NMMS – 2024-25

Category **A**

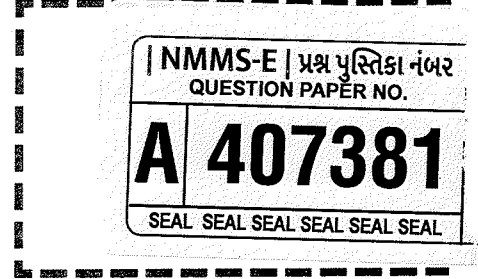**TOTAL TIME : 180 Minutes**   **Exam Time : 3:00 HOURS**   **TOTAL MARKS : 180**

SEAT No.

INSTRUCTIONS FOR STUDENTS

Please read the following instructions carefully and then answer the questions on OMR answer sheet only.

1. The following table contains number of sections, total number of questions, time and marks allotted.

Section	Name of section	Que. No.	Time	Marks
1	MENTAL ABILITY TEST	1 to 90	90 Minutes	90
2	SCHOLASTIC APTITUDE TEST	91 to 180	90 Minutes	90
	Total	**180 Questions**	**180 Minutes**	**180 Marks**

2. Section - 2 contains Que. No. 91 to 180 SCHOLASTIC APTITUDE TEST (Maths, Science & Technology and Social Science).

3. **All questions are compulsory.**

4. The blank pages are given in this question booklet for rough work.

5. Be careful to answer all the questions of both the sections in the same OMR SHEET only.

6. You must have to submit the OMR SHEET to the invigilator upon completion of the examination.

7. Gujarati version of the question paper will be considered as final in case of any controversy arising out of variation in translated version.

8. It is compulsory for each student to write the series (A,B,C,D and E) of the question paper on the OMR SHEET.

SPACE FOR ROUGH WORK

(1) Which will be the next number 3, 6, 12, 24, 48, ...?.........?

(A) 100   (B) 96   (C) 64   (D) 72

(2) Which number will come next 1, 1, 2, 9, 5, 8, ...?.........?

(A) 13   (B) 11   (C) 10   (D) 9

(3) Find the number that comes next 3, 9, 27, 81, ...?.........?

(A) 243   (B) 256   (C) 225   (D) 200

(4) The pattern of mountain ranges on the earth can be best described as ....

(A) Random   (B) Circular

(C) Linear   (D) Irregular

(5) Which of the following shapes correctly describes the border of continents like (Asia, Africa, Europe) ?

(A) Square   (B) Triangular

(C) Irregular   (D) Circular

(6) Name the polygon that consists six sides.

(A) Decagon   (B) Octagon

(C) Pentagon   (D) Hexagon

(7) Which among the following is correct about regular hexagon ?

(A) Each angle is of 90^0

(B) Each angle is of 60^0

(C) Each angle is of 120^0

(D) Each angle is of 180^0

(8) If square is rotated at 90^0 around its centre, then its shape will be ....

(A) Rectangle   (B) Square

(C) Rhombus   (D) Pentagon

(9) The number of diagonals of Hexagon are ....

(A) 9   (B) 12   (C) 6   (D) 8

(10) Book : Reading : : Spoon : ....

(A) Spoon race   (B) Writing

(C) Stirring   (D) Eating

(11)   If Bulb is on, Switch must be on. I have ensured that switch is on, then what can I assert ?

   (A) Bulb is on   (B) Bulb is off

   (C) Bulb may either be on or be off   (D) Bulb is definitely off

(12)   Mammals have the fur or hair on the skin. Dog is a mammal. What can we infer about dog ?

   (A) Dog has the fur or hair

   (B) Dog doesn't have the fur or hair

   (C) Dog has sharp teeth

   (D) Dog hangs its tongue out while gasping

(13)   If all the flowers are rose and some flowers wilt or discolour faster. What can we infer from the following ?

   (A) Some roses don't wilt or discolour fast

   (B) Few roses don't wilt or discolour fast

   (C) All the roses wilt or discolour fast

   (D) Some flowers are not roses

(14)   Find the synonym of "Plenty"

   (A) rare   (B) flooded

   (C) a lot of   (D) sufficient

(15)   If two trains standing at the distance of 220 km from each other, begins to travel towards each other with 50 km/h and 60 km/h speed respectively, how much time will they take to cross each other?

   (A) 2 hours   (B) 2.5 hours

   (C) 3 hours   (D) 3.5 hours

(16)   Sharmishtha is older than Aarti, Aarti is older than Geeta, Geeta is older than Leela. What among the following is correct contextually ?

   (A) Sharmishtha is younger than Leela   (B) Sharmishtha is older than Leela

   (C) Aarti is older than Sharmishtha   (D) Leela is older than Aarti

(17)   A lady while indicating the photograph said, "This person is a wife of my husband's brother ?" How is the person in the photograph related to the lady ?

   (A) Sister - in - law [Nanand]   (B) Daughter - in - law

   (C) Sister- in - law [Derani]   (D) Mother - in - law

(18)   Find out the next number. 1, 3, 7, 15, 31, ...

     (A) 61   (B) 63

     (C) 65   (D) 67

(19)   Which is the most logical way of problem solving ?

     (A) To infer and hope for the best

     (B) To discover the pattern and understand reasons

     (C) To ignore all past experiences and to make a fresh start

     (D) To depend upon the opinions of others without verifying the facts

(20)   Which is the first step of critical thinking while encountering with complex problem ?

     (A) To conclude

     (B) To collect information and understand the problem

     (C) To ask others' opinions without self thinking

     (D) To ignore the problem until it is resolved

(21)   A friend asserts that consuming carrot is good for eye-vision. How will you evaluate this assertion ?

