

**NMMS – 2026**  
**(ENGLISH)**

Category
<b>A</b>

**TOTAL TIME : 180 Minutes**

**Exam Time : 3:00 HOURS**

**TOTAL MARKS : 180**

**SEAT No.**

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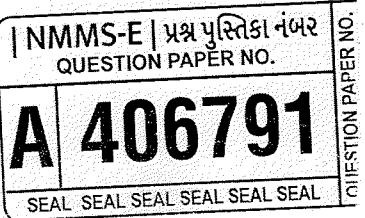
**INSTRUCTIONS FOR STUDENTS**

**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	MENTALABILITY TEST	1 to 90	90 Minutes	90
2	SCHOLASTIC APTITUDE TEST	91 to 180	90 Minutes	90
<b>Total</b>		<b>180 Questions</b>	<b>180</b>	<b>180</b>
			Minutes	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

ANSWER

(1) NSG : National Security  
NDRF : .....  
(A) Entertainment  
(B) Disaster Management  
(C) Food Production  
(D) Information Communication

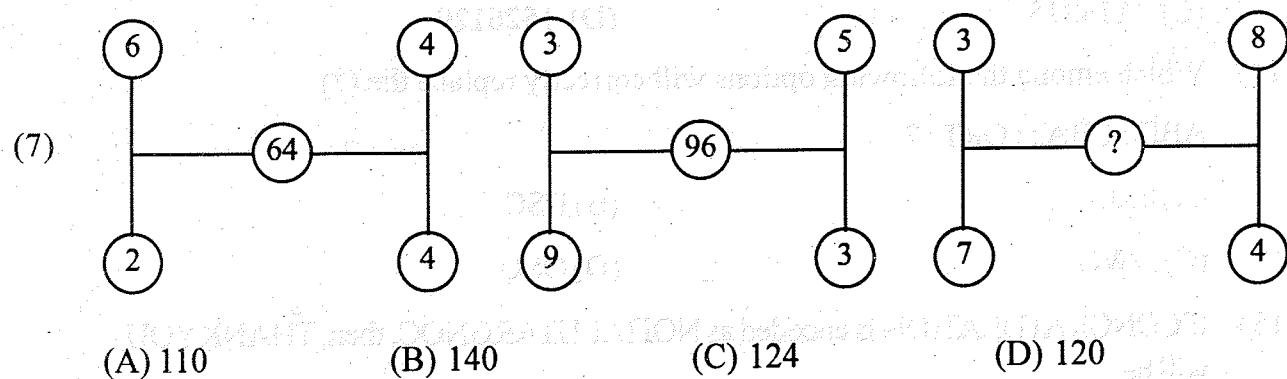
(2) Three : Triangle  
Six : .....  
(A) Pentagon  
(B) Heptagon  
(C) Tetragon  
(D) Hexagon

(3) Today is Monday, which day will it be after 40 days ?  
(A) Saturday  
(B) Tuesday  
(C) Thursday  
(D) Friday

(4) AQI means -  
(A) Air Quality Information  
(B) Air Quality Index  
(C) Arm Quality Information  
(D) Air Quantity Index

(5) There are total ..... districts in Gujarat at present.

(6) 7, 13, 25, 49, 97, .....? (A) 173 (B) 210 (C) 193 (D) 19



(8) In a line of children, Lav is at the 4<sup>th</sup> position from the left, Kush is at the 10<sup>th</sup> position from the right. If both of them exchange their positions, then Lav's position is 25<sup>th</sup> from the left. Then there must be total ..... students in a line.

(A) 26      (B) 41      (C) 15      (D) 40

(9) You are standing in front of a bench. Jay, Vijay, Ajay and Sujay are sitting on the bench. Ajay and Sujay are sitting next to each other. Vijay is not sitting next to Jay or Ajay. Jay is sitting at the right end of the bench. What is the Seating order of the four on the bench?

(A) Jay – Vijay – Ajay – Sujay

(B) Jay – Sujay – Vijay – Ajay

(C) Jay – Ajay – Vijay – Sujay

(D) Jay – Ajay – Sujay – Vijay

(10)

41	
4	5

?	
7	6

(A) 61

(B) 75

(C) 85

(D) 82

(11) If '+' is '–', '–' is '×', '×' is '÷' and '÷' is '+' in the following question, then the answer will be .....

$$89 \div 121 \times 11 + 14 - 7$$

(A) 2

(B) 14

(C) 36

(D) 32

(12) If A is –, B is ÷, C is + and D is ×, then

$$15B3C24A12D2 = ?$$

(A) 3

(B) 5

(C) 7

(D) 9

(13) If ZEBRA is encoded as 2652181 then LION will be .....

(A) 1291514

(B) 2652181

(C) 1814215

(D) 1526129

(14) Which among the following options will correctly replace the (?)

