

Class : V

SAMPLE PAPER

Time allowed : 2 hours

Maximum Marks : 320

Please read the instructions in Question Booklet before answering the question paper.

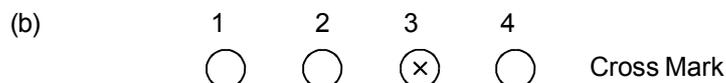
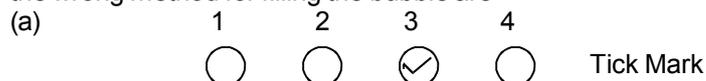
INSTRUCTIONS

01. The question paper has '14' printed pages. Please ensure that the copy of the question paper you have received contains all pages.
02. Before starting the paper, fill up the required details in the blank space provided in the answer sheet.
03. Write your name and Seven digit **Reg. No.** in the space provided at the top of this booklet.
04. The question paper consists of '80' objective type questions. Each question carry 4 marks and all of them are compulsory.
05. Each question contains four alternatives out of which only **ONE** is correct.
06. There is **NO NEGATIVE** marking.
07. Indicate the correct answer for each question by filling appropriate bubble in your answer sheet.
08. The answers of the questions must be marked by shading the circle against the question by dark **Black Ball point Pen** only.
09. For rough work, use the space provided at the bottom of each page. No extra sheet will be provided for rough work and you are not supposed to bring the same.
10. Use of **blank papers, clip boards, log tables, calculator, slide rule, mobile** or any other **electronic gadgets** in any form is "**NOT PERMISSIBLE**".
11. You must not carry mobile phone even if you have the same, give it to your Invigilator before commencement of the test and take it back from him/her after the exam.
12. The Answer Sheet will be checked through computer hence the answer of the questions must be marked by shading the circles against the question by dark **Black Ball point Pen** only.

For example if only 'C' choice is correct then, the correct method for filling the bubble is



the wrong method for filling the bubble are



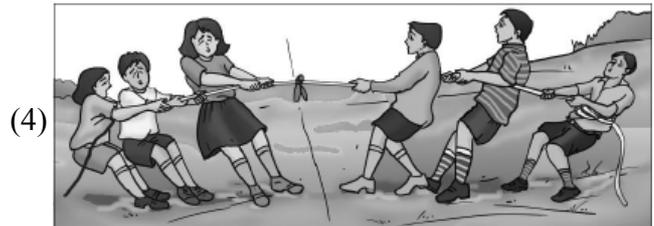
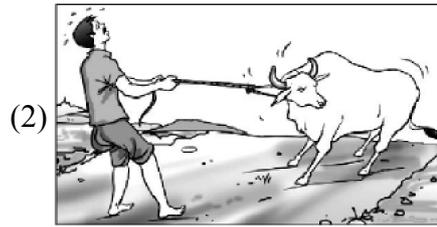
The answer of the questions in wrong or any other manner will be treated as wrong.

USEFUL DATA

Take $g = 10 \text{ m/s}^2$ wherever required.

Q.1 The smallest time measured by a wrist watch accurately is
 (1) 1 milli second (2) 60 seconds (3) 1 second (4) 1 hour

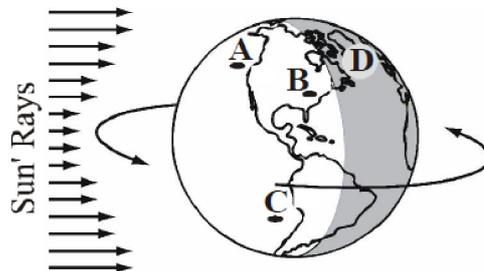
Q.2 In which of the following figures only pushing force is applied?



Q.3 The S.I. unit of force is :
 (1) erg (2) Joule (3) Newton (4) dyne

Q.4 The _____ is the innermost layer of Earth.
 (1) core (2) mantle (3) crust (4) lithosphere

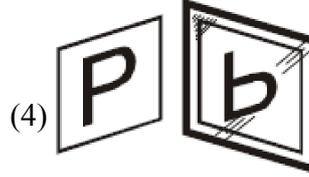
Q.5 In the diagram below, which of these locations would enter the night-time side of Earth next?