     (A) To believe because it is asserted by your friend

     (B) To study the reliable sources to verify if it is approved scientifically

     (C) To respond him/her immediately that his/her assertion is incorrect

     (D) To ignore him/her because it is not important

(22)   What should be taken care of while taking tough decisions ?

     (A) Decide on the base of emotions

     (B) Analyze merits and demerits and think over its long term result

     (C) Follow the way others do

     (D) Take rapid decision in order to avoid stress

(23)   "If the cost of two erasers, is Rs. 1.50, how much does the ten eraser cost ?" Which is the best method to solve it ?

     (A) Multiply Rs. 1.50 with 10

     (B) Divide Rs. 1.50 by 2, then multiply it with 10

     (C) Use calculator to divide 10 by 2

     (D) Add Rs. 1.5 ten times

(24) If the price of any commodity is reduced by 25 %, What about the total price of that commodity?

(A) It increases by 25 %

(B) It reduces by 25 %

(C) It remains same

(D) It reduces by more than 25 %

(25) An age of a man is five times the age of his son. In 20 years, a man grows 3 times older than his son. What must be the present age of a man ?

(A) 80 year

(B) 90 year

(C) 100 year

(D) 110 year

(26) Jaykumar is Kokilaben's son, Daxaben is Kokilaben's sister, Raiben is Daxaben's mother, Sureshbhai is Raiben's son, which among the following sentence is correct ?

(A) Jaykumar and Sureshbhai are cousins

(B) Sureshbhai is Jaykumar's uncle

(C) Daxaben is Jaykumar's Aunt

(D) Kokilaben and Sureshbhai are cousins

(27) March : August : : C : ....

(A) G

(B) I

(C) H

(D) J

(28) A cuboid consisting 10 cm length, 8 cm breadth, 8 cm height, is divided in the cubes consisting 2 cm height, How many such cubes will be formed ?

(A) 70   (B) 60   (C) 88   (D) 80

(29) Which among the following correctly represents the mathematical relation of 5^4 and 4^5

(A) =

(B) <

(C) >

(D) Approximately =

(30) Dipakbhai is Ravibhai's brother, Rekhaben is Atulbhai's sister, Ravibhai is Rekhaben's son then Dipakbhai is Rekhaben's .... ?

(A) Son

(B) Brother

(C) Nephew

(D) Mother

(31) Salt : NaC1 , Water : ....

(A) H_3O^+

(B) NaOH

(C) H_2O

(D) OH^-

(32) National Science Day : 28th February , National Mathematics Day : ....

(A) 22nd March

(B) 22nd August

(C) 22nd September

(D) 22nd December

(33) If Payal is standing on the ground at 7:00 in the morning, her shadow will fall towards ....

(A) East

(B) West

(C) North

(D) South

(34) If Snehal stands 27th from the top and 20th from the bottom in her class. What should be the total strength of the class ?

(A) 45

(B) 46

(C) 47

(D) 48

(35) ACE, FHJ, KMO, ...

(A) PQR

(B) QRS

(C) PRT

(D) SRQ

(36) Arrange the Following words in correct alphabetical order Ant, Apple, Animal, Arrange, Accept

(A) Animal, Apple, Ant, Accept, Arrange

(B) Arrange, Ant, Apple, Accept, Animal

(C) Accept, Animal, Ant, Apple, Arrange

(D) Apple, Ant, Animal, Accept, Arrange

(37) Which among the following word, can be formed with the alphabets 'CARRIER' ?

(A) FEAR

(B) DEAR

(C) REAR

(D) CARD

(38) Find out the correct water image

QUESTION

(A) ꝞUEꙄꓕIOИ

(B) ϭꓵ ƎꙄꓕIOИ

(C) ИOIꓕꙄƎꝞꝺ

(D) ϭꓵEꙄꓕIOИ
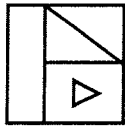
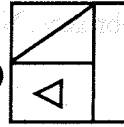(39) Find out the correct water image
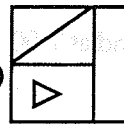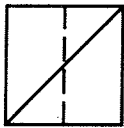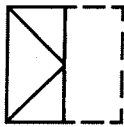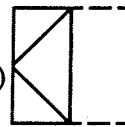
(A)
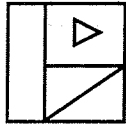
(B)

(C)
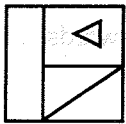
(D)

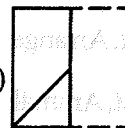(40) Find out the correct option from the following figure, if a transparent paper is folded from right to left ?

(A)

(B)

(C)

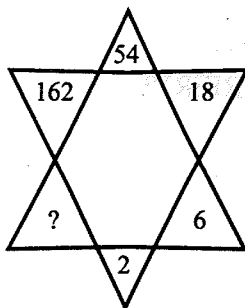(D)

(41)

(A) 169

(B) 486

(C) 480

(D) 500

(42) How many squares does the following figure contain ?

(A) 8   (B) 7

(C) 10   (D) 12
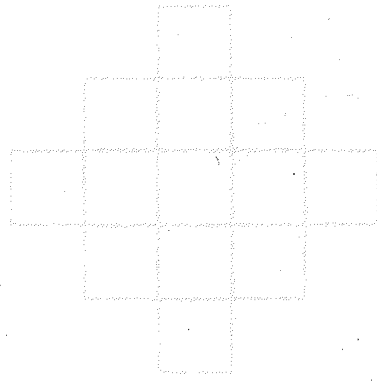
(43) Complete the series. 1Z, 3X, 5V, ...