ABD : CBA :: QRT : ?

(A) SRQ

(B) BSC

(C) DWO

(D) OSQ

(15) If CONGRATULATION is encoded as NOITALUTARGNOC, then, THANKYOU will be .....

(A) UOYNKAHT

(B) UOYKNAHT

(C) YOUNKAHT

(D) UOYKNHAT

(16) If  $A = \div$ ,  $B = \times$ ,  $C = +$  and  $D = -$  then  $44A11B7D5C9$  will be .....  
(A) 40 (B) 36 (C) 30 (D) 32

(17) Arrange the following words in logical sequence.  
(a) Interest (b) Principal Amount (c) Time Period  
(d) Interest on Principal (e) Rate of Interest  
(A) (b), (e), (c), (a), (d) (B) (b), (e), (a), (c), (d)  
(C) (e), (d), (a), (b), (c) (D) (b), (c), (e), (a), (d)

(18) Arrange the following words in logical sequence.  
(i) Advertisement (ii) Interview (iii) Application  
(iv) Appointment (v) Exam (HSC) (vi) Selection  
(vii) Celebration  
(A) (v), (i), (iii), (ii), (vi), (iv), (vii)  
(B) (v), (ii), (i), (iii), (iv), (vii), (vi)  
(C) (iii), (i), (iv), (ii), (vi), (v), (vii)  
(D) (v), (i), (ii), (iii), (vii), (iv), (vi)

(19) Arrange the following era in chronology.  
(1) Atomic age (2) Metal age (3) Stone age  
(4) Alloys age (5) Modern age  
(A) 1, 3, 4, 2, 5 (B) 3, 2, 4, 5, 1  
(C) 3, 2, 4, 1, 5 (D) 1, 3, 4, 2, 5

(20) Arrange the following in ascending order on the base of volume.  
(1) Milky way (2) Moon (3) Star  
(4) Sun (5) Earth  
(A) 1, 4, 3, 2, 5 (B) 2, 3, 4, 5, 1  
(C) 2, 5, 4, 3, 1 (D) 4, 3, 2, 5, 1

(21) Which among the following options, forms a meaningful arrangement of words?

(1) Police      (2) Crime      (3) King

(4) Judgement      (5) Hearing

(A) 2, 1, 5, 4, 3

(B) 2, 3, 4, 5, 1

(C) 2, 3, 4, 1, 5

(D) 2, 1, 3, 4, 5

(22) Which word among the following indicates correct alphabetical order?

(1) DISSIDENT      (2) DISSOLVE      (3) DISENT

(4) DISSOLUTE      (5) DISSOLUTION

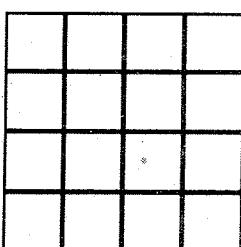
(A) 3, 1, 4, 5, 2

(C) 3, 1, 4, 2, 5

(B) 3, 2, 1, 4, 5

(D) 3, 2, 4, 5, 1

(23) The maximum no. of squares in the given figure is .....



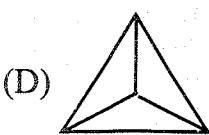
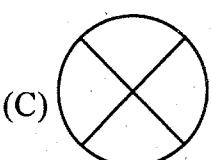
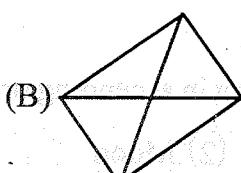
(A) 30

(B) 25

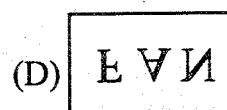
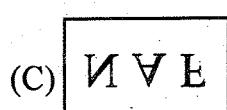
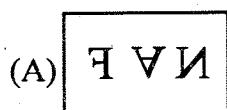
(C) 20

(D) 32

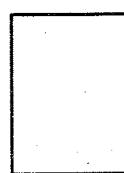
(24) Which figure is an odd one?



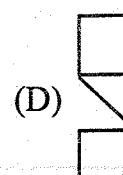
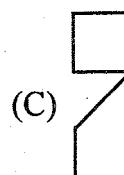
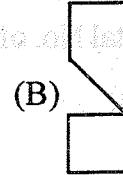
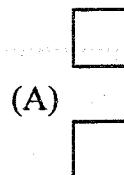
(25) Which among the following presents the correct mirror image of a given figure ?



