- A) Oils and fats
- B) Used tea leaves
- C) Solid food remains
- D) All of these

SECTION - III - ACHIEVER'S

41) Refer to the given Venn diagram.



Identify X and Y and select the correct option.

- A) Fabric of fibre X could be used to put out fire in case of an emergency whereas Y could be used as an absorbent in surgery.
- B) Fibre X could be obtained from organisms which can manufacture their own food.
- C) Fibre X could be obtained by retting process whereas fibre Y could be obtained by shearing process.
- D) Weaving process is used for making yarn from fibre X whereas spinning process is used for making yarn from fibre Y.

Space for rough work

42) Match the columns and select the correct option from the given codes

Column I		Column II	
P)	A monobasic acid	i)	Sulphuric acid
Q)	A Dibasic acid	ii)	Phosphoric acid
R)	A tribasic acid	iii)	Potash alum
S)	A double salt	iv)	Hydrochloric acid

	P	Q	R	S
A)	ii	i	iii	iv
B)	iv	i	ii	iii
C)	iii	i	ii	iii
D)	i	iii	iv	i

43) A few processes are listed as:

- I) Rusting of iron
 II) Dissolution of ammonium chloride in water
 III) Decomposition of calcium carbonate
 IV) Addition of zinc powder to copper sulphate

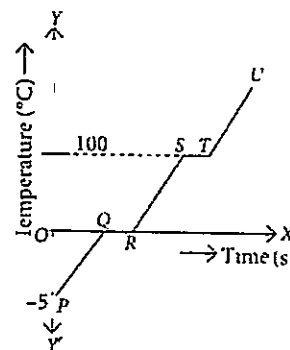
Which of the following is incorrect regarding these processes?

- A) Processes II and III are endothermic.
 B) Processes III results in evolution of gas while process IV results in change in colour of the solution.
 C) Process IV is an example of double decomposition reaction.
 D) process I is an exothermic reaction.

44) The heating curve of a particular substance in solid state is as shown in the given figure.

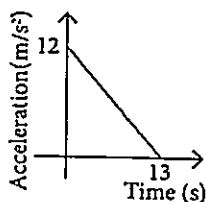
RS part of the graph indicates ___ state of the substance.

- A) A liquid
 B) A solid
 C) A gaseous
 D) Either a liquid or a gaseous



45) A particle starts moving from rest. Its acceleration (a) versus time (t) graph is as shown in the given figure. Maximum speed obtained by the particle is

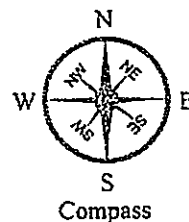
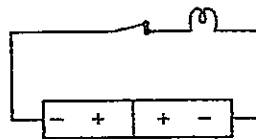
- A) 12 m/s
 B) 78 m/s
 C) 13 m/s
 D) 156 m/s



Space for rough work.

46) Which of the following statements is incorrect for the given circuit?

- A) The battery is not connected properly in the circuit.
- B) When compass is kept near the circuit, it will not show any deflection.
- C) The bulb in the given circuit will not glow.
- D) Due to battery in this circuit, connecting wire behaves as a magnet.



47) Bactrian camels found in the Gobi desert of Mongolia have thick fur as compared to the camels found in the Thar desert of Rajasthan. Identify the reason for this from the following given options.

- A) Bactrian camels drink more water than camels of Thar desert.
- B) Bactrian camels have developed thick fur to protect themselves from low temperature.
- C) Bactrian camels have developed thick fur to protect themselves from high temperature.
- D) Bactrian camels have thick fat in their hump.

48) Refer to the given table.

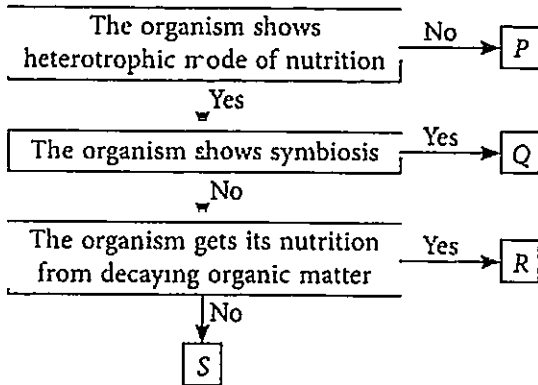
	P	Q	R	S
It produces seeds	L	L	⊗	L
Complete flower	L	⊗	⊗	L
Cross - pollination	L	L	⊗	⊗

Select the option that correctly identifies P - S.

	P	Q	R	S
A)	Data plum	Bryophyllum	Strawberry	Oxalis
B)	Hibiscus	Papaya	Spirogyra	Oxalis
C)	Marigold	Pea	Maize	Zostera
D)	Sunflower	Vallisneria	Chrysan- themum	Wheat

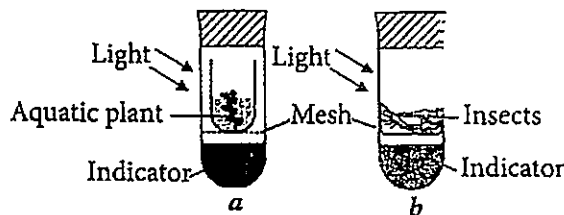
Space for rough work.

49) Refer to the given flow chart and select the option that correctly identifies P, Q, R and S.



	P	Q	R	S
A)	Hydrilla	Dionaea	Rhizopus	Mistletoe
B)	Mango	Amoeba	Mycorrhiza	Sundew
C)	Hibiscus	Rhizobium	Bread mould	Cusuta
D)	Ocimum	Yeast	Lichen	Nepenthes

50) Two test tubes a and b are setup by Kritika as shown. The indicator used here changes from red to yellow when exposed to increased levels of carbon dioxide. At the start of the experiment the indicator in each test tubes was red.



Which of the given below observations will be observed by her after two hours?

	a	b
A)	Indicator turns yellow	No change in the colour of the indicator
B)	No change in the colour of the indicator	Indicator turns yellow
C)	No change in the colour of indicator	No change in the colour of indicator
D)	Indicator turns yellow	Indicator turns yellow

Space for rough work.

Space for rough work



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CLASS : 7th

SOQ EXAM

DATE : 25/02/2024

TIME : 1 Hr.

Subject : MATHS

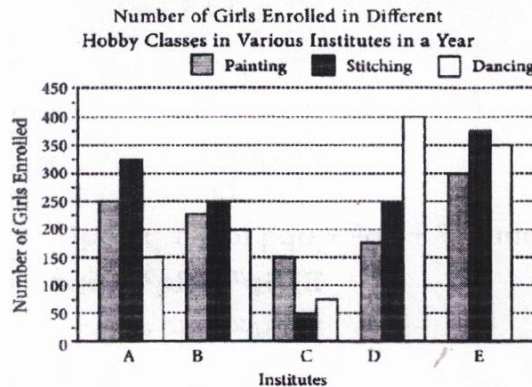
MARKS : 100

Students Name: _____

SECTION - I

- 1) For a non-zero integer 'a', which of the following is not defined?
A) $0 \div a$ B) $-1 \div a$ C) $(-a) \div (-1)$ D) $a \div 0$

Direction (Q. No - 2 - 3): Study the graph carefully to answer the following questions.