(A) 6 U   (B) 7 T

(C) 7 W   (D) 6 T

(44) Complete the series. $\frac{1}{2}, \frac{3}{2}, \frac{5}{2}, \frac{7}{2},$ ....

(A) $\frac{8}{2}$ (B) $\frac{7}{3}$

(C) $\frac{9}{3}$ (D) $\frac{9}{2}$

(45) Complete the series. B, H, M, Q, T, ...

(A) U   (B) W

(C) V   (D) X

(46) The optimum number of rectangles in the following figure is ....

(A) 6   (B) 8
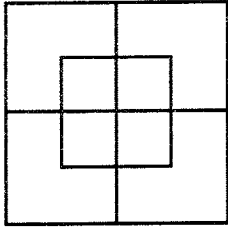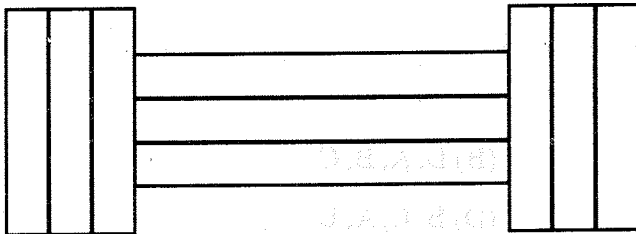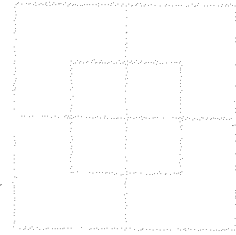
(C) 9   (D) 10

(47) How many maximum square does the following figure contain ?
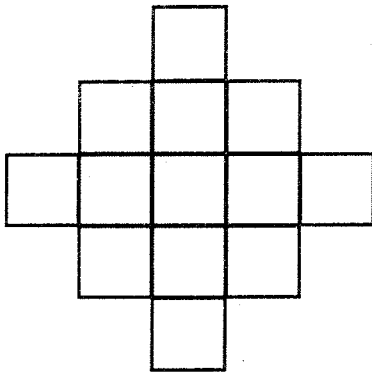
(A) 22   (B) 18

(C) 20   (D) 16

(48) Arrange the following alphabets in correct alphabetical order

PICTURE

(A) CEIPRUT   (B) CEIRUTP

(C) CEIPRTU   (D) CEIPURT

(49) A 100 mt. long train is at the middle of the 150 mt. long platform. How much distance should a train travel so that it can cross and leave the platform completely ?

(A) 100 mt.   (B) 125 mt.

(C) 150 mt.   (D) 175 mt.

(50) Arrange the following fruits in descending order as per their size.

A. Lemon

B. Watermelon

C. Mango

D. Oranges

(A) D, B, A, C   (B) D, A, B, C
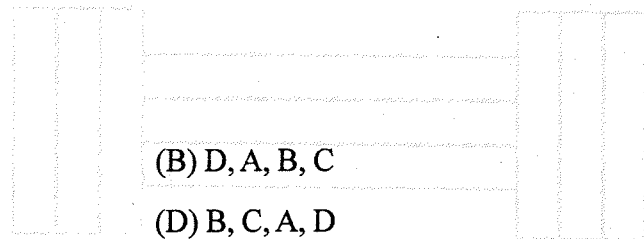
(C) D, A, C, B   (D) B, C, A, D

(51) If a number divided by 6 and there remains 0, then what will remain if same number is divided by 3 ?

(A) 0   (B) 2

(C) 3   (D) 6

(52) In the following series, english words are coded in a particular pattern or way. Find the pattern and match the last word correctly from the options given below.

KIRAN = IKRNA, TWINKLE = IWTNELK, RUTVI = (?)

(A) URTVI   (B) RUTIV

(C) IVTUR   (D) URTIV

(53) If AGE = ZTV, COLD = XLOW, then SAME = (?)

(A) ZHNV   (B) HZNV

(C) HZVN   (D) ZHVN

(54) Gujarati words are coded and represented in the following way

Digit :   2 4 6 8   1 3 5   7 9 0

Alphabet : ક ળ ર વ   અ જ ય   મ ગ ન

then find the correct match for

અમનરમ = ?

(A) 17076   (B) 17706

(C) 17067   (D) 17760

(55) Arrange the following options logically in descending order

1. Uranus   2. Saturn

3. Neptune   4. Jupiter

(A) 1, 2, 3, 4   (B) 2, 3, 1, 4

(C) 4, 2, 1, 3   (D) 4, 2, 3, 1

(56) Arrange the following options logically in descending order

1. Sabarkantha   2. Bharat

3. Asia   4. Gujarat

(A) 3, 2, 4, 1   (B) 3, 2, 1, 4

(C) 3, 1, 2, 4   (D) 3, 1, 4, 2

(57) Arrange the following options logically in descending order

1. flower   2. seed

3. fruit   4. plant

(A) 2, 1, 3, 4   (B) 2, 1, 4, 3

(C) 2, 4, 3, 1   (D) 2, 4, 1, 3

(58) A mirror is symbolically represented, how will be the mirror image of a given figure ?

(A)

(B)

(C)

(D)
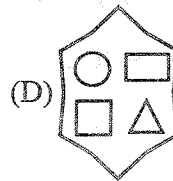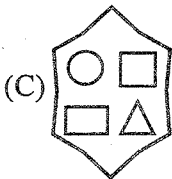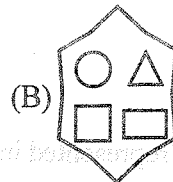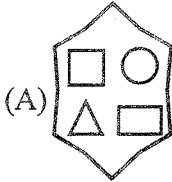
(59) A mirror is symbolically represented, how will be the mirror image of a given figure ?