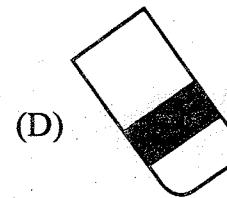
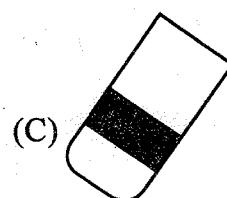
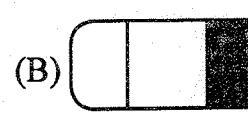
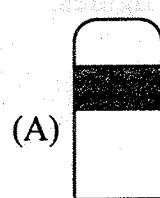
(26)



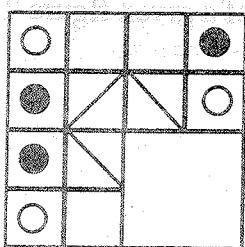
The figure given is an incomplete geometric figure. Choose correct option from the following to complete the figure.



(27) Which among the following figures is an odd one ?



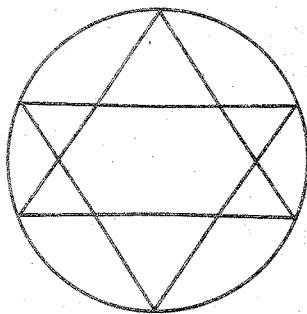
(28)



A figure is given, with one part hidden, choose the correct option that fits into the hidden part.

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

(29)



The total No. of triangles in the given figure is .....

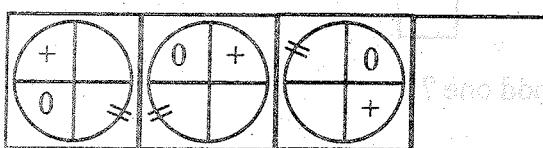
(A) 32

(C) 35

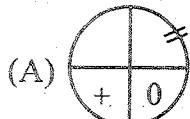
(B) 30

(D) 28

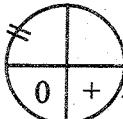
(30)



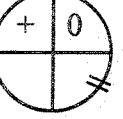
Choose the figure from the following that completes the series of given figures.



(B)



(D)



(31) A train travels 120 km west from Ahmedabad then covers 30 km towards the south. From there, it moves a little further and travels 120 km to the east and then starts moving to south, then at present, the train is ..... to Ahmedabad.

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

(32) Y is east to x, x is North to Z, P is South to Z, then P is ..... to Y.

(A) South (B) North  
(C) Southeast (D) Southwest

(33) A Student sets his watch as such as minute hand points to the North at 8:00, then at 10:30 hour hand will point to the .....

(A) Northeast (B) Southeast  
(C) Southwest (D) Northwest

(34) A 100 meter long train is standing exactly in the middle of a 150 - meter long platform. It needs to travel ..... before it comes out of the platform.

(A) 100 meter (B) 125 meter  
(C) 150 meter (D) 175 meter

(35) In question below, two groups are given, the first group represents certain property or relation. Based on that, find the word from the options, that represents similar relationship for second group.

Watch : Time :: Spectacles : .....

(A) Eyes (B) Vision  
(C) Glass (D) Lens

(36) Consider the relation presented in the first group of words. Based on it, find the correct option

Ambulance : 108 :: Fire Brigade : ?

(A) 101 (B) 100 (C) 181 (D) 1098

(37) Study the relation presented by former group of words, based on it find the correct option for the later one

Perimeter : Square :: ? : Circle

(A) Radius (B) Tangent  
(C) Diameter (D) Circumference

(38) A girl introduces a boy, "He is my uncle's father's daughter's son" then a boy is a .....  
the of girl.

(A) Nephew (B) Uncle  
(C) Son - in - law (D) Son of Paternal aunt (foi)

(39) If it is a Saturday on a day before 23<sup>rd</sup> of any month, then the coming date 1st will be .....  
the of Saturday.

(A) Wednesday (B) Thursday  
(C) Friday (D) Saturday

(40) ..... is not a leap year.

(A) 2400 (B) 2000 (C) 2200 (D) 1600

(41) Which among the following options show correct alphabetical order of the following word?

(A) FESTIVAL (B) AEFILSTV  
(C) AEFLISTV (D) AFELISTV

(42) Age of three students are three consecutive numbers. If the sum of their age is 51 years, then find their age?

(A) 15 years, 16 years, 17 years (B) 16 years, 17 years, 18 years  
(C) 17 years, 18 years, 19 years (D) All three are 17 years old

(43) If the alphabets of the word, NOMENCLATURE are used once, then ..... word can not be formed from the following.

(A) LECTURE (B) CULTURE  
(C) ENTER (D) COURT

(44) ..... is absent in the colours of Rainbow.

(A) Violet (B) Yellow  
(C) Red (D) Black

(45) 7, 11, 13, 17, .....?.....

(A) 18 (B) 19 (C) 23 (D) 29

(46) Find the odd one from the following options.