- 2) What is the difference between the total number of girls enrolled in stitching and dancing from all institutes together?
A) 50 B) 25 C) 75 D) 85
- 3) What is the total number of girls enrolled in painting from all the institutes together?
A) 1150 B) 1200 C) 1275 D) 1100
- 4) At what price must Sunil sell his piece of land, which costs him ₹ 600000, so as to make a profit of 25%?
A) ₹750000 B) ₹650000 C) ₹ 840000 D) ₹ 800000
- 5) The sum of three rational numbers is $2\frac{55}{72}$. When the largest rational number is divided is $2\frac{2}{5}$, Which is $1\frac{21}{40}$ more than the middle one. Find the three rational number
A) $\frac{1}{2}, \frac{3}{7}, \frac{4}{9}$ B) $\frac{2}{3}, \frac{5}{9}, \frac{41}{8}$ C) $\frac{1}{3}, \frac{7}{8}, \frac{2}{9}$ D) $\frac{4}{3}, \frac{7}{8}, \frac{5}{9}$
- 6) Simplify
 $(8x^2y - 10xy^2) - (12x^3 + 15x^2y) + (25xy^2 - 20y^3)$
A) $-7x^2y + 15xy^2 - 12x^3 - 20y^3$ B) $7x^2y - 15xy^2 + 12x^3 + 20y^3$
C) $-7x^2y - 15xy^2 - 12x^3 - 20y^3$ D) $15xy^2 + 7x^2y - 12x^3 - 20y^3$

7) Read the statements carefully. Write 'T' for true and 'F' for false.

i) $a^0 \times b^0 \times c^0 = 1$

ii) $\frac{a^m \times b^m}{x^n \times y^n} = \frac{(ab)^m}{(xy)^n}$

iii) $(a^m \div a^n) \times (a^n \div a^m) = 1$

iv) $(1^0 + 2^0 + 3^0 + 4^0 + 5^0) \times 10^0 + 6^0 \left(\frac{3^0 + 4^0}{5^0} \right) = 7^0$

	i	ii	iii	iv
A)	F	T	T	T
B)	T	F	T	F
C)	F	F	T	T
D)	T	T	T	F

8) If ₹ 3760 is divided into two parts in which one part is $\frac{7}{8}$ of the total, then find the other part.

A) ₹ 470

B) ₹ 915

C) ₹ 725

D) ₹ 3290

9) Evaluate : $\left(4\frac{1}{2} + 3\frac{1}{6} + 2\frac{1}{3}\right) - \left(13\frac{2}{5} \times 2\frac{1}{5}\right)$

A) $-19\frac{12}{55}$

B) 10

C) $10\frac{12}{25}$

D) $1\frac{12}{25}$

10) What should be subtracted from $6p^2 + 7q^2 + 6pq$ to get $p^2 - q^2$?

A) $p^2 + 8q^2 + 6pq$

B) $5p^2 + 8q^2 + 6pq$

C) $4p^2 + 5q^2 + 6pq$

D) $5p^2 + q^2 + 6pq$

11) The value of $\frac{\left(\left(243\right)^{1/5}\right)^4}{\left(\left(1024\right)^{1/5}\right)^4} = \underline{\hspace{2cm}}$.

A) $\frac{3}{4}$

B) $\left(\frac{3}{4}\right)^{-4}$

C) $\frac{1}{4^{-4} \times 3^{-4}}$

D) $\frac{1}{4^4 \times 3^{-4}}$

12) Amar reads $\left(\frac{1}{8}\right)^{th}$ pages of a book on one day and $\left(\frac{3}{5}\right)^{th}$ of the remaining pages of the book on another day. If now, there were 70 pages unread, then how many pages did the book contains?

A) 240

B) 300

C) 200

D) None of these

13) Which of the following rational numbers satisfies $4(a + b) = 10(b + c)$?

A) $a = -2, b = -\frac{2}{3}, c = -\frac{2}{5}$

B) $a = -10, b = -\frac{9}{11}, c = -\frac{7}{12}$

C) $a = -\frac{7}{12}, b = -\frac{7}{11}, c = -\frac{5}{12}$

D) All of these

14) How many binomials are there?

i) $x^2yz - xy^2z + xyz^2$

ii) $3pq^2 + 3p^2q$

iii) 100

iv) $-2a + b$

v) $2a - b$

vi) $10a + 7b$

A) 5

B) 3

C) 4

D) 2

15) Select the incorrect option.

- A) 25 as a percentage of 75 is $33\frac{1}{3}$
- B) 35 paise as a percentage of 8 rupees is 4.375 %
- C) 40 seconds as a percentage of 6 minutes is $11\frac{2}{9}$ %
- D) 400 grams as percentage of 5 kilograms is 8%

16) Simplify: $\frac{3^3}{2^3} = \frac{\left(\frac{1}{9} \times 4\right)^2}{\left(\frac{-1}{3}\right)^3 \div \left(\frac{-1}{2}\right)^3}$

- A) $\frac{9}{71}$ B) $\frac{64}{7}$ C) $\frac{79}{24}$ D) $\frac{97}{24}$

17) When y is multiplied by 11 and 7 is added to the product, the result is 29. From an equation which represents the above condition.

- A) $11y + 7 = 29$ B) $11y - 7 = 29$ C) $7y + 11 = 29$ D) $11y + 7y = 29$

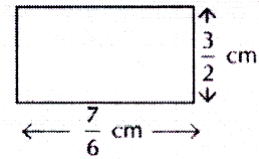
18) A sum of ₹ 2000 amounts to ₹ 2400 at simple interest. If the interest rate is increased by 5% p.a., then it would amount to how much?

- A) ₹ 2420 B) ₹ 2400 C) ₹ 1208 D) ₹ 2640

19) Find the value of $4y + 2$, if one - third of y is equal to 26.

- A) 310 B) 106 C) 314 D) 104

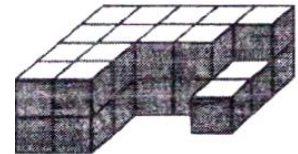
20) If each of the length and breadth of a rectangular garden is increased by 2 cm, then find the new area of the rectangular garden.



- A) $6\frac{23}{50} \text{ cm}^2$ B) $9\frac{49}{100} \text{ cm}^2$ C) $11\frac{1}{12} \text{ cm}^2$ D) $10\frac{21}{50} \text{ cm}^2$

21) How many unit cubes are required to make it a cuboid ?

- A) 12 B) 5
C) 9 D) 6



22) If $\frac{a}{7} = \frac{b}{5} = \frac{c}{6}$, then $\frac{a+b+c}{b}$ is equal to _____

- A) 7 B) $2\frac{1}{5}$ C) $3\frac{5}{6}$ D) $3\frac{3}{5}$

23) Evaluate $\frac{2\frac{3}{4} + 4\frac{5}{6} - 3\frac{1}{3}}{5\frac{2}{9} - 2\frac{5}{9} - 1\frac{2}{9}}$

- A) $1\frac{29}{52}$ B) $\frac{17}{52}$ C) $2\frac{49}{52}$ D) $1\frac{49}{52}$

24) A fair die has faces numbered 1, 2, 4, 7, 8 and 9. If it is thrown, the probability of getting an even number is _____

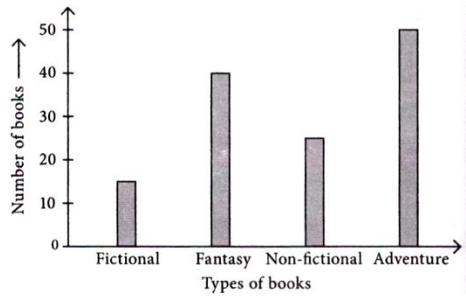
A) 1

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

C) $\frac{5}{6}$

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

25) The bar graph below shows the number of books of each type in a school library.



Find the ratio of number of fantasy books to the total number of books in the library.