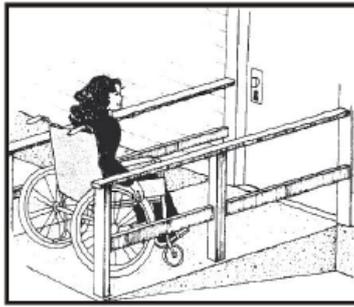
(1) A (2) B (3) C (4) D

Q.6 In a uniform motion :
 (1) Average speed is more than actual speed. (2) The object is moving along circular track.
 (3) The object is moving with a constant speed. (4) Speed is variable

Q.7 Which of the following shows the correct mirror image of the letter 'P'?



Q.8 The illustration below shows a student approaching the door to a building. Which two simple machines are being used to enable the student to reach the door?



- (1) Inclined plane and pulley
 (2) Lever and wheel-and-axle
 (3) Pulley and lever
 (4) Wheel-and-axle and inclined plane

Q.9 When a switch is in ON position, then

- (1) The circuit from the negative terminal to the positive terminal of the battery is complete.
 (2) The circuit from the positive terminal to the negative terminal of the battery is incomplete.
 (3) The circuit is known as the open circuit.
 (4) None of these

Q.10 Imagine a cannon being fired on the surface of the moon. Then

- (1) Sound will be heard at the surface of the earth during all seasons
 (2) The sound will not be heard at the surface of the earth but will be heard only on moon
 (3) The sound will be heard at the surface of the earth during the rainy season
 (4) No sound will be heard on the earth or on the moon

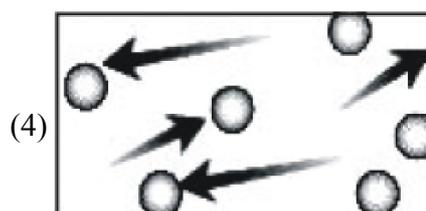
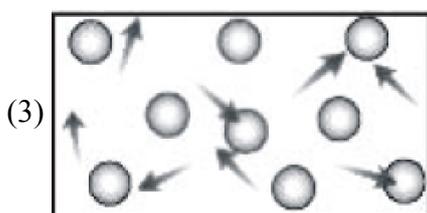
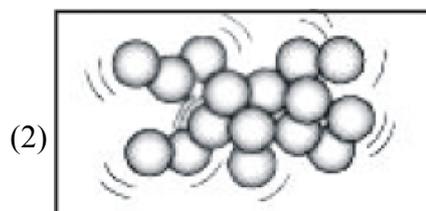
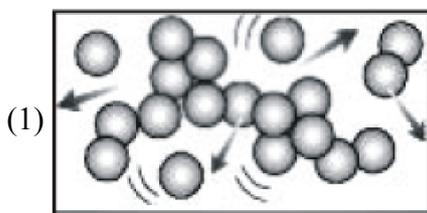
Q.11 Which among the following planets has no rings around it?

- (1) Jupiter (2) Saturn (3) Uranus (4) Mars

Q.12 At the centre of a magnet, magnetism is :

- (1) Maximum (2) Minimum (3) Zero (4) Infinite

Q.13 The given figures show particles of the same matter. In which picture is the matter hottest ?



Q.14 Three water samples with different volumes are heated. The information is recorded in the table below. If sample 1 and sample 2 boil at a temperature of 100°C, at what temperature would Sample 3 be expected to boil ?

Water Sample	Volume (mL)	Boiling Temperature (°C)
Sample 1	50	100
Sample 2	100	100
Sample 3	150	?