(A) India (B) Europe (C) Africa (D) Asia

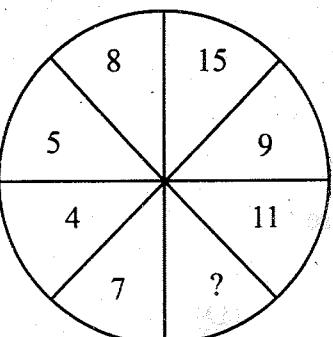
(47) If KERALA is encoded as LFSBMB then ANDHRA will be .....  
(A) BOERIA (B) BOESIA  
(C) BOESIB (D) BOETIB

(48) Arrange the following states in correct order on the base of area  
(a) Madhya Pradesh (b) Maharashtra (c) Uttar Pradesh  
(d) Gujarat (e) Rajasthan  
(A) e, a, b, c, d (B) e, a, c, d, b  
(C) e, a, d, c, b (D) a, b, e, c, d

(49) The relationship between you and the daughter of the only son of your father's father is .....  
(A) Aunty (B) Sister  
(C) Mother (D) Cousin Sister

(50) Usha is taller than Nisha. Nisha is taller than Mittal. Sarita is taller than Usha. Varsha is shorter than Mittal then ..... is the tallest among all.  
(A) Usha (B) Sarita  
(C) Nisha (D) Mittal

(51) Arrange the following in correct logical Sequence  
(1) gigabyte (2) byte  
(3) terabyte (4) kilobyte  
(A) 4, 2, 3, 1 (B) 1, 2, 3, 4  
(C) 2, 4, 1, 3 (D) 3, 4, 1, 2

(52)   
(A) 21 (B) 17 (C) 19 (D) 23

(53) If Red is Yellow, Yellow is Green, Green is White, White is Orange then the colour of milk is .....  
(A) Red (B) Yellow  
(C) Orange (D) Green

(54) A person standing by facing towards the sun. He turns twice to the left. Now he is facing to the .....  
(A) South (B) North (C) West (D) East

(55) Ramesh walks 5 km towards the east. Then he walks 4 km to the left and then again 5 km to the left. Now Ramesh is in ..... direction to the starting point.  
(A) South (B) East (C) North (D) West

(56) Study the relation given then ..... correctly replaces question mark  $14 : 196 :: 23 : ?$   
(A) 429 (B) 426 (C) 529 (D) 576

(57) Find the odd number.  
(A) 9 (B) 16 (C) 25 (D) 30

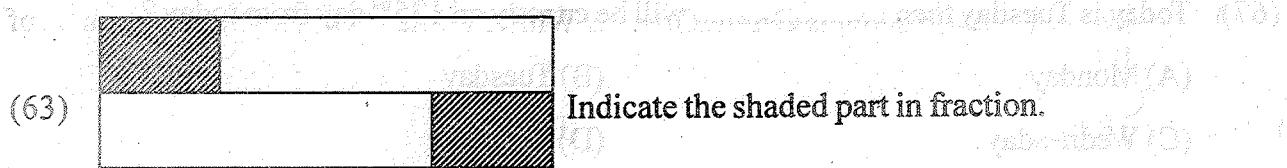
(58) Find an odd word from the following.  
(A) Gold (B) Platinum  
(C) Mercury (D) Silver

(59) Series : 0, 3, 8, 15, 24, .....?  
(A) 34 (B) 35 (C) 36 (D) 37

(60) Arrange the following words in logical sequence.  
(1) Rain (2) Sunlight (3) Evaporation (4) Cloud  
(A) 2, 3, 4, 1 (B) 3, 2, 4, 1  
(C) 4, 1, 3, 2 (D) 1, 4, 3, 2

(61) Kilogram : Weight, Kilometer : .....(?)  
(A) Time (B) Temperature  
(C) Distance (D) Speed

(62) Find the odd one.  
(A) Sun (B) Moon (C) Earth (D) Mars



(A)  $\frac{1}{4}$

(B)  $\frac{2}{8}$

(C) Both (A) & (B)

(D) None of (A) & (B)

(64) Which among the following options is odd one?

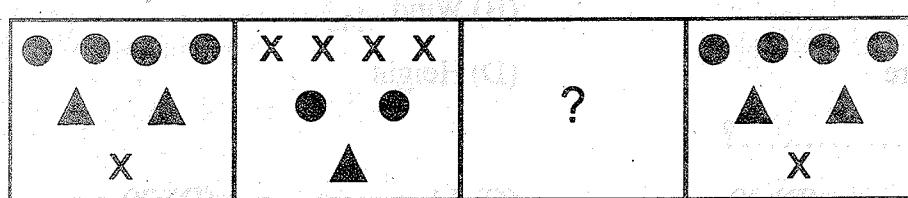
(A) Heart

(B) Kidney

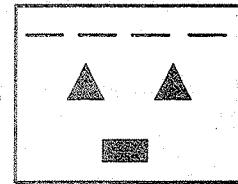
(C) Eye

(D) Lungs

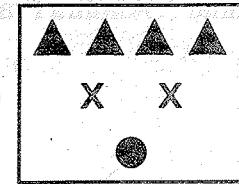
(65)