A) 13 : 4

B) 5 : 64

C) 5 : 13

D) 4 : 13

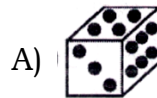
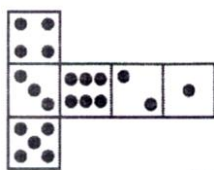
SECTION – II

26) Find the missing angle and match the columns. (Figures not drawn to scale)

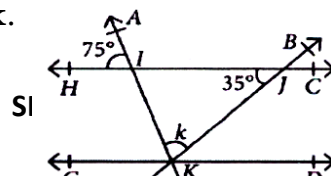
	Column – A		Column – B
P)		i)	60°
Q)		ii)	70°
R)		iii)	120°
S)		iv)	130°

	P	Q	R	S
A)	iv	ii	i	iii
B)	i	iii	ii	iv
C)	ii	i	iv	iii
D)	iv	i	iii	ii

27) The net of a die is shown below. Which of the following dice cannot be formed using the given net?

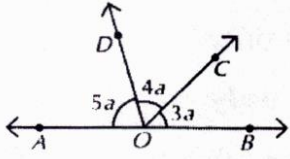


28) In the given figure, HC || GD. Find the value of k.



- A) 75°
- B) 60°
- C) 65°
- D) 70°

29)



In the adjoining figure, find the measure of $\angle DOC$.

- A) 60°
- B) 75°
- C) 36°
- D) 45°

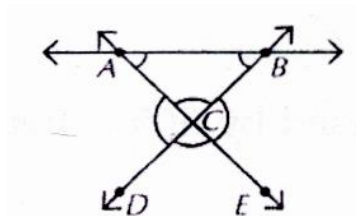
30) Which of the following shadow cast by cube?

- A) Rectangle
- B) Circle
- C) Hexagon
- D) Square

31) In $\triangle ABC$, AD is the bisector of $\angle A$ meets BC and BC at D, CL is perpendicular to AB and M is the mid – point of AC. Which of the following is the median of the triangle?

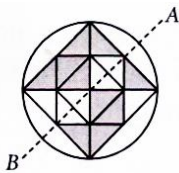
- A) AD
- B) BM
- C) CL
- D) Can't be determined

32) Identify the pair of vertically opposite angles and supplementary angles in the given figure.



	Vertically opposite angles	Supplementary angles
A)	$\angle DCE$ and $\angle DCA$	$\angle DCE$ and $\angle ECB$
B)	$\angle ACD$ and $\angle BCE$	$\angle ACB$ and $\angle BCE$
C)	$\angle ACB$ and $\angle DCE$	$\angle ACD$ and $\angle BCE$
D)	$\angle DCA$ and $\angle ACB$	$\angle DCE$ and $\angle DCA$

33)



How many minimum triangles must be shaded to make the given figure symmetrical along line AB?

- A) 1
- B) 2
- C) 3
- D) More than 3

34) Find the value of P, Q, R, S respectively (in cm).

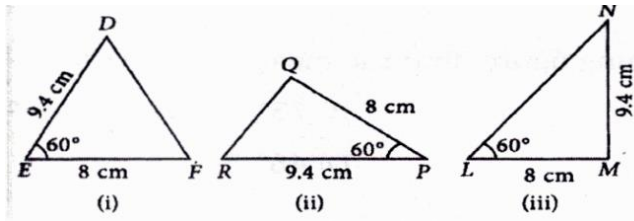
	Radius	Diameter	Circumference
i)	14 cm	P	S
ii)	35 cm	R	Q

- A) 28, 80, 70, 220
- B) 28, 70, 80, 220
- C) 28, 220, 88, 88
- D) 28, 220, 70, 88

35) To reach school from his house. Rachit went 12 km towards South, then 5 km towards West. What is the shortest distance between Rachit house and his school?

- A) 13 km B) 14 km C) 15 km D) 16 km

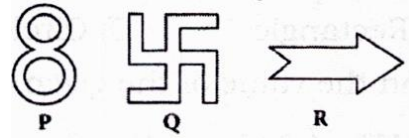
36) Which two of the three triangles are congruent to each other by SAS congruency?



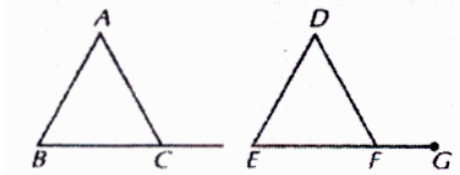
- A) (i) and (iii) only
 B) (ii) and (iii) only
 C) (i) and (ii) only
 D) Both (i) and (ii) and (ii) and (iii)

37) Which of the following figures are symmetrical?

- A) Only P B) Only R
 C) Only Q D) Both P and R



38) In the adjoining figure, $\Delta ABC \cong \Delta DEF$, if $\angle ABC = 55^\circ$ and $\angle ACB = 60^\circ$, then find the measure of $\angle DFG$.



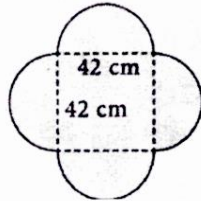
- A) 115° B) 130°
 C) 150° D) 120°

39) If the radius of a circle is increased by 60%. then its circumference will increase by

- A) 75% B) 40% C) 60% D) 70%

40) Find the perimeter of the shaded region.

- A) 264 cm
 B) 66 cm
 C) 132 cm
 D) 333 cm



SECTION – III (ACHIEVERS)

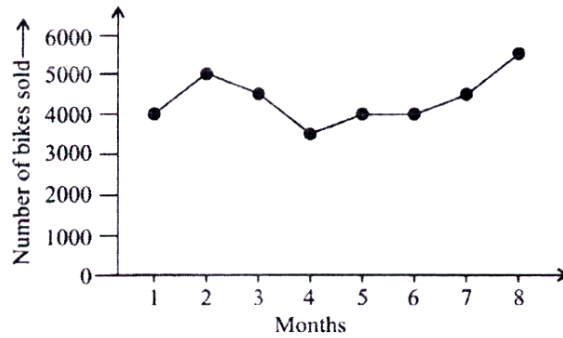
41) Using the given relation between $^{\circ}\text{F}$ and $^{\circ}\text{C}$, find the value of $X - Y + Z$.

$$^{\circ}\text{F} = \frac{9}{5}(^{\circ}\text{C}) + 32$$

Temperature in ($^{\circ}\text{C}$)	Temperature (in $^{\circ}\text{F}$)
-220	X
Y	-418
-300	Z

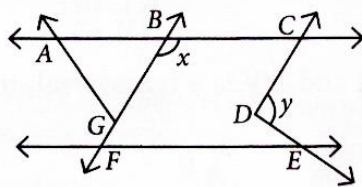
- A) 622 B) 508 C) -622 D) -508

Direction Q. No. (42 - 43) : The given line graph shows the number of bikes sold by a showroom in the first 8 months of a particular year.



- 42) What fraction of the total bikes were sold in 3rd and 7th months together?
 A) $\frac{9}{35}$ B) $\frac{1}{5}$ C) $\frac{2}{5}$ D) $\frac{8}{35}$
- 43) What is the range of the given data?
 A) 2000 B) 1000 C) 1500 D) 2500
- 44) In the given figure, ABC is a straight line, AC \parallel EF and BF \parallel CD. If $\angle BGA = 70^\circ$, $\angle BFE = 50^\circ$ and $\angle DEF = 30^\circ$, then find $x + y$.

- A) 120°
 B) 130°
 C) 125°
 D) 210°



- 45) Read the following statements carefully and select the correct option.
- Statement-I:** If two sides and the included angle of one triangle are equal to the corresponding two sides and the included angle of another triangle, then they are congruent to each other by SAS congruency.
- Statement-II:** If all three angles of one triangle are equal to corresponding angles of another triangle, then they are congruent to each other by AAA congruency.
- A) Both Statement-I and Statement-II are true.
 B) Statement-I is true but Statement-II is false.
 C) Statement-I is false but Statement-II is true.
 D) Both Statement-I and Statement-II are false.

- 46) Find the values of $P + Q + R$.