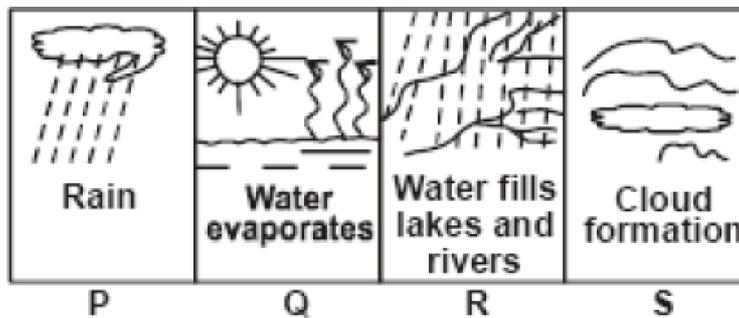
- (1) 50°C (2) 100°C (3) 200°C (4) 300°C

Q.15 Dew forms on leaves due to



- (1) Evaporation (2) Condensation (3) Vaporization (4) All of the above

Q.16 The given diagram shows the water cycle. If Q is the first step in the cycle, arrange the rest of the letters in the correct order of a water cycle.



- (1) Q, S, P, R (2) Q, P, R, S (3) Q, R, S, P (4) Q, S, R, P

Q.17 Plants release large amount of water vapour into the atmosphere by the process of

- (1) Evaporation (2) Condensation (3) Precipitation (4) Transpiration

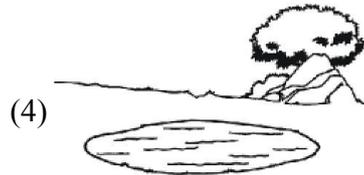
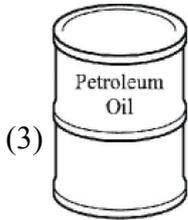
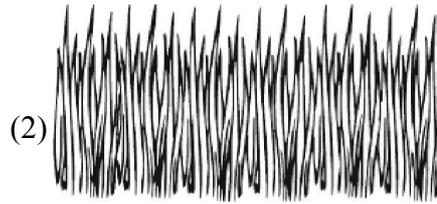
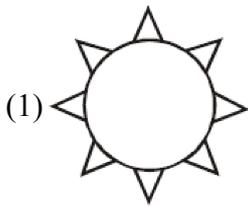
Q.18 Substance from which metal is economically extracted is known as

- (1) Mineral (2) Ore (3) Flux (4) Slag

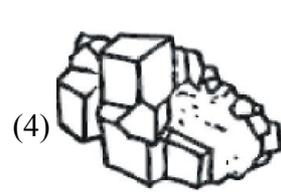
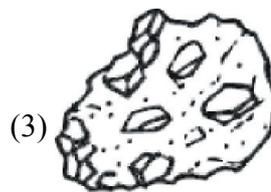
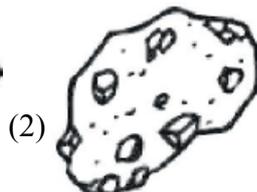
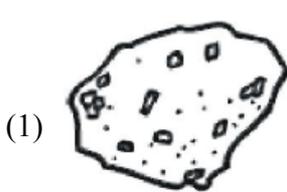
Q.19 The origin point of an earthquake is called the

- (1) Epicentre (2) Crater (3) Focus (4) None of these

Q.20 Nonrenewable resources are natural resources that cannot be replaced quickly by nature when they get used up. According to this definition, which of these is a nonrenewable resource?



Q.21 The size of crystals in igneous rock can be determined by how fast the magma cools and solidifies. The faster the magma cools, the smaller the crystals. Which sample of granite is formed from magma that is cooled and solidified at the slowest rate?



Q.22 Vermi - Composting involves the addition of
 (1) Red-worm (2) Chemicals

(3) Pesticides (4) Wastes of plants only

Q.23 Cotton is obtained from

(1) roots of the plant
 (3) stem of the cotton plant

(2) the bolls of the cotton plant
 (4) leaves of the plant

Q.24 A saturated solution can be prepared by mixing water with

(1) sand (2) salt (3) iron fillings (4) chalk powder

Q.25 Organisms that live on trees are called

(1) arial (2) arboreal (3) terrestrial (4) aquatic

Q.26 Which of these best defines communicable diseases?