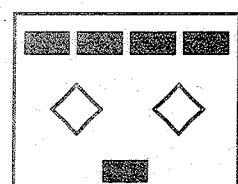
(A)



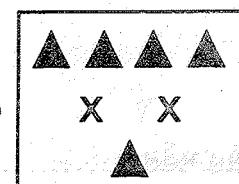
(B)



(C)

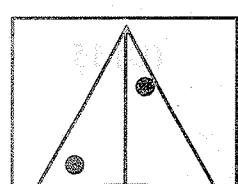


(D)

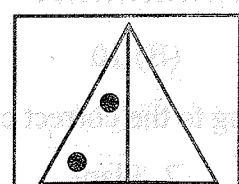


(66) Identify the figure that is odd one.

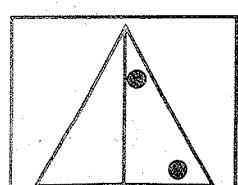
(A)



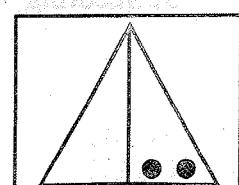
(B)



(C)



(D)



(67) Today is Tuesday then ..... will be exactly on 135<sup>th</sup> day from today ?  
(A) Monday (B) Tuesday  
(C) Wednesday (D) Thursday

(68) Colour blindness : A, Scurvy : .....  
(A) Vitamin - C (B) Vitamin - D  
(C) Vitamin - E (D) Vitamin - K

(69) 48, 45, 39, 30, 18, ..... ?  
(A) 3 (B) 5 (C) 1 (D) 0

(70) Odometer : Distance, Barometer : .....  
(A) Pressure (B) Wind  
(C) Temperature (D) Height

(71) 7 : 49 :: 8 : ..... ?  
(A) 25 (B) 49 (C) 64 (D) 79

(72) Tamilnadu : Chennai :: Andhra Pradesh : .....  
(A) Hyderabad (B) Amaravati  
(C) Kerala (D) Madras

(73) Graham Bell : Telephone :: Thomas Edison : .....  
(A) Aeroplane (B) Bulb  
(C) Radio (D) Internet

(74) અખો : છયા : : નરસિંહ મહેતા : ..... ?  
(A) પ્રભાતિયા (B) આખ્યાન (C) રાસ (D) ગરબી

(75) 27 : 9 :: 125 : ..... ?  
(A) 25 (B) 10 (C) 5 (D) 15

(76) Arrange according to the correct chronological procedure.  
1. Seed      2. Plant      3. Flower  
4. Fruit      5. Seedling  
(A) 1, 5, 2, 3, 4  
(C) 1, 3, 5, 4, 2  
(B) 5, 1, 2, 3, 4  
(D) 1, 4, 3, 2, 5

(77) Arrange according to the correct chronological procedure.

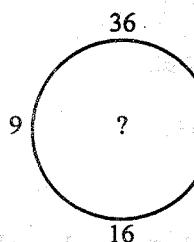
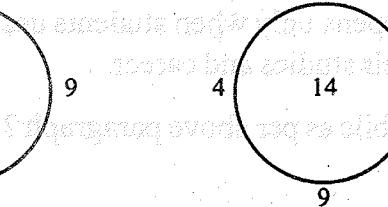
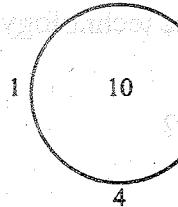
1. Doctor's advice	2. Diagnosis	3. Fever
4. Recovery	5. Medicines	
(A) 1, 3, 5, 4, 2		(B) 1, 5, 2, 3, 4
(C) 3, 1, 2, 5, 4		(D) 5, 1, 2, 3, 4

(78) Which among the following shows correct alphabetical order?

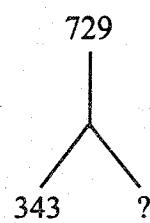
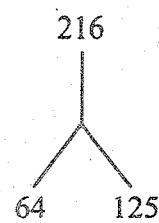
(A) APPLE, ANT, ALL, AXE (B) ALL, ANT, APPLE, AXE

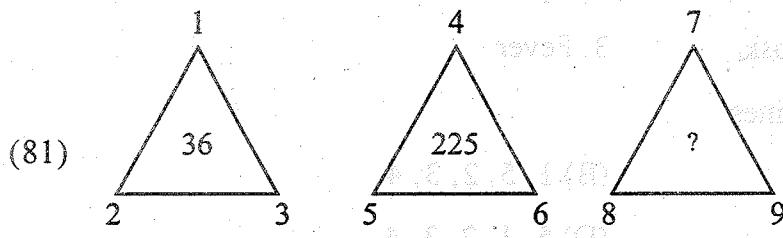
(C) ANT, ALL, AXE, APPLE (D) APPLE, AXE, ANT, ALL

(79) ..... will replace the (?) from the options given.