Shapes	Order of rotational symmetry	Number of lines of symmetry
Pentagon	P	5
Octagon	8	Q
Decagon	R	10

- A) 18 B) 27 C) 19 D) 23

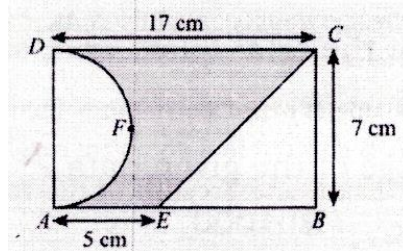
- 47) Fill in the blanks and select the correct option
 i) The distance between two _____ lines is same everywhere.

- ii) The difference of two complementary angles is 45° . Then the larger angle is _____
 iii) If an angle measures θ , then its complement is 30°
 iv) An angle which is half of its supplement is a measure of _____

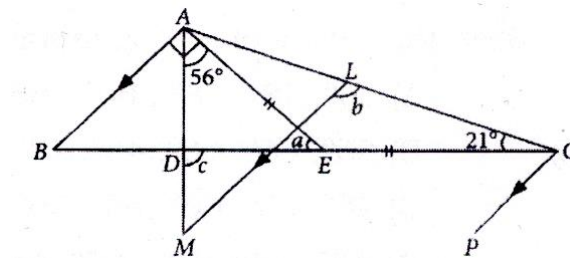
	i	ii	iii	iv
A)	Intersecting	98.5°	400°	30°
B)	Parallel	900°	60°	60°
C)	Intersecting	45°	70°	30°
D)	Parallel	67.5°	60°	60°

- 48) In the given figure (not drawn to scale), ABCD is a rectangle in which CE intersects AB at point E and ADFA is semicircle whose diameter is AD. What is the area of the unshaded region of the given figure?

- A) 71.25 cm^2
 B) 67.75 cm^2
 C) 61.25 cm^2
 D) 77.75 cm^2



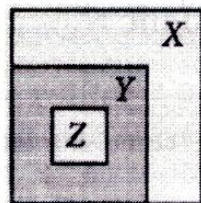
- 49) Consider the given figure (not drawn to scale) and find $a + b + c$.



- A) 251° B) 227° C) 147° D) 74°

- 50) The given figure is made up of 3 squares. The ratio of the area of square X to that of square Z is 4 : 1. The ratio of the shaded area to the total unshaded area is 6 : 7. What is ratio of the area of square X to the area of square Y?

- A) 37 : 52
 B) 52 : 37
 C) 14 : 53
 D) 57 : 32





Ganga Education Society's

SHRADDHA OLYMPIAD QUEST

In pursuit of excellence...

CLASS

7

DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

Total Questions : 50 ■ Time : 1 hr.

Name :

SOQ Roll No. : Contact No.:

Guidelines for the Candidate

1. You will get additional 10 minutes to fill up information about yourself on the OMR sheet before the start of the exam.
2. Write your **Name, Class & Roll Number** clearly on the **OMR sheet** and do not forget to sign it. We will share your marks / result and other information related to SOQ exams on your mobile number.
3. The question paper comprises three sections:
Section - 1 : Verbal (20 Q.) **Section - 2** : Non Verbal (20 Q.) **Section 3** : Achievers Section (10 Q.)
4. All questions are compulsory. There is no negative marking. Use of calculator is not permitted.
5. There is only ONE correct answer. Choose only one option for an answer.
6. To mark your choice of answer by darkening the circle on the OMR sheet, use **Black ball point pen** only.

E.g.

Q.16. In the water cycle condensation is the process of

- A. Water vapour cooling down and turning into liquid B. Ice warming up and turning into a liquid
C. Liquid cooling down and turning into ice D. Liquid warming up and turning into water vapour

As the correct answer is option A, you must darken the circle corresponding to option A on the OMR sheet

as shown in the figure

16. ● ○ ○ ○

7. Rough work should be done in the blank space provided in the booklet
8. Return the OMR sheet to the invigilator at the end of the exam.

1). Choose the correct alternative that will continue the same pattern and replace the question mark in the given series. **120, 99, 80, 63, 48, ?**

- (A)35 (B)38 (C)39 (D)40

2). Find the missing number in the given analogy.

27: 3 :: 64:?

- (A)6 (B)4 (C)7 (D) 3

3). Find the odd one out

- (A)National Anthem: Jana Gana Mana (B)National Tree: Indian Neem
 (C)National Bird: Peacock (D)National Animal: Royal Bengal Tiger

4). Find the missing number in the given analogy.

BCDF : GHIK :: LMNP : ?

- A. QRST B. QRSV C. QRTS D. QRSU

5). If, in a specific language, the code of ENTRY is 12345 and that of STEADY is 931785, what will be the code for the word ARREST?

- A). 744589 B). 188924 C). 744193 D). 745194

6). In a certain code language '481' means 'sky is blue', '246' means 'sea is deep' and '698' means 'sea looks blue'. What number is the code for 'blue'.

- A)8 B)6 C)1 D)9

7). Given that: A is the brother of B. C is the father of A. D is the brother of E. E is the daughter of B. Then, uncle of D is?

- (A) A (B) B (C) C (D) E

Space for rough work.

8). In a family, there are six members A, B, C, D, E and F. A and B are a married couple, A being the male member. D is the only son of C, who is the brother of A. E is the sister of D. B is the daughter-in-law of F, whose husband has died. How is E related to C?

- (A) Sister (B) Daughter (C) Cosin (D) mother

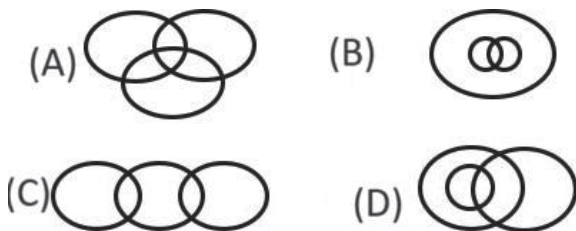
9). A man walks 2km towards North. Then he turns to East and walks 10 km. After this he turns to North and walks 3km again he turns towards East and walks 2 km. How far is he from the starting point?

- (A) 10 km (B) 13 km
(C) 15 km (D) None of these

10). A man is facing north-west. He turns 90° in the clockwise direction, then 180° in the anticlockwise direction and then another 90° in the same direction. Which direction is he facing now?

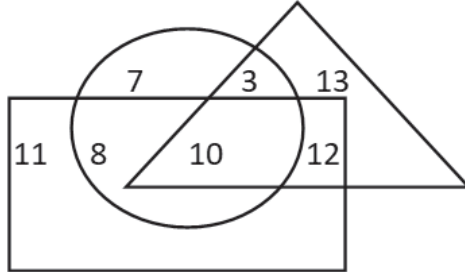
- A) South B) South-west
C) South-east D) East

11). Which of the following Venn- diagram correctly illustrates the relationship among the classes: *Tennis fans*, *Cricket players*, *Students*



Space for rough work.

12). If triangle represents Students, rectangle represents Employed and circle represents Engineers. Then which number represents Employed Students that are not Engineers?



- (A) 10 (B) 12 (C) 8 (D) 3

13). If "α" denotes "subtracted from", "β" denotes "multiplied by", "θ" denotes "added to" and "δ" denotes "divided by", then

$$10 \theta 8 \beta 4 \delta 8 \alpha 9 = ?$$

- (A) 5 (B) 7 (C) 9 (D) 11

14). If signs '+' and '-' and numbers 4 and 8 interchange between each other, then which one of the following four equations would be correct?

- (A) $4 - 8 + 12 = 0$ (B) $8 - 4 \div 12 = 8$
 (C) $4 \div 8 - 12 = 16$ (D) $8 \div 4 - 12 = 24$

15). Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.

1, 1, 4, 8, 9, 27, 16, ?

- (A) 32 (B) 64 (C) 81 (D) 256

 Space for rough work.