(A)

(B)

(C)

(D)
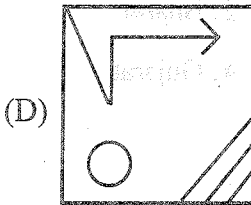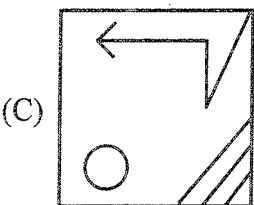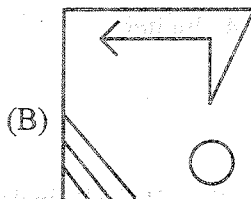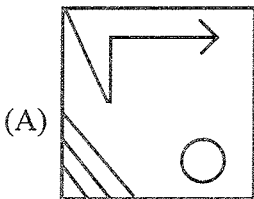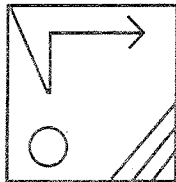
(60) Find out the correct option on the base of given analogy

Jaipur : Rajasthan : : Lucknow : ....

(A) Gujarat   (B) M.P.

(C) Bihar   (D) U.P.

(61) Thermometer : Temperature : : Watch : .... (Find out the correct option on the base of given analogy)

   (A) Hour   (B) Time

   (C) Second   (D) Minute

(62) 3 : 27 : : 5 : .... (Find out the correct option on the base of given analogy)

   (A) 25   (B) 120

   (C) 125   (D) 50

(63) Frock : cloth : : chair : .... (Find out the correct option on the base of given analogy)

   (A) Table   (B) Bench

   (C) Wood   (D) Room

(64) If a card is drawn at random from 52 cards, what can be the probability of that card being a red ace ?

   (A) $\frac{1}{52}$ (B) $\frac{3}{52}$

   (C) $\frac{4}{52}$ (D) $\frac{5}{52}$

(65) 2.5 hour = ... minute.

   (A) 120   (B) 140

   (C) 150   (D) 250

(66) $(1)^{2025} + (2025)^0 = $ ....

   (A) 1   (B) 2

   (C) 0   (D) 2025

(67) If 7th January is a Tuesday, 21st January will be ....

   (A) Tuesday   (B) Wednesday

   (C) Thursday   (D) Monday

(68) Sofia walks in the west for 2 km, then she turns left and walks 1 km. She again turns right and walks 1 km, now Sofia must be walking facing .... direction.

   (A) North   (B) South

   (C) West   (D) East

(69) On the basis of the following figure answer Q. No. from 69 to 71 .
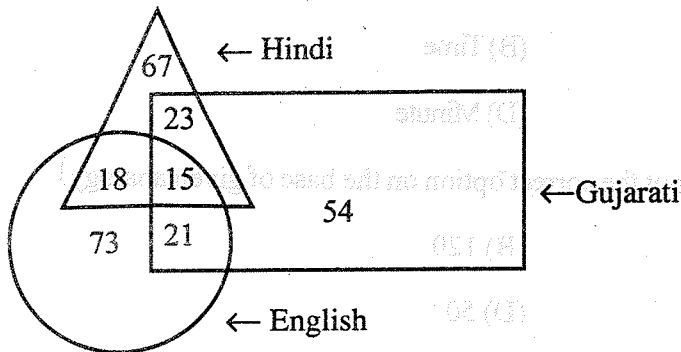
The Number of Gujarati Speaking people ....

(A) 21   (B) 23

(C) 54   (D) 15

(70) The Number of people speaking both Hindi and English ....

(A) 18   (B) 15

(C) 21   (D) 23

(71) The Number of people speaking both Hindi, Gujarati and English ....

(A) 18   (B) 15

(C) 23   (D) 21

(72) Consider the analogical relation given below and choose the correct option

Gujarati : Garba, West Bengal : ....

(A) Onam   (B) Holi

(C) Durga puja   (D) Ganesh chaturthi

(73) Kutch : Bhuj, Narmada : ....

(A) Kevdiya   (B) Ahwa

(C) Modasa   (D) Rajpipala

(74) Find out an odd District.

(A) Jamnagar   (B) Bhavnagar

(C) Rajkot   (D) Surat

(75) Find out an odd Game.

(A) Cricket   (B) Chess

(C) Volleyball   (D) Kabaddi

(76) Country : President, State : ....

(A) Chief minister   (B) Governor

(C) Member of State legislative Assembly   (D) Member of Parliament

(77) Village : Sarapanch, Municipality : ....

(A) President   (B) M.L.A.

(C) Commissioner   (D) Mayor

(78) Arrange the Following Indian states from East to West.

1. Bihar   2. M.P.

3. Nagaland   4. Sikkim

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

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

(79) Arrange the Following Cities from North to South.

1. Bhopal   2. Chandigarh

3. Hyderabad   4. Jaipur

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

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

(80) Arrange the following minerals in ascending order on the base of price.