(1) They can be cured (2) They are caused by bacteria
 (3) They are spread to others (4) They can spread only in winter

Q.27 Earthworm breathes through _____

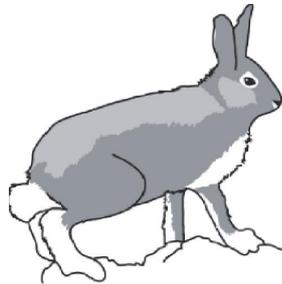
(1) Lungs (2) Gills (3) Moist skin (4) Nose

Q.28 Total number of bones in the body of man is

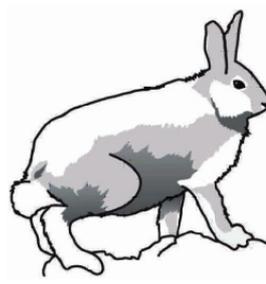
(1) 28 (2) 206 (3) 108 (4) 218

- Q.29 The animals whose body temperature remains constant during all seasons are called _____
 (1) Cold blooded animals (2) Warm blooded animals
 (3) Normal animals (4) Abnormal animals

- Q.30 The pictures below show the change in the fur of an arctic hare from summer to winter.



Fur in summer



Fur in winter

Which of the following statements best describes how this change helps arctic hares?

- (1) It lowers their body temperature (2) It protects their eyes from sunlight
 (3) It helps them to move on slippery ice (4) It makes them less visible to predators
- Q.31 The structural unit of a living being is
 (1) atom (2) molecule
 (3) compound substance (4) cell
- Q.32 Oily covering and air spaces in leaves is an adaptation of
 (1) aquatic plants (2) xeric plants (3) mesophytic plants (4) none of these
- Q.33 A person is suffering from Anaemia, the food recommended for recovery of this disorder are
 (1) Iodised salt & sea food (2) Sea food and milk
 (3) Milk, fish & meat (4) Apple & Spinach
- Q.34 Which of the following statement is true about the habitat ?
 (1) It is a place where conditions for the existence of an organism occur.
 (2) It includes both biotic and abiotic compounds
 (3) Represents the address of an organism
 (4) All are correct
- Q.35 The process an insect undergoes when changing from larva to adult is known as _____
 (1) Photosynthesis (2) Respiration (3) Reproduction (4) Metamorphosis
- Q.36 According to the feeding habits of sparrows i.e. crushing of seeds, their beaks have been specialised as being
 (1) Broad and notched (2) Short & strong
 (3) Sharp and hooked (4) None of these
- Q.37 Mr. Cantu will put 1 flag on each table in the cafeteria for a school event.
 • The cafeteria has 24 rows of tables.
 • There are 4 tables in each row.
 • Mr. Cantu already has 67 flags.
 How many more flags does he need to buy?
 (1) 96 (2) 43 (3) 29 (4) None of these

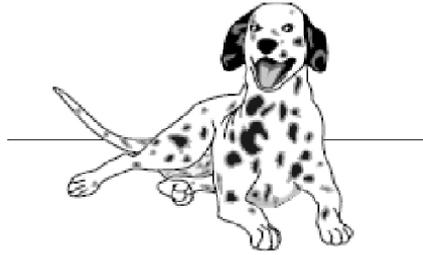
- Q.38 When an arm of an angle is extended then the measure of angle
 (1) Doubles (2) Triples (3) Remains the same (4) None of these
- Q.39 The Perimeter of a rectangle is the same as the Perimeter of the square of the side 9 cm, then the area of the rectangle if its length 10 cm is _____.
 (1) 60 cm^2 (2) 70 cm^2 (3) 80 cm^2 (4) 90 cm^2
- Q.40 Look at the table below. It shows the total number of spelling words Connie will study by the end of 1, 3, 5 and 7 weeks.

Week	Total Number of Words
1	20
3	60
5	100
7	140

Based on this information, which statement is true?