16). If all the digits are dropped, which of the following is third to the right of the eleventh from the right end?

* E 7 O & 6 ^ 4 Z 5 * 3 9 T ! D # 2 \$ U

(A)^ (B)8 (C)Z (D)&

17). In the following question, a word has been given, followed by four other words, one of which can be formed by using the letters of the given word. Find that word. **DEMOCRACY**

(A) SECRECY (B) MICRO (C) MARCY (D) DEMON

18). Amit is 24th from the left end and 6th from the right of Sumit. Anuj is 33th from the right end. Sumit is between Amit and Anuj. What is Anuj's position from the left end?

(A)11 (B)10 (C)12 (D)13

19). Arrange the words given below in a meaningful sequence.

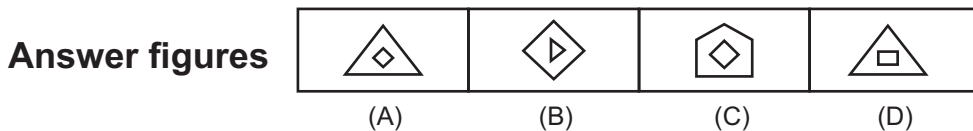
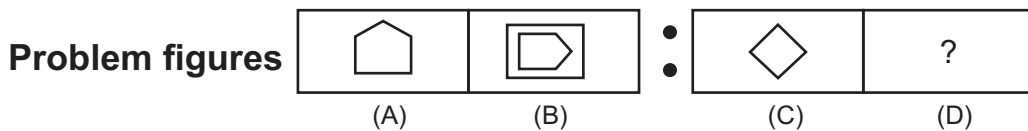
1. Heptagon, 2. Square, 3. Hexagon, 4. Polygon, 5. Triangle

(A)5,2,3,1,4 (B)1,5,3,2,4
 (C)5,3,1,2,4 (D)2,1,3,4,5

20). Select the odd one out.

(A) ABDG (B) IJLO (C) PQSV (D) WXZA

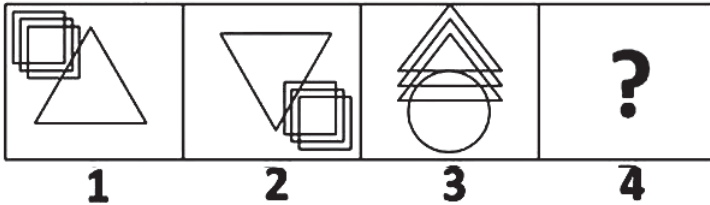
21). In the following question, the first and second figure of the problem figures have certain relation between them and the same relation exists between the third figure and one of the four answer figures (A), (B), (C) and (D). Find that answer figure from the options that will replace '?' from problem figures.



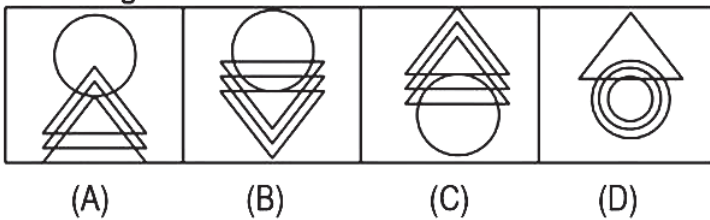
Space for rough work.

22). Find out missing figure (?) of the problem from the given answer figures.

Problem Figures



Answer Figures



23). Choose the alternative which is closely resembles the mirror image of the given combination.

ANS43Q12

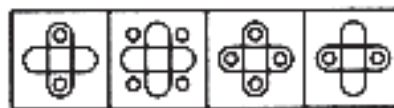
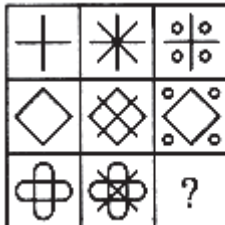
- (A) AN24Q12 (B) 21Q342NA
 (C) 2NA34Q12 (D) 12Q43AN2

24). Choose the alternative which is closely resembles the water-image of the given combination.

A1M3b

- (A) A1M3P (B) A1M3P
 (C) A1M3P (D) A1M3P

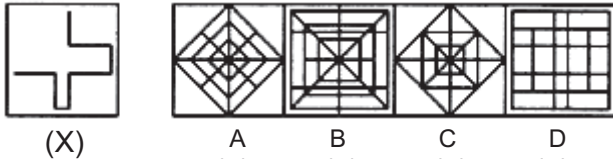
25). Select a suitable figure from the four alternatives that would complete the figure matrix.



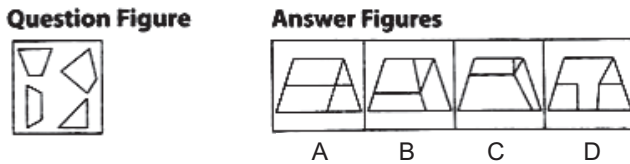
- (A) (B) (C) (D)

Space for rough work.

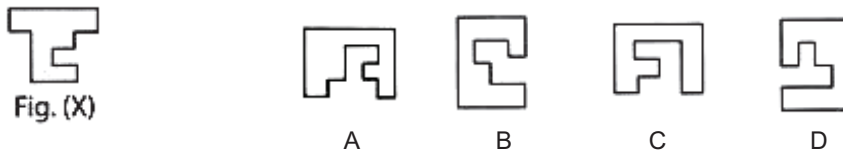
26). Find out the alternative figure which contains figure (X) as its part.



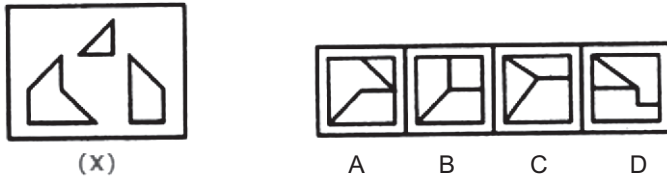
27). In the following question, find the figure out of the answer choice figures, that can be formed by joining the pieces given in the figure.



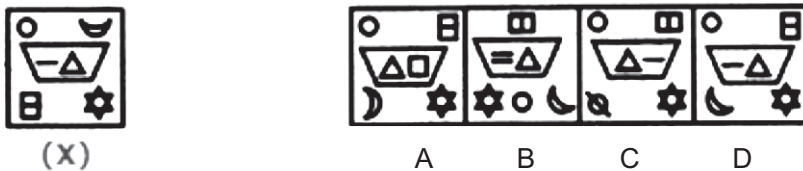
28). Select a figure from the given options which fits exactly into Fig. (X) to form a complete square.



29). Find out which of the option figure can be formed from the pieces given in figure (X).

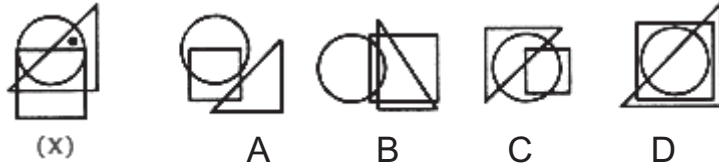


30). Select the alternative in which the specified components of the key figure (X) are found.

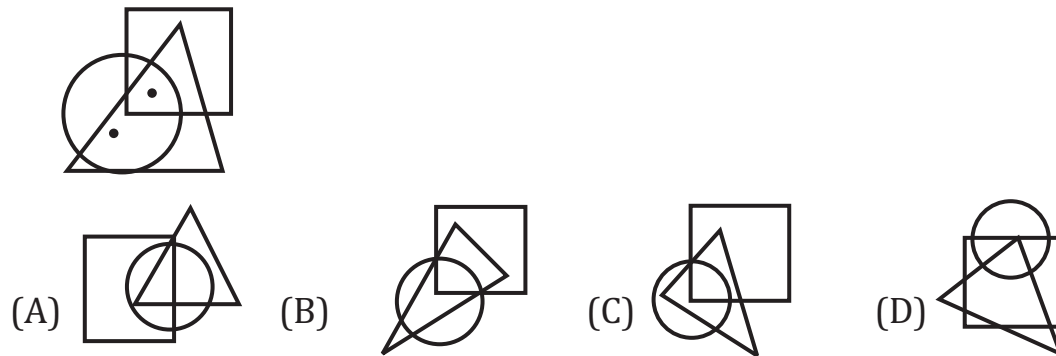


 Space for rough work.