1. Copper   2. Gold

3. Steel   4. Silver

5. Uranium

(A) 3 - 1 - 4 - 2 - 5   (B) 1 - 3 - 4 - 2 - 5

(C) 3 - 1 - 5 - 4 - 2   (D) 1 - 3 - 4 - 5 - 2

(81) Identify the incorrect pair

(A) Gandhinagar - Akshardham

(B) Sabarkantha - Pavagadh

(C) Junagadh - Girnar

(D) Anand - Amul Dairy
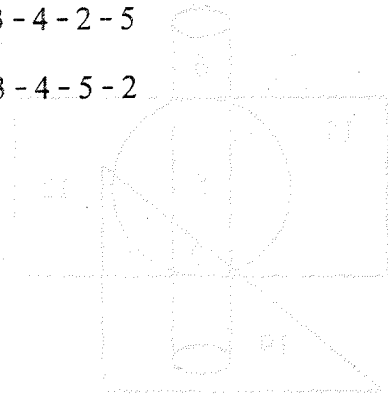
(82) Match the following correctly

A	B
A. Environment Day	1. 14 November
B. Gandhi Jayanti	2. 5 June
C. Baal Din	3. 2 October
D. Teacher's Day	4. 5 September

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

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

(83) Find the incorrect statement

1. Lunar Eclipse takes place on Full Moon day

2. Spring is the beginning of monsoon

3. Shishir falls in winter season

4. Navratri falls in Sharad ritu

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

(84) Find the correct statement

1. One must visit Junagadh or Gir Somnath in order to view lions

2. Wild ass is a specific animal of desert

3. Nalsarovar is a bird sanctuary

4. Velavadar is a Tiger sanctuary

(A) 1 and 2   (B) 1, 2 and 3   (C) 1 and 3   (D) All above

(85) Which digit falls in all the following figures?

(A) 3   (B) 5   (C) 6   (D) 19

(86)

	3		
5		8	
4 —		— ?	
2		125	
	27		
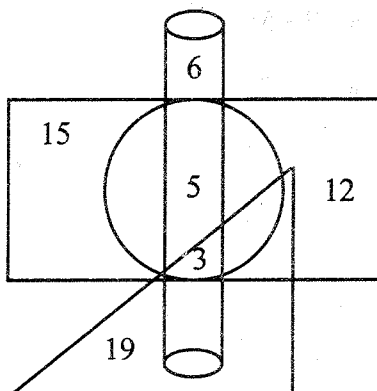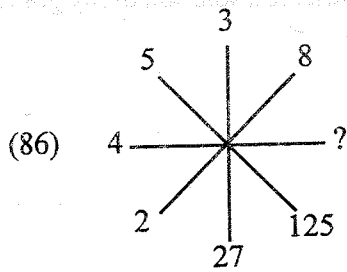
(A) 8   (B) 16   (C) 64   (D) 32

(87) Following three figures represent a particular relation. Find the correct option for [?]

(A)   (B)

(C)   (D)
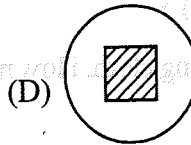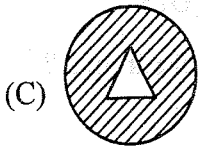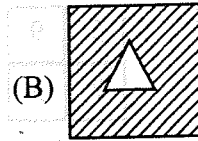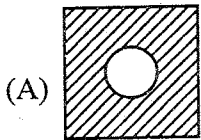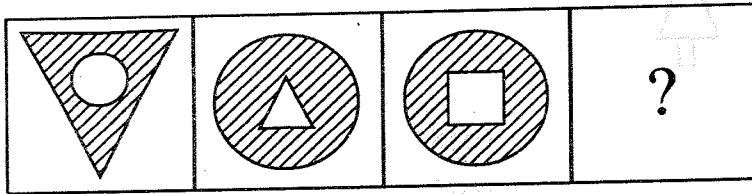
(88) Following three figures represent a particular relation. Find the correct option for [?]

(A)   (B)

(C)   (D)
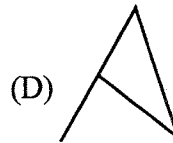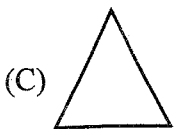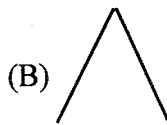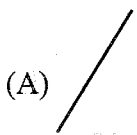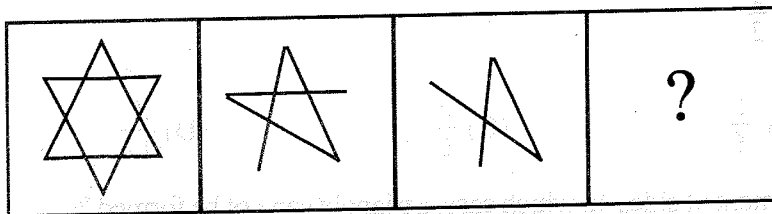
(89) A lady indicating a finger towards a man and said, "A father of his brother is a sole son of my grand father", then a lady must be a .... of that man

(A) Maternal Aunt   (B) Daughter

(C) Sister   (D) Mother

(90) The sum of the numbers from 1 to 20 = ...

(A) 200   (B) 210

(C) 220   (D) 420

(91) 84 △ 14   81 △ 18   88 △ ?
      12   9   11

(A) 16   (B) 8

(C) 18   (D) 9

(92)

4	8
3	2

9	7
6	3

5	9
?	5

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

(93) Jaimin owns 21.6 metre long cloth. How many piece of 1.8 metre can he make from it ?

(A) 10 piece   (B) 12 piece

(C) 20 piece   (D) 16 piece

(94) Find an average of $\frac{1}{2}$ and $\frac{1}{3}$

(A) $\frac{1}{6}$ (B) $\frac{5}{6}$ (C) $\frac{2}{6}$ (D) $\frac{5}{12}$

(95) Following are the measurement of sides, in which case, a triangle can not be formed ?

(A) 2cm, 3cm, 5cm   (B) 3cm, 6cm, 7cm

(C) 8cm, 6cm, 10cm   (D) 10.2cm, 5.8cm, 4.5cm

(96) What will be the selling price of the toy, costing Rs.150 if a shopkeeper sells it by 22% loss?