- (1) The total number of words studied will be 20 times the number of weeks.
 (2) The total number of words studied will be 20 more than the number of weeks.
 (3) The total number of words studied will be 40 more than the number of weeks.
 (4) None of these
- Q.41 $2 + \frac{9}{10} + \frac{9}{100} + \frac{9}{1000} + \frac{1}{1000} =$
 (1) 3 (2) 2 (3) 2.999 (4) 2.991
- Q.42 Coach Neal is planning a track meet for 84 students. Each race has 3 teams, with 4 runners on each team. How many races should Coach Neal plan so that each student runs in exactly one race?
 (1) 7 (2) 12 (3) 21 (4) 28
- Q.43 Toshi wants to find out which after-school sport is most popular among all the students at his elementary school. Which of these groups would be best to survey in order to get this information?
 (1) All students at the school (2) All teachers at the school
 (3) All fifth grade students at the school (4) All parents of the students at the school
- Q.44 If 5  can hold 25 litres of water, then 2 such  can hold _____ litres of water.
 (1) 5 L (2) 10 L (3) 15 L (4) 20 L

Q.45 Dalmatians are dogs that are mostly white in color, with an assortment of black dots on their coats.



The coat of the dalmatian above is about $\frac{4}{25}$ black. What percent is equal to $\frac{4}{25}$?

- (1) 14% (2) 16% (3) 18% (4) 20%

Q.46 Mona spent ₹40 and had ₹10 left. What fraction of her money had she spent ?

- (1) $\frac{14}{5}$ (2) $\frac{40}{5}$ (3) $\frac{4}{5}$ (4) $\frac{1}{5}$

Q.47 A pipe leaks 3.5 gallons of water each hour.

Which table represents the total amount of water leaked at the end of each hour?

(1)

Time (Hours)	Water wasted (gallons)
1	3.5
2	3.5
3	3.5
4	3.5
5	3.5

(2)

Time (Hours)	Water wasted (gallons)
1	3.5
2	7
3	10.5
4	14
5	17.5

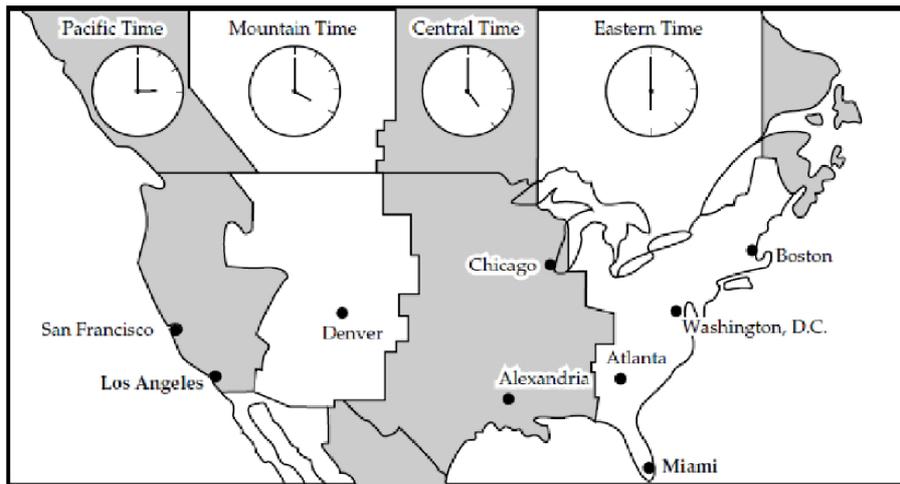
(3)

Time (Hours)	Water wasted (gallons)
1	3.5
2	7
3	21
4	84
5	420

(4)

Time (Hours)	Water wasted (gallons)
1	3.5
2	12.25
3	42.88
4	150.06
5	525.22

Q.48 The continental United States is divided into four time zones: Eastern Time, Central Time, Mountain Time and Pacific Time.



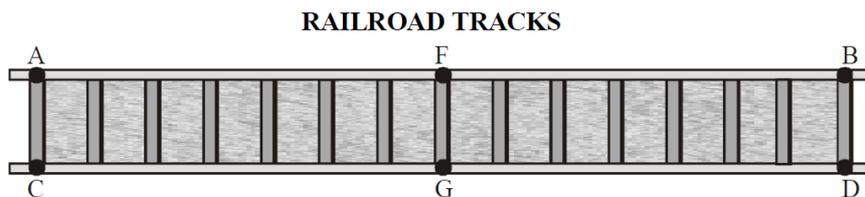
A fifth grade class in Miami, Florida, wants to exchange information by computer with a fifth grade class in Los Angeles, California. When the Miami class logs on to the computer at 2:30 p.m. Eastern Time, what time will it be in Los Angeles?