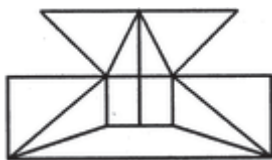
31). Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



32). Select a figure from the options which does not satisfy the same condition of placement of the dots as in the given figure.



33). Find the minimum number of straight lines required to make the given figure.



- (A)16 (B)17 (C)18 (D)19

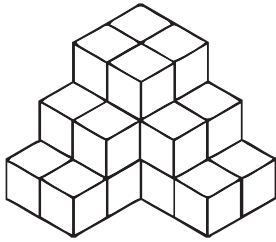
34). Find the number of triangles in the given figure.



- (A) 12 (B) 18 (C) 22 (D) 26

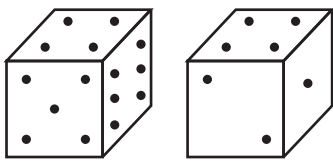
 Space for rough work.

35). Count the number of cubes in the given figure.



- (A)22 (B)24 (C)26 (D)20

36). Here two positions of dice are shown. If there are two dots in the bottom, then how many dots will be on the top?



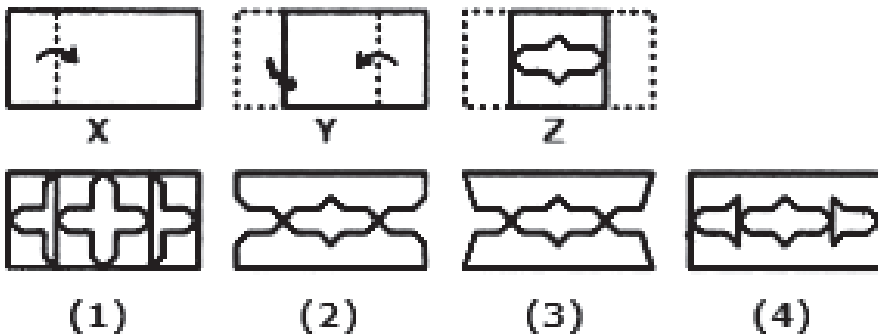
- (A)2 (B)3 (C) 5 (D) 6

37). When the given figure is folded to form a cube then which face is opposite to the face with 2?



- A. 2 B. 4
 C. 1 D. 6

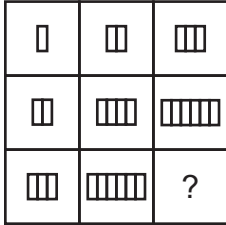
38). Choose a figure which would most closely resemble the unfolded form of Figure (Z).



- (A)1 (B)2 (C)3 (D)4

Space for rough work.

39). Select a suitable figure from the four alternatives that would complete the figure matrix.



- 1) 3)
- 2) 4)

- (A)1 (B)2 (C)3 (D)4

40). Choose the correct water image of the given figure (X) from amongst the four alternatives.



(X)



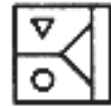
(1)



(2)



(3)



(4)

- (A)1 (B)2 (C)3 (D)4

41). Some boys are sitting in three rows all facing North such that A is in the middle row. P is just to the right of A but in the same row. Q is just behind of P while R is in the North of A. In which direction of R is Q?

- (A)South (B)South-West
 (C)North-East (D)South-East

42). If '-' stands for '+', '+' stands for 'x', 'x' stands for '-', then which one of the following is not correct?

- (A) $22 + 7 - 3 \times 9 = 148$ (B) $33 \times 5 - 10 + 20 = 228$
 (C) $7 + 28 - 3 \times 52 = 127$ (D) $44 - 9 + 6 \times 11 = 87$

 Space for rough work.

43). This question is based on the following information:

1. M % N means M is the son of N.
2. M @ N means M is the sister of N.
3. M \$ N means M is the father of N.

Which of the following shows the relation that S is the father of Q?

- (A) S @ P \$ Q (B) Q @ P % S
 (C) Q \$ S @ P (D) None of these

44). Find the missing number.

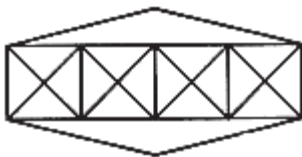
7	22	5
5	9	11
9	11	15
38	77	?

- (A) 160 (B) 120 (C) 83 (D) 55

45). In each word of the following questions consists of pair of words bearing a relationship among these, from amongst the alternatives, pick up the pair that best illustrate a similar relationship: Numismatist : Coins

- (A) Jeweller : Jewels (B) Cartographer : Maps
 (C) Philatelist : Stamps (D) Geneticist : Chromosomes

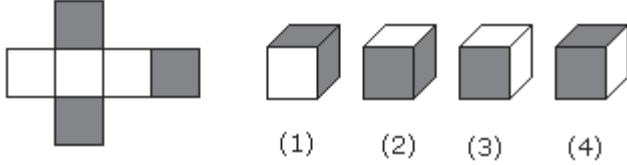
46). Count the number of triangles and squares in the given figure.



- (A) 36 triangles, 7 squares
 (B) 38 triangles, 9 squares
 (C) 40 triangles, 7 squares
 (D) 42 triangles, 9 squares

Space for rough work.

47). The figure given on the left hand side in each of the following questions is folded to form a box. Choose from the alternatives (1), (2), (3) and (4) the boxes that is similar to the box formed



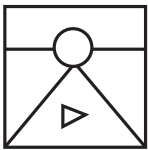
- (A) 1 and 3 only (B) 2 and 4 only
 (C) 2 and 3 only (D) 1, 2, 3 and 4

48). A cube is painted red along all its faces and then divided into 27 smaller identical pieces. How many of the resultant pieces will have three face painted?

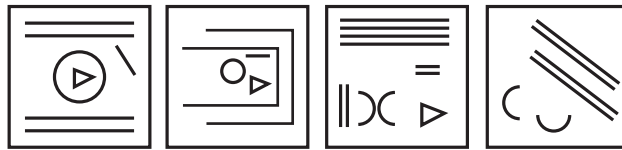
- (A) 24 (B) 20 (C) 8 (D) 12

49). In each of the following questions, find the figure given in the answer choices, that can form the question figure.

Question Figure

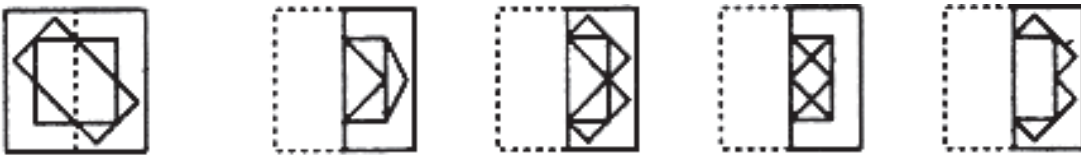


Answer Figures



- (A) (B) (C) (D)

50). Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



- (A) 1 (B) 2 (C) 3 (D) 4

Space for rough work.

Space for rough work.

Space for rough work.

Space for rough work.

Space for rough work.