(A) Rs. 130   (B) Rs. 183

(C) Rs.117   (D) Rs. 127

(97) Arrange the following rational numbers in ascending order

$$\frac{-3}{7}, \frac{-3}{2}, \frac{-3}{4}, \frac{-3}{11}$$

(A) $\frac{-3}{7}, \frac{-3}{4}, \frac{-3}{2}, \frac{-3}{11}$

(B) $\frac{-3}{11}, \frac{-3}{7}, \frac{-3}{4}, \frac{-3}{2}$

(C) $\frac{-3}{4}, \frac{-3}{2}, \frac{-3}{11}, \frac{-3}{7}$

(D) $\frac{-3}{2}, \frac{-3}{4}, \frac{-3}{7}, \frac{-3}{11}$
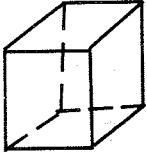
(98) Find the option that correctly represents the number of edges, faces and vertices.

(A) 15, 7, 10   (B) 12, 6, 8

(C) 15, 6, 11   (D) 8, 6, 12

(99) $\left[\frac{7}{3} \times \left(\frac{-6}{13}\right)\right] + \left[\frac{7}{5} \times \frac{6}{13}\right] = \dots\dots\dots\dots\dots$

(A) 0   (B) $\frac{42}{65}$ (C) $\frac{84}{65}$ (D) 1

(100) A regular polygon consisting each external angle of 60^0 is called $\dots\dots\dots\dots\dots$

(A) Regular Octagon   (B) Quadrilateral

(C) Regular Hexagon   (D) Triangle

(101)

Language	No. of Students
Gujarati	40
English	12
Urdu	9
Hindi	7
Sindhi	4

A percentage of Urdu speaking people is $\dots\dots\dots\dots$

(A) 25 %   (B) 36 %

(C) 10 %   (D) 12.5 %

(102) Which among the following is the smallest square number which is divisible by 6, 9, and 15 ?

(A) 810   (B) 900   (C) 90   (D) 400

(103) Tanuja has planted 4 plants in a row in school garden by keeping the distance of $\frac{3}{4}$ metre between two consecutive plants. Find the distance from the first plant to the last plant

(A) $2\frac{3}{4}$ metre

(B) $3\frac{2}{4}$ metre

(C) $2\frac{1}{4}$ metre

(D) $\frac{9}{4}$ metre

(104) Identify the pair of internal angles in following figure
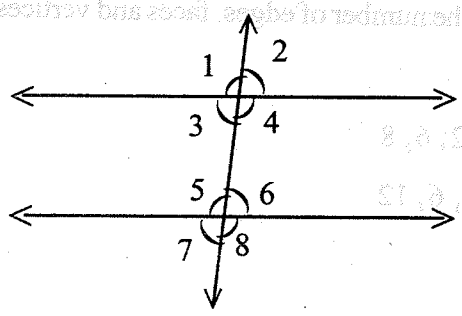
(A) $\angle 1$ and $\angle 2$, $\angle 7$ and $\angle 8$

(B) $\angle 1$ and $\angle 5$, $\angle 2$ and $\angle 6$

(C) $\angle 3$ and $\angle 5$, $\angle 4$ and $\angle 6$

(D) $\angle 3$ and $\angle 6$, $\angle 4$ and $\angle 5$

(105) Which among the following pair of rational number is not equal?

(A) $\frac{-4}{-5}=\frac{4}{5}$

(B) $\frac{-5}{8}=\frac{15}{-24}$

(C) $\frac{1}{-3}=\frac{3}{-9}$

(D) $\frac{-7}{21}=\frac{3}{9}$

(106) Calculate the value of $4(2x-1)+3x+11$, if $x=-2$?

(A) -4

(B) -25

(C) 25

(D) 29

(107) In which of the following figure, can the infinite lines of symmetry be represented ?

(A) Regular Hexagon

(B) Rectangle

(C) Quardrilateral

(D) Circle

(108) If each angle of regular polygon is of 20 degree, then it consists .... sides

(A) 16

(B) 18

(C) 20

(D) 24

(109) In a school, there are 640 students present. Teacher arranges them in the way as the number of row and column remains same on the P.T. ground. How many students need to be excluded for it?

(A) 5

(B) 10

(C) 15

(D) 20

(110) Manish spent 75% of his total salary. Now there remains Rs.3000 with him, then the total salary of Manish must be ....

(A) 9000

(B) 10000

(C) 11000

(D) 12000

(111) If the length of cuboid is mn, breadth mp^2 and height m^2n^2p, find its volume

(A) $m^3 n^3 p^3$

(B) $m^3 n^4 p^3$

(C) $m^4 n^3 p^3$

(D) $m^2 n^3 p^4$

(112) If the length of two diagonals of a trapezoid is 8.5cm and 16cm respectively then the area of trapezoid is ....

(A) 64

(B) 64.5

(C) 68.5

(D) 68

(113) If the size of the plant cell is 0.00001275, it can be represented in standard form as ....

(A) 1275×10^{-5} mt.

(B) 1.275×10^{-5} mt.

(C) 127.5×10^{-5} mt.

(D) 12.75×10^{-5} mt.

(114) In one cold drink manufacturing factory, a machine fills 840 bottles in 6 hours. How many bottles can a machine fill in 5 hours?

(A) 740

(B) 730

(C) 710

(D) 700

(115) Which among the following is incorrect statement about rational number?

(A) They follow cumulative property in addition and multiplication

(B) They follow associative property in addition and multiplication

(C) For addition and multiplication, 1 is a neutral number

(D) For rational numbers a, b, c , a (a + b) = ab + ac and a (a – b) = ab – ac, indicates

distributive property

(116) A car runs for 16 km on 1 litre, how far can it run on $2\frac{3}{4}$ litre petrol

(A) 44 km.