(80) ..... will replace the question mark (?) from the options given.





(A) 525                          (B) 576                          (C) 550                          (D) 560

● Answer the questions No. 82 to 84 on the base of following paragraph.

Nowadays, mobile phones and the internet have become an important part of every student's life. With their use, students can access a lot of information from home, learn new things by watching online videos, and stay connected with friends. However, excessive use of them can harm the eyes, waste time and keep students away from real games and conversations. Some students do not keep their phones down until bedtime, which affects their sleep and studies. True progress happens only when students use technology wisely and thoughtfully. Making it useful for their studies and career.

(82) ..... is the biggest advantage of mobile as per above paragraph ?

(A) Time moves smoothly  
 (B) Real games can be played  
 (C) It strengthens the eyes  
 (D) It facilitates considerable information at home

(83) How can the students stay connected with their friends through mobile ?

(A) Conversing in real  
 (B) Through internet  
 (C) By reading books  
 (D) Through exercises

(84) The central idea of paragraph is .....

(A) Mobile is bad  
 (B) Mobile should be used judiciously  
 (C) Mobile causes many harms  
 (D) Students should use mobile much

(85)	8	9	7				
	5	1	6				
	2	4	2				
	21	37	?				

(A) 15      (B) 58      (C) 20      (D) 9

● The following table shows the production of Grains (Wheat, Rice, Bajra) in tonnes registered in four different districts of Gujarat.

Districts	Wheat	Rice	Bajra
A	250	150	80
B	180	220	100
C	300	100	90
D	200	280	50

Answer the question No. 86 to 88 on the base of above table.

(86) The production of ..... is the lowest across all four districts.

(A) Wheat      (B) Bajra      (C) Rice      (D) Wheat and Rice both equal

(87) The difference between total production of wheat and rice across all the districts.

(A) 160 tonnes      (B) 200 tonnes      (C) 250 tonnes      (D) 180 tonnes

(88) The average production of rice across all four districts is .....

(A) 190 tonnes      (B) 200.5 tonnes      (C) 175.5 tonnes      (D) 187.5 tonnes

- **Average price and No. of items. (AC, TV, Fridge, Washing Machine) sold in the month of December in an electronic showroom is tabulated below.**

Items	No. of items sold	Average Price (in thousand)
AC	40	35
TV	60	45
Fridge	50	28
W. Machine	50	32

**Answer the question No. 89 to 90 on the base of above table.**

(89) The total revenue (income) from the sales of which two devices is the same ?

(A) AC & Fridge  
 (B) TV & Fridge  
 (C) TV & Washing Machine  
 (D) AC & Washing Machine

(90) Average price of AC is ..... less than the average price of TV.

(A) 20%  
 (B) 10%  
 (C) 25.5%  
 (D) 22.22%

(91) Protein is .....

(A) Hydrogenous  
 (B) Nitrogenous  
 (C) Sulphurous  
 (D) Containing Phosphorous

(92) Which among the following statements is incorrect about Rabi crop ?

(A) It is grown between October to March  
 (B) Paddy and maize are Rabi crop  
 (C) Wheat and mustard are Rabi crop  
 (D) It is also called winter crop

(93) Curd, Lemon Juice, Orange Juice and Vinegar contains sour taste, due to .....

(A) Base  
 (B) Acid  
 (C) Salt  
 (D) Neutral Substance

(94) Which festival is associated with harvest ?  
(A) Holi (B) Janmashtami  
(C) Navratri (D) Makar Sankranti (kite flying day)

(95) ..... is a disease found among humans and cattles caused by bacteria ?  
(A) Malaria (B) Anthrax  
(C) Foot and Mouth disease (D) Limp

(96) Natural gas is found in .....  
(A) Punjab (B) Gujarat  
(C) Kerala (D) Tripura

(97) ..... hormone is responsible for Goiter disease.  
(A) Insulin (B) Thyroxin  
(C) Adrenalin (D) Estrogen

(98) Carbohydrates are transformed to ..... after digestion.  
(A) Fatty acid (B) Glycerol  
(C) Amino Acid (D) Simple Glucose

(99) ..... is present in spinach.  
(A) Acetic Acid (B) Formic Acid  
(C) Lactic Acid (D) Oxalic Acid

(100) Why do muscles cramp after heavy exercises ?  
(A) Lactic acid gathers due to aerobic respiration  
(B) Lactic acid gathers due to anaerobic respiration  
(C) Glucose gathers due to aerobic respiration  
(D) Glucose gathers due to anaerobic respiration