- (1) 10:30 a.m. (2) 11:30 a.m. (3) 2:30 p.m. (4) 5:30 p.m.

Q.49 Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group ?

- (1) Sun (2) Moon (3) Star (4) Universe

Q.50 In 1869, the transcontinental railroad was completed, linking the east and west coasts of the United States. The picture below shows a straight section of this railroad.



Which line segment is perpendicular to line segment AF ?

- (1) line segment CG (2) line segment FB (3) line segment FG (4) line segment GD

Q.51 Bob covered a floor with carpet.

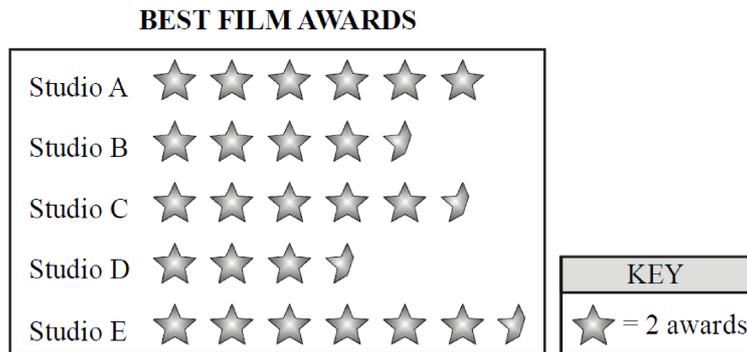
Which unit of measure describes how much carpet he used ?

- (1) inches (2) feet (3) square feet (4) cubic inches

Q.52 Which figure can be made using 3 matchsticks (without breaking the sticks) ?

- (1) Square (2) Rectangle (3) Triangle (4) Circle

- Q.53 The pictograph below shows the number of Best Film awards that have been given to 5 different movie studios.



How many more Best Film awards have been given to Studio E than to Studio D ?

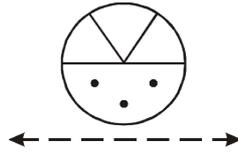
- (1) 3 awards (2) 6 awards (3) 7 awards (4) 13 awards
- Q.54 Russell bought $2\frac{1}{8}$ pounds of turkey and $3\frac{3}{4}$ pounds of roast beef to make sandwiches. Which estimate is reasonable for the amount of meat he bought ?
- (1) 4 pounds (2) 5 pounds (3) 6 pounds (4) 7 pounds
- Q.55 Samantha baked a dessert for her class using the recipe shown below. Samantha used the least amount of which ingredient?
- (1) $\frac{3}{4}$ cup chopped apples (2) $\frac{1}{2}$ cup oats
- (3) $\frac{2}{3}$ cup cranberry sauce (4) $\frac{1}{4}$ cup brown sugar
- Q.56 Which two numbers have a difference of $\frac{2}{5}$?

- (1) $18\frac{2}{3}$ and $15\frac{1}{10}$ (2) $18\frac{5}{10}$ and $18\frac{1}{10}$ (3) $18\frac{1}{4}$ and $18\frac{1}{8}$ (4) $18\frac{5}{4}$ and $15\frac{1}{2}$

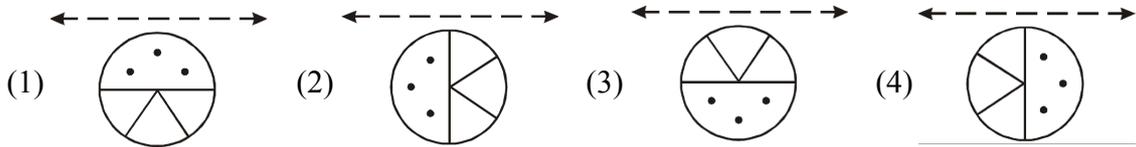
Q.57 $\frac{4}{7} + \frac{11}{7} + \frac{1}{7} = ?$

- (1) $\frac{16}{7}$ (2) $\frac{1}{2}$ (3) $\frac{1}{7}$ (4) $\frac{1}{14}$

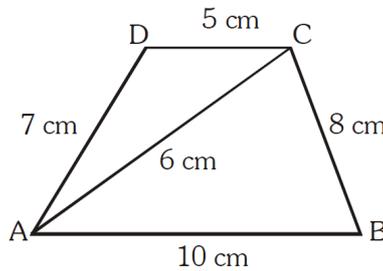
Q.58 In art class, Rita drew the design below.