(B) 23 km.

(C) 48 km.

(D) 24 km.

(117) Find the Median

13, 16, 12, 14, 19, 12, 14, 13, 14

(A) 14   (B) 13   (C) 19   (D) 12

(118) A bag contains 4 red colour and 2 yellow colour balls. If one drags out a ball randomly, what is the probability of its being green?

(A) $\frac{6}{6}$ (B) $\frac{4}{6}$

(C) $\frac{2}{6}$ (D) 0

(119) Find the ratio of 18 boys and 12 girls

(A) 8 : 2   (B) 5 : 4

(C) 2 : 3   (D) 3 : 2

(120) Which of the following statements is incorrect in case of angles formed by line while intersecting the parallel lines?

(A) The measurement of corresponding angles is same

(B) The pair of internal corresponding angles are complementary to each other

(C) The internal angles lying on the same side of transversal are complementary to each other

(D) The pair of internal corresponding angles is equal

(121) If 4 water containers are filled with equal water and kept under the sunlight, the water in the container with .... surface will get warmer fast.

(A) Pink   (B) Green

(C) Black   (D) Yellow

(122) Which among the following is incorrect about the plain mirror

(A) Gives erect image

(B) Gives virtual image

(C) Distance of an object and image remains same

(D) Gives smaller image than object

(123) What should be added to the soil if its nature is basic ?

(A) Carbon substance   (B) Quick lime

(C) Slacked Lime   (D) Calamine Solution

(124) Which among the following is Kharif crop?

(A) Gram

(B) Peas

(C) Paddy

(D) Mustard

(125) Cultivator is used for ....

(A) sowing

(B) ploughing

(C) sprinkling fertilizer

(D) harvesting

(126) The .... disease is caused by virus

(A) Cholera

(B) Typhoid

(C) T.B.

(D) Polio

(127) The main function of Lactobacillus bacteria is ....

(A) To convert milk into curd

(B) To increase soil fertility

(C) To decompose the waste

(D) To ferment

(128) The meaning of 'petro' in the word petroleum is ....

(A) Petrol

(B) Soil

(C) Oil

(D) Rock

(129) Which among following substance has the highest ignition temperature ?

(A) Petrol

(B) CNG

(C) Wood

(D) Kerosene

(130) What is Bison that is usually found in Panchmarhi Bio-Reserve ?

(A) Wild mango tree

(B) Huge squirrel

(C) Flying squirrel

(D) Wild Bullock

(131) The growing voice box in boys can be seen as a protruding part of the throat, is called ....

(A) Larynx

(B) Angst

(C) Trachea

(D) Adam's apple

(132) .... Gland is connected with brain ?

(A) Thyroid

(B) Pancreas

(C) Pituitary

(D) Adrenalin

(133) .... helps our body produce blood.

(A) Iron   (B) Fat

(C) Carbohydrate   (D) Vitamin

(134) Which among the following pair is incorrect ?

(A) Formic Acid - Ant's sting   (B) Acetic Acid - Vinegar

(C) Lactic Acid - Curd   (D) Oxalic Acid - Orange

(135) When Vinegar and Baking soda react, they produce .... gas

(A) Carbon Dioxide   (B) Nitrogen

(C) Oxygen   (D) Hydrogen

(136) After heavy exercise, due to the accumulation of ...., we get muscle cramp

(A) Carbon Dioxide   (B) Alcohol

(C) Lactic Acid   (D) Oxygen

(137) The formula to calculate the distance travelled, Distance Travelled =

(A) Distance x Time   (B) $\dfrac{\text{Time}}{\text{Speed}}$

(C) $\dfrac{\text{Speed}}{\text{Time}}$ (D) Speed x Time

(138) When light interacts with the soap bubble, it disperses in many colours, it is called ....

(A) Splitting of Light   (B) Absorption of Light

(C) Diffusion of Light   (D) Reflection of Light

(139) The process of separating the grains from the fodder of the harvested crop is called ....

(A) Weeding   (B) Harvesting

(C) Thrashing   (D) Irrigation

(140) Safety matches are made from a combination of ....

(A) Red Phosphorus and White Phosphorus

(B) Antimony Tri- sulphide and Potassium Chlorate

(C) White Phosphorus and Potassium chlorate

(D) Antimony Tri- sulphide and White phosphorus

(141) Which among the following pair is incorrect?

(A) Red Data Book → The list of Extincting species

(B) Project Tiger → Conservation of Tiger

(C) Reforestation → To regenerate the destroyed forest

(D) Desertification → The process of fertile land become desert like

(142) Which among the following is the purest form of Carbon ?

(A) Diesel   (B) Coal Tar

(C) Coal gas   (D) Coke

(143) Diabetes is caused when .... gland stops working properly

(A) Pituitary   (B) Thyroid

(C) Pancreas   (D) Adrenalin

(144) .... are called the food factories of plant

(A) Leaves   (B) Stems

(C) Fruits   (D) Roots

(145) .... is produced when Hydrochloric acid and Sodium hydroxide neutralize each other

(A) Air and Water   (B) Salt and Water

(C) Metal and Foam   (D) Oil and Copper

(146) .... converts starch into glucose

(A) Esophagus   (B) Villi

(C) Buccal cavity   (D) Saliva

(147) Convert the speed of an Eagle, 320 km/h, into .... m/sec

(A) 8.89 m / sec   (B) 320 m / sec

(C) 889 m / sec   (D) 88.9 m / sec

(148) .... gas, obtained from the natural gas, is used in manufacturing of chemical fertilizers

(A) Coal gas   (B) CNG

(C) Hydrogen   (D) Carbon Dioxide

(149) .... can produce inverted, virtual and smaller image than the actual object

(A) Convex Mirror, Concave Lens
(B) Concave Mirror, Convex lens
(C) Convex Lens, Plain Mirror
(D) Concave Lens, Concave mirror

(150) The motion from the one point to the other, or back and forth is called ....