(101) Which among the following is correct descending order of animals based on speed ?  
(A) Cheetah - Rabbit - Squirrel - Rat  
(B) Cheetah - Squirrel - Rabbit - Rat  
(C) Cheetah - Squirrel - Rat - Rabbit  
(D) Cheetah - Rabbit - Rat - Squirrel

(102) A scooter takes 2 hours to travel 120 km to reach from station to station then speed of the scooter is .....  
(A) 60 km/min  
(B) 60 mt/h  
(C) 60 km/h  
(D) 60 mt/min

(103) The image in a concave mirror is .....  
(A) Virtual, inverted, magnified  
(B) Real, inverted, magnified  
(C) Real, erect, diminished  
(D) Virtual, erect, diminished

(104) Electroplating is used for .....  
(A) Metal Corrosion  
(B) Plating an expensive metal over a cheaper  
(C) Purifying water  
(D) Supplying electric current

(105) Overuse of chemical fertilizers .....  
(A) increases soil fertility  
(B) increases quality of crop  
(C) decreases soil fertility  
(D) purifies water

(106) Balanced food is necessary during adolescence because .....  
(A) It induces enough sleep  
(B) It causes growth and development  
(C) It increases playing skills  
(D) It glows the face

(107) ..... was the first reserved forest of India.  
(A) Satpura National Park  
(B) Kaziranga National Park  
(C) Ranthambore National Park  
(D) Gir National Park

(108) ..... is mainly responsible for blood clotting.  
(A) WBC  
(B) RBC  
(C) Platelets  
(D) Plasma

(109) ..... among the following is unisexual flower.  
(A) Mustard  
(B) Rose  
(C) Maize  
(D) Petunia

(110) ..... is a gland connected with digestive tract.  
(A) Liver  
(B) Adrenal  
(C) Thyroid  
(D) Pituitary

(111) ..... draws the blood containing  $\text{CO}_2$  from different body parts to the heart.

(A) Pulmonary Artery      (B) Pulmonary Vein  
(C) Artery      (D) Vein

(112) If a simple pendulum takes 52 seconds to complete 20 swings then its frequency time is .....  
(A) 2.6 seconds      (B) 0.26 seconds  
(C) 0.52 seconds      (D) 5.2 seconds

(113) ..... is not functioning on the principle of thermal effect of Electric current.

(A) Electric Heater      (B) Fuse  
(C) Electric Stove      (D) Electric Bell

(114) A candle is set 15 cm away from mirror. Then the distance between a candle and its reflection is .....  
(A) 5 cm      (B) 10 cm      (C) 15 cm      (D) 30 cm

(115) ..... is an antibiotic.

(A) Sodium Bicarbonate      (B) Alcohol  
(C) Tetracycline      (D) Yeast

(116) ..... is used for manufacturing steel and obtaining metal.

(A) Coal tar      (B) Coke  
(C) Naphthalene Tablets      (D) Coal gas

(117) The calorie value of fuel is indicated in .....  
(A) kilojoule      (B) kilogram  
(C) kilojoule/kg      (D) kg/kilocalorie

(118) It is believed that the increasing level of ..... gas causes global warming.

(A) Carbon Dioxide      (B) Oxygen  
(C) Nitrogen      (D) Sulphur Dioxide

(119) Satpura is reserved area for .....  
(A) Leopard      (B) Cheetah  
(C) Lion      (D) Tiger

(120) The chemical form of Baking soda is ..... (use :  $\pi = \frac{22}{7}$ )

(A) Acid (B) Base (C) Sugar (D) Salt

(121)  $(-41) \div [(-40) + (-1)] = \dots$ ?

(A)  $(-1)$  (B)  $1$  (C)  $\frac{-41}{39}$  (D)  $\frac{41}{39}$

(122) If a batsman hits 23, 35, 42, 38, 26 and 64 runs respectively in 6 innings. Then average score of the batsman is .....

(A) 28 (B) 38 (C) 48 (D) 58

(123) Find the median of 25, 37, 47, 18, 19, 26, 36

(A) 18 (B) 25 (C) 26 (D) 36

(124) Age of Ajay's father is 06 more than three times the age of Ajay. If Ajay's father is 45 years old. Ajay is  $x$  year old then which among the following formula is correct?

(A)  $3x + 6 = 45$  (B)  $3x - 6 = 45$   
 (C)  $6x + 3 = 45$  (D)  $6x - 3 = 45$

(125) If a measurement of one angle is  $48^\circ$ , Second angle is  $53^\circ$  then find the measure of third angle of that triangle.