For her second design, she rotated the design 180 degrees and then flipped it over the dashed line. Which of the figures below represents Rita's second design?

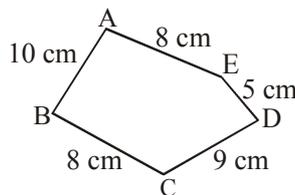


Q.59 Find the perimeter of the following figure ABCD.



- (1) 30 cm (2) 36 cm (3) 42 cm (4) 24 cm

Q.60 Find the perimeter of the following figure?



- (1) 39 (2) 40 (3) 30 (4) 50

Q.61 Find the correct option.

90000	99000	99900	99990	?
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- (1) 11111 (2) 99991 (3) 99999 (4) 9999

Q.62 In a certain code, MADRAS is coded as NBESBT. How BOMBAY coded in that code ?

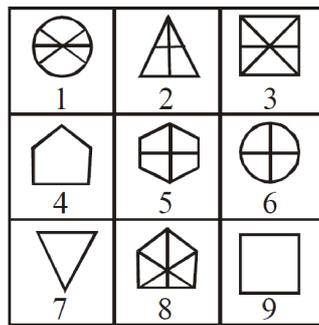
- (1) CPNCBX (2) CPNCBZ (3) CPOCBZ (4) CQOCBZ

Q.63 If A means 'plus', B means 'minus', C means 'divided by' and D means 'multiplied by' then $18 A 12 C 6 D 2 B 5$ equals _____

- (1) 17 (2) 25 (3) 27 (4) 45

Direction (64) : In the following question, there are four choices. Three of them are alike and form a group, while one of them is different. Find the odd-man-out as directed.

- Q.64 (1) Triangle (2) Square (3) Circle (4) Rectangle
- Q.65 X is brother of Y. B is brother of A. A is mother of X. What is B of Y?
 (1) Aunt (2) Niece (3) Nephew (4) Uncle
- Q.66 Anil left home and cycled 10 km Southwards, turned right and cycled 5 km & turned right and cycled 10 km and turned left and cycled 10 km. How many kilometres will he have to cycle to reach his home straight?
 (1) 10 km (2) 15 km (3) 20 km (4) 25 km
- Q.67 If the first and last i.e. the first and the 26th letter of the English alphabet are paired, the second and 25th, the third and the 24th and so on are paired which of the following would be such a pair?
 (1) EW (2) BY (3) FV (4) BW
- Q.68 Group the following figures into three classes regarding common properties amongst them.



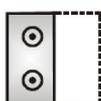
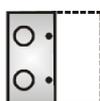
- (1) 4, 7, 9; 2, 5, 8; 1, 3, 6 (2) 4, 7, 9; 2, 5, 6; 1, 3, 8
 (3) 1, 2, 3; 4, 5, 6; 7, 8, 9 (4) 1, 2, 3; 4, 7, 9; 5, 6, 8

Q.69 '**Bird**' is related to '**Nest**' in the same way as '**Bees**' is related to _____ .
 (1) Aquarium (2) Hive (3) Aviary (4) Tree

Q.70 In the following question, a transparent sheet X with a design and a dotted line on it is given. This sheet X is to be folded along the dotted line. Choose the correct figure from the four alternatives, that is similar to the folded form of the sheet X.



Transparent sheet (X)

- (1) 
- (2) 
- (3) 
- (4) 

Q.71 Find the missing terms(s)

29, 34, 32, 37, 35, 40, ?

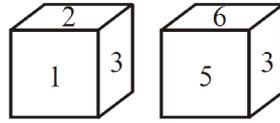
(1) 24

(2) 27

(3) 36

(4) 38

Q.72 The positions of a dice are shown below. Which digit will appear on the face opposite the face with number 4 ?