SHRADDHA OLYMPIAD QUEST

MATHS

For Std. 3, 4, 5, 6, 7, 8, 9



SHRADDHA OLYMPIAD QUEST

SCIENCE

For Std. 3, 4, 5, 6, 7, 8, 9



SHRADDHA OLYMPIAD QUEST

ENGLISH

For Std. 3, 4, 5, 6, 7, 8, 9



SHRADDHA OLYMPIAD QUEST

MAT

For Std. 3, 4, 5, 6, 7, 8, 9



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CLASS

7

DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

Total Questions : 50 ■ Time : 1 hr.

Name :

SOQ Roll No. : Contact No.:

Guidelines for the Candidate

1. You will get additional 10 minutes to fill up information about yourself on the OMR sheet before the start of the exam.
2. Write your **Name, Class & Roll Number** clearly on the **OMR sheet** and do not forget to sign it. We will share your marks / result and other information related to SOQ exams on your mobile number.
3. The question paper comprises three sections:
Section - 1 : Grammar & Vocabulary (20 Q.) **Section - 2** : Comprehension (20 Q.) **Section 3** : Achiever's Section (10 Q.)
4. All questions are compulsory. There is no negative marking. Use of calculator is not permitted.
5. There is only ONE correct answer. Choose only one option for an answer.
6. To mark your choice of answer by darkening the circle on the OMR sheet, use **black ball point pen** only.

E.g.

Q.16. In the water cycle condensation is the process of

- A. Water vapour cooling down and turning into liquid B. Ice warming up and turning into a liquid
C. Liquid cooling down and turning into ice D. Liquid warming up and turning into water vapour

As the correct answer is option A, you must darken the circle corresponding to option A on the OMR sheet as shown in the figure

16. ● ○ ○ ○

7. Rough work should be done in the blank space provided in the booklet
8. Return the OMR sheet to the invigilator at the end of the exam.

SECTION – I – GRAMMAR AND VOCABULARY

1. Select the synonym for the word "**Enormous.**"
a) Tiny b) Huge c) Small d) Little
2. Select the antonym for "**Ancient.**"
a) Modern b) Traditional c) Old-fashioned d) Antique
3. Identify the sentence in the present continuous tense:
A. I will go to the market. B. She eats lunch at noon.
C. They are playing football in the park.
D. He visited the zoo last weekend.
4. Convert the following sentence into the passive voice: "The teacher explains the lesson."
a) The lesson is being explained by the teacher.
b) The lesson is explained by the teacher.
c) Both a and b are correct. d) None of these.
5. **Change the following direct speech into indirect speech:**
Direct Speech: "I love reading books," said Sarah.
A) Sarah said that she loves reading books.
B) Sarah says she loved reading books.
C) Sarah said that she loved reading books.
D) Sarah says, "I loved reading books."
6. The group of students _____ excited about the upcoming field trip.
A. is B. Are C. be D. being
7. In the sentence "**She quickly ran to the store,**" what is the part of speech of "**ran**"?
A) Adjective B) Adverb C) Noun D) Verb
8. Complete the sentence with the appropriate question tag: "**She can swim very well,** _____?"
A) can't she? B) can she? C) does she? D) isn't she?

9. Which part of speech is the word "**quickly**" in the following sentence?

"The rabbit hopped quickly through the meadow."

- A) Adjective B) Adverb C) Noun D) Verb

10. Which of the following sentences contains a **relative clause**?

- A) The cat sat on the windows.
B) The girl who wore a red dress is my friend.
C) Running in the park is my favorite activity.
D) I enjoy reading books.

11. What is the compound word in the following options?

- A) Run B) Playground C) Jump D) Happy

12. Choose the correct sentence structure:

- A) She quickly ran to catch the bus.
B) Quickly she ran to catch the bus.
C) Quickly to catch the bus, she ran.
D) To catch the bus, she quickly ran.

13. In the sentence "**Please register your name at the front desk,**" what does the word "**register**" mean?

- A) Forget B) Record C) Erase D) Destroy

14. Either Stacy's friends or cousins _____ coming to her house.

- A) is B) are C) has been D) was

15. Which of the following sentences is grammatically incorrect?

- A) Either a cat or a dog is gifted by Samaira.
B) Either a painting or a sketch is made by Ellen.
C) Either Samantha or George are getting married.
D) Either a pizza or pasta is ordered by Clara.

16. He said, "Garima wants to take up a job while her husband wants her to look after the family." **[Choose the correct option of indirect speech]**

(A) He said that Garima wanted to take up a job while her husband wanted her to look after the family.

(B) He said that Garima wants to take up a job while her husband wanted her to look after the family.

(C) He told that Garima wanted to take up a job while her husband wants her to look after the family.

(D) He said to Garima that though she wanted to take up a job while her husband wanted to look after the family.

17. **Choose the correct active voice form of the sentence:**

"The cake was being baked by Sarah."

A) Sarah was baking the cake.

B) Sarah has baked the cake.

C) The cake has been baked by Sarah.

D) The cake was baking by Sarah.

18. Select the option in which punctuation mark is correctly used:

Ashoka having conquered Kalinga began to hate war.

A) Ashoka, having conquered Kalinga, began to hate war.

B) Ashoka, having conquered, Kalinga began to hate war.

C) Ashoka having conquered Kalinga, began to hate war.

D) Ashoka, having conquered Kalinga began to hate, war.

19. Which one of the following is used to enclose certain contents which the writer sets out apart so that the flow of sentence is not interrupted?

A) Brackets

B) Quotation Marks

C) Colon

D) Comma

20. Select the most suitable response for the given statement:

I did not get a wink of sleep last night.

A) Neither did I

B) So did I

C) I did too

D) Did you?

SECTION – II – COMPREHENSION

Read the passage given below and answer the questions from 21-25.

Have you ever heard the saying “Don’t judge a book by its cover?” It means you should not make assumptions about someone or something based on their appearance. This is a valuable lesson to learn because people are often different than what they seem at first glance.

For example, imagine meeting someone who is very quiet and shy. You might assume they are not very friendly or interesting to talk to, but if you take the time to get to know them, you might find that they have a great sense of humor and are very knowledgeable about a topic that interests you.

On the other hand, someone who appears very outgoing and confident might seem like the life of the party, but they might actually be struggling with personal issues and using their behavior as a cover-up.

It’s important to remember that appearance can be deceiving and that people are complex beings. It’s always a good idea to reserve judgment until you have gotten to know someone better.

In conclusion, don’t judge a book by its cover is a saying that we should all take to heart. It’s easy to make assumptions based on appearances, but it’s much more fulfilling to get to know people for who they truly are. By doing so, we can form deeper and more meaningful relationships.

21. What does the saying "Don't judge a book by its cover" mean?
- A) You should judge people based on their appearance.
 - B) You should not make assumptions based on appearance.
 - C) Appearance is the most important thing.
 - D) None of the above.
22. Why is it important to get to know someone before judging them?
- A) People are often different than what they seem at first glance.
 - B) People are always the same as they seem at first glance.
 - C) People don't like to be judged.
 - D) None of the above.

23. What might someone who appears very outgoing and confident be struggling with?

- A) Personal issues. B) Social anxiety.
C) They are not struggling with anything. D) None of the above.

24. What is the best way to form deeper and more meaningful relationships?

- A) Judge people based on their appearance.
B) Get to know people for who they truly are.
C) Keep people at a distance.
D) None of the above.

25. What lesson should we all take to heart?

- A) Judge people based on their appearance.
B) Don't make assumptions based on appearance.
C) Appearance is the most important thing.
D) Both A and B.

Read the passage given below and answer the questions from 26-30.

Technology has had a profound impact on society in recent years. From smartphones to social media platforms, new technologies have changed the way we communicate, work, and interact with one another. One of the most significant changes brought about by technology is the rise of social media. Platforms such as Facebook, Twitter, and Instagram have allowed people to connect with one another in ways that were previously impossible. However, these platforms have also been associated with negative effects, including increased rates of cyberbullying and a decrease in face-to-face communication.