(A) Oscillation
(B) Vibrating area
(C) Frequency
(D) Noise

(151) The Supreme court was founded in India by the British under .... Act

(A) Charter (1833)
(B) Regulating (1773)
(C) A and B
(D) None

(152) .... among the following is not the land revenue system introduced by the British

(A) Subsidiary Alliance system
(B) Permanent Settlement
(C) Ryotwari system
(D) Mahalwari system

(153) .... was the newly introduced rifle during the revolt of 1857

(A) Enfield
(B) A.W.M.
(C) Brown Base
(D) Ronald

(154) New Delhi is built .... of old Delhi and on .... hill

(A) North, Rajsamand
(B) South, Ajaymeru
(C) North, Aravalli
(D) South, Raisina

(155) Cryolite is known as .... resource

(A) rare
(B) scarce
(C) commonly available
(D) universally available

(156) .... mineral is called Black Gold

(A) Manganese
(B) Gold
(C) Petroleum
(D) Bauxite

(157) .... leads first in the production of cotton

(A) Gujarat
(B) Maharashtra
(C) Andhra Pradesh
(D) Bihar

(158) .... empowers to fight against the child labour

(A) Right to freedom
(B) Right to go against exploitation
(C) Right to religious freedom
(D) Right to equality

(159) Dwarkesh must go to .... if he intends to visit the fort Saint George

    (A) Kolkata   (B) Mumbai

    (C) Chennai   (D) Delhi

(160) .... was not a land revenue system

    (A) Permanent Settlement   (B) Ulgulan

    (C) Mahalvari   (D) Ryotwari

(161) A Student is not sure about non metal. Guide him by indicating non metals from the following

    (1) Zinc   (2) Mica

    (3) Gypsum   (4) Copper

    (A) 1 and 2   (B) 3 and 4

    (C) 2 and 4   (D) 2 and 3

(162) Groundnut : Junagadh , Millet:

    (A) Mahesana   (B) Sabarkantha

    (C) Banaskantha   (D) Bhavnagar

(163) Which among the following pair is incorrect in reference to the constitution ?

    (A) No. of committees for framing constitution - 23

    (B) Chairperson of Constituent Assembly - Dr. Rajendra Prasad

    (C) Constitution day - 26th November

    (D) No. of members of Constituent Assembly - 250

(164) Which among the following is incongruent about the president of India ?

    (A) He/She is the constitutional head of a nation

    (B) He/She presides over the meeting of ministers

    (C) He/She is the first citizen of India

    (D) The nation's administration is carried out in the name of president

(165) .... island was gifted by the Portuguese to the British as a dowry

    (A) Mumbai   (B) Lakshdweep

    (C) Andaman   (D) Nicobar

(166) .... is a scarcely available resource

    (A) grazing land   (B) oxygen   (C) water   (D) coal

(167) .... percentage of fresh water is available on the earth

(A) 1 %
(B) 2.7 %
(C) 27 %
(D) 29 %

(168) Ore means ....

(A) impure metals
(B) electricity
(C) home to live in
(D) air

(169) The gaseous fuel obtained from the Bio waste is called ....

(A) LPG
(B) CNG
(C) PNG
(D) Biogas

(170) .... is considered as the lifeline of Indian Economy

(A) Industry
(B) Education
(C) Water
(D) Agriculture

(171) .... soil is found in more than 50% area of Gujarat

(A) Red soil
(B) Black soil
(C) Alluvial soil
(D) Mountainous soil

(172) The surface of the Earth's Continental crust is made up of ....

(A) Silica and Alumina

(B) Silica and Magnesium

(C) Nickle and Ferrus

(D) Magnesium and Ferrous

(173) The Constitution Day is celebrated on .... in India

(A) 26th November
(B) 26th January
(C) 25th December
(D) 15th August

(174) The total number of seats allotted to Gujarat in Lower House of Indian Parliament is ....

(A) 26
(B) 50
(C) 182
(D) 545

(175) Government has developed the .... market system in order to restrain the exploitation of the farmer

    (A) Street Market   (B) Controlled Market

    (C) Weekly Market   (D) Online Market

(176) The founder of Gadhval state Chandradev had developed .... as a capital besides Kanauj

    (A) Khajuraho   (B) Bhojpal

    (C) Kashi   (D) Bundelkhand

(177) Which of the following state does not have a Legislative Council ?

    (A) Gujarat   (B) Bihar

    (C) Maharashtra   (D) Uttar Pradesh

(178) Which step well of Gujarat is entitled as the World Heritage by the UNESCO ?

    (A) Adalaj Step well   (B) Dada Hari Step well of Ahmedabad

    (C) Rani ki Vav of Patan   (D) Madha Vav of Vadhavan

(179) Which nomadic tribe used to connect India with the world ?

    (A) Bahurupi   (B) Vanzara

    (C) Kogsiya   (D) Vansfoda

(180) In which sphere are the seasons, clouds, rain and cyclone absent so that the Jet plane fly there swiftly with less friction ?

    (A) Stratosphere   (B) Troposphere

    (C) Mesosphere   (D) Thermosphere

◆◆◆

SPACE FOR ROUGH WORK

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