(1) 3

(2) 5

(3) 6

(4) 2

Direction : (73) Arrange the words in the sequence in which they occur in dictionary. Find out the correct alternative and mark it on your answer- sheet.

Q.73 (A) Virtuous

(B) Virulence

(C) Viscous

(D) Visionary

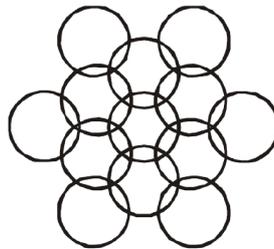
(1) A, B, C, D

(2) B, A, C, D

(3) C, D, A, B

(4) D, A, B, C

Q.74 How many circles are there in the below figure?



(1) 13

(2) 16

(3) 15

(4) 10

Q.75 In the following question, choose the pair of words that show the same relationship as given in the above pair

Summer : Raining

(1) Monday : Sunday

(2) Summer : Winter

(3) December : January

(4) Licence : Driving

Q.76 In the following question, four words are given. Which of them will come at the third position if all of them are arranged alphabetically as in a dictionary ?

(1) Heaven

(2) Hillock

(3) Hawker

(4) Hilt

Direction : (Q.77 & Q.78) : P, Q, R, S, T, U, V and W are sitting round the circle and facing the centre P is second to the right of T who is the neighbour of R and V.

S is not the neighbour of U.

V is the neighbour of U.

Q is not between S and W. W is between Q and S.

Q.77 What is the position of S ?

(1) Between U and V

(2) Second to the right of P

(3) To the immediate right of P

(4) Data inadequate

Q.78 Which two of the following are not immediate neighbours ?

(1) R and V

(2) U and V

(3) R and P

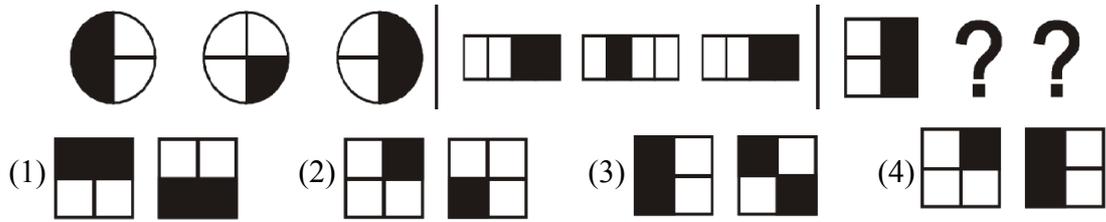
(4) Q and W

Q.79 Find the missing character from amongst the given alternatives.



- (1) 37 (2) 38 (3) 39 (4) 42

Q.80 What should come next?



ANSWER KEY

Class : V

SAMPLE PAPER

Q.1	3	Q.31	4	Q.61	3
Q.2	3	Q.32	1	Q.62	2
Q.3	3	Q.33	4	Q.63	1
Q.4	1	Q.34	4	Q.64	3
Q.5	2	Q.35	4	Q.65	4
Q.6	3	Q.36	2	Q.66	2
Q.7	3	Q.37	3	Q.67	2
Q.8	4	Q.38	3	Q.68	2
Q.9	1	Q.39	3	Q.69	2
Q.10	4	Q.40	1	Q.70	3
Q.11	4	Q.41	1	Q.71	4
Q.12	3	Q.42	1	Q.72	1
Q.13	3	Q.43	2	Q.73	1
Q.14	2	Q.44	2	Q.74	1
Q.15	2	Q.45	2	Q.75	3
Q.16	1	Q.46	3	Q.76	2
Q.17	4	Q.47	2	Q.77	3
Q.18	2	Q.48	2	Q.78	1
Q.19	3	Q.49	4	Q.79	2
Q.20	3	Q.50	3	Q.80	4
Q.21	4	Q.51	3		
Q.22	1	Q.52	3		
Q.23	2	Q.53	2		
Q.24	2	Q.54	3		
Q.25	2	Q.55	4		
Q.26	3	Q.56	2		
Q.27	3	Q.57	1		
Q.28	2	Q.58	1		
Q.29	2	Q.59	1		
Q.30	4	Q.60	2		