Another way in which technology has impacted society is through changes in the workplace. Advances in automation and artificial intelligence have led to concerns about the displacement of workers and the need for retraining and reskilling. On the other hand, technology has also created new job opportunities, particularly in fields such as computer science and information technology. However, the internet has also brought about

challenges related to the spread of misinformation and fake news. Social media platforms, in particular, have been criticized for their role in amplifying false information and contributing to the erosion of trust in traditional sources of news and information.

In conclusion, the impact of technology on society has been profound and multifaceted. While technology has brought about many positive changes, such as increased connectivity and access to information, it has also created new challenges and risks. As we continue to develop and use new technologies, it is important to consider their potential impact on society and work to mitigate any negative effects. Technology has also had a significant impact on the way we access information. With the rise of the internet, people now have access to a vast amount of information on virtually any topic imaginable. This has led to a democratization of knowledge, as people are no longer dependent on traditional gatekeepers such as publishers and editors to access information.

26. What is one of the negative effects associated with social media platforms?

- A) Increased access to information B) Increased rates of cyberbullying
C) Increased job opportunities D) All of the above

27. How has technology impacted the way we access information?

- A) It has made it more difficult to access information
B) It has created a democratization of knowledge
C) It has led to a decrease in the amount of information available
D) It has made it more difficult to find reliable sources of information

28. In paragraph 1, what is the meaning of 'profound'?

- A) insignificant B) insignificant but positive
C) deep and far-reaching D) small and unimportant

29. In paragraph 2, what is meant by "the displacement of workers"?

- A) The promotion of workers to higher positions within a company
B) The replacement of workers with machines or automation
C) The creation of new job opportunities for workers
D) The movement of workers to different geographic locations

30. What is decreased in the social media platforms?

- A) Face to face communication.
- B) Access to information
- C) Allow people to connect with each other.
- D) None of these

Read the passage given below and answer the questions from 31-35.

Ants are small insects that live in colonies. They are found almost everywhere on Earth, from forests to deserts, and even in your backyard. Ant colonies can consist of just a few ants to millions of ants! Ants are known for their hard work and teamwork. Each ant has a specific job within the colony. Some ants gather food, while others take care of the young ants. The queen ant's main job is to lay eggs to grow the colony. Ants communicate with each other using chemicals called pheromones. They leave trails of pheromones to lead other ants to food sources or to warn them of danger. Ants are also incredibly strong for their size. They can carry objects many times their own weight! This strength helps them transport food and build their nests. Ants play an essential role in ecosystems by controlling populations of other insects and aerating the soil. They are fascinating creatures to observe and can teach us valuable lessons about hard work and cooperation.

31. What do ants use to communicate?

- A) Sound B) Pheromones
- C) Visual signals D) None of the above

32. What is the main job of the queen ant?

- A) Gather food B) Protect the colony
- C) Lay eggs D) Build nests

33. Where can ants be found?

- A) Only in forests B) Only in deserts
- C) Everywhere D) Only in gardens

34. What is one of the roles of ants in ecosystems?

- A) Pollination B) Controlling insect populations
- C) Spreading diseases D) None of the above

35. How do ants transport food?

- A) By flying B) By swimming
- C) By crawling D) By using telepathy

Read the passage given below and answer the questions from 36-40.

The sun dipped below the horizon, casting a warm glow across the meadow. As the day surrendered to dusk, the meadow transformed into a magical realm, where fireflies flickered like tiny stars. The air was filled with the symphony of crickets and the distant hoots of an owl. In this enchanting setting, a group of friends gathered for a picnic. They spread a vibrant blanket on the soft grass, unpacked sandwiches, and shared laughter.

As the friends enjoyed their meal, they noticed a family of deer grazing peacefully nearby. The children marveled at the gentle creatures, their eyes wide with wonder. The setting sun painted the sky in hues of orange and pink, creating a breathtaking canvas. The friends sat in awe, appreciating the beauty of nature.

36. For What transformed the meadow into a magical realm?

- A) Moonlight B) Sunset C) Sunrise D) Cloudy sky

37. What filled the air in the meadow?

- A) Cars honking B) Symphony of crickets C) Horns blaring
D) Sirens wailing

38. What did the group of friends gather for in the meadow?

- A) Soccer match B) Picnic C) Treasure hunt D) Concert

39. What did the children notice while having their meal?

- a) Family of bears b) Family of deer c) Flock of birds d) Pack of wolves

40. What painted the sky in hues of orange and pink?

- a) Streetlights b) Fireflies c) Setting sun d) Flashlights

SECTION – III – ACHIEVER'S

Read the following passage and answer the questions from 41-50.

Once upon a time, in a faraway land, there existed an enchanted forest that was rumored to hold magical secrets. Legend had it that the ancient trees whispered secrets to those who listened closely, and the flowers bloomed with colors unseen in the human world.

Deep within the heart of the forest, a hidden treasure was said to be guarded by mystical creatures. The air was filled with the sweet melody of singing birds, and the sunlight filtered through the dense foliage, creating a mesmerizing play of light and shadows.

As the sun set, the forest came alive with the glow of fireflies, creating a magical spectacle that captivated anyone fortunate enough to witness it. The air was thick with the fragrance of exotic flowers, and the ground was covered in a carpet of moss that felt like a cushion beneath one's feet.

The forest was a haven for rare and endangered species, living peacefully in harmony with the enchanted surroundings. Visitors who dared to enter were said to be granted a wish if they truly respected the magic of the forest.

41. What is rumored to be hidden in the enchanted forest?

- A) Ancient Artifacts b) Magical Secrets
c) Painting d) All of the above

42. What do the ancient trees in the forest do?

- A) Sing songs B) Whisper secrets
C) Dance in the wind D) Grow golden fruits

43. What happens as the sun sets in the forest?

- A) The forest becomes silent B) Magical creatures come out
C) The air becomes polluted D) Trees lose their leaves

44. What is the ground covered with in the forest?

- A) Sand B) Pebbles C) Moss D) Grass

45. What is said to happen to visitors who respect the magic of the forest?

- A) They become invisible B) They are granted a wish
C) They turn into animals D) They are chased away by
magical creatures

[Instructions for Q. 46 to Q. 50 : Choose the correct options for the following]

46. We use this phrase to agree to a suggestion or an idea

- A) I Appreciate it .
B) That sounds good.
C) I will agree always.
D) All of the above .

47. How will you reply to someone who waits for information ?

- A) I will call you soon.
- B) I'll get hack to you.
- C) I'll get back to you.
- D) I will inform you, whenever I get time.

48. You want to ask directions for the university. How would you ask?

- A) Where is Mumbai University located?
- B) Which way leads to Mumbai University?
- C) Could you tell me the way to Mumbai University?
- D) Both B and C

49. Choose the best answer from the options given below:

Rosy: "Hi! Shubh. It's good to see you again. How are you?"

Shubh: " _____ "

- A) Hi! I'm fine, thanks. What about you?
- B) And how are you?
- C) Nothing wrong with me.
- D) Right now I'm busy

50. 'Receptionist ;

Passenger ; Could you tell me whether the flight is on time?

'Receptionist ; Yes, of course. Sir, I will do that for you.

- (A) What do you want?
- (B) Why are you standing over here?
- (C) How may I help you?
- (D) What information do you need?

Space for rough work.



SHRADDHA OLYMPIAD QUEST

MATHS

For Std. 3, 4, 5, 6, 7, 8, 9



SHRADDHA OLYMPIAD QUEST

SCIENCE

For Std. 3, 4, 5, 6, 7, 8, 9



SHRADDHA OLYMPIAD QUEST

ENGLISH

For Std. 3, 4, 5, 6, 7, 8, 9



SHRADDHA OLYMPIAD QUEST

MAT

For Std. 3, 4, 5, 6, 7, 8, 9



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