(A)  $49^\circ$  (B)  $59^\circ$  (C)  $69^\circ$  (D)  $79^\circ$

(126) In  $\triangle ABC$ ,  $\angle C$  is right angle.  $AC = 12$  cm  $AB = 13$  cm then find  $BC$

(A) 5 cm (B) 25 cm (C) 144 cm (D) 169 cm

(127) A Price of a particular commodity is Rs. 140. If a shopkeeper sells it with 25% loss. Then the selling price is .....

(A) Rs. 35 (B) Rs. 105 (C) Rs. 115 (D) Rs. 165

(128) The circumference of one name plate is 88 cm, then the radius is ..... (use :  $\pi = \frac{22}{7}$ )

(A) 7 cm (B) 14 cm (C) 21 cm (D) 28 cm

(129) If  $x = 10$  then  $x^3 - 4(x - 10) = \dots$

(A) 100 (B) 920 (C) 960 (D) 1000

(130) The standard form of 6985 is  $\dots$

(A)  $698.5 \times 10^1$  (B)  $69.85 \times 10^2$  (C)  $6.985 \times 10^3$  (D)  $0.6985 \times 10^4$

(131) Find the value  $\left(\frac{-3}{16}\right) \times \frac{4}{5} \times \frac{15}{7} \times \left(\frac{-14}{9}\right)$

(A)  $\frac{1}{2}$  (B)  $\left(\frac{-1}{2}\right)$  (C)  $\frac{1}{3}$  (D)  $\left(\frac{-1}{3}\right)$

(132)  $\frac{3x+1}{4} + 1 = \frac{x-5}{8}$  then  $x = \dots$

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

(133) ..... is not a linear equation.

(A)  $2x + 1$  (B)  $3y - 1$  (C)  $x^2 + 1$  (D)  $13 - 5z$

(134) Which among the following is not a property of rectangle?

(A) The adjacent sides are equal (B) Each angle is right angle  
 (C) Diagonals are equal (D) Diagonals bisect

(135) ..... graph shows the relation between the specific part and total part.

(A) Line graph (B) Pictorial graph (C) Bar graph (D) Circular graph

(136) A bag containing 8 red balls and 4 yellow balls. If a ball is randomly drawn out of the bag then probability of ball being red is .....

(A)  $\frac{2}{3}$  (B)  $\frac{3}{2}$  (C)  $\frac{1}{3}$  (D)  $\frac{1}{2}$

(137) Find the smallest number if on multiplying with 3920, it gives a perfect square number.

(A) 2000 (B) 3000 (C) 5000 (D) 7000

(138) ..... is not the pair of complimentary angles.

(A)  $62^\circ, 28^\circ$  (B)  $58^\circ, 32^\circ$   
(C)  $78^\circ, 22^\circ$  (D)  $60^\circ, 30^\circ$

(139) A class has 40 students. 25% students prefer to play football. Then the No. of students not preferring to play football is.

(A) 10 (B) 30 (C) 20 (D) 25

(140)  $\frac{6}{-5} \div \frac{-2}{3} =$

(A)  $\frac{4}{5}$  (B)  $\frac{-4}{5}$   
(C)  $\frac{18}{10}$  (D)  $\frac{-18}{10}$

(141) The Form of  $9 \times 10^5 + 2 \times 10^2 + 4 \times 10^1$  can be indicated as ..... in number.

(A) 9000240 (B) 9000204  
(C) 900240 (D) 9000024

(142)  $12^n = 1728$  then  $n = ?$

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

(143) 25% of ..... =  $3^2$

(A) 12 (B) 36 (C) 48 (D) 60

(144)  $5 : 10 = \dots : 30$

(A) 20 (B) 15 (C) 3 (D) 10

(145) Factorization of  $x^2 - 25$

(A)  $(x - 5)(x + 5)$  (B)  $(x - 25)(x + 25)$   
(C)  $(x - 5)^2$  (D)  $(x + 5)^2$

(146) The all angles are right angles of .....

(A) Rhombus (B) Square  
(C) Rectangle (D) Both B & C

(147) Find the solution of the equation,  $x = \frac{4}{5}(x+10)$

(A)  $x = 40$  (B)  $x = 10$  (C)  $x = 5$  (D)  $x = 15$

(148) There are  $x$  apples in a box. If the same number of apples are added to it and 3 apples are removed because they are unripe then there remains 7 apples in the box. Then find the value of  $x$ .

(A) 6 (B) 10 (C) 5 (D) 4

(149) In a city, 40% of the people drive cars and the remaining 60% use other modes of transportation. To draw a pie chart, what will be the measure of the central angle for the sector representing people who drive cars?

(A)  $60^\circ$  (B)  $144^\circ$  (C)  $90^\circ$  (D)  $120^\circ$

(150) A car travels 125.50 km in 2.5 hours. Then find an average distance, a car travels in 1 hour.

(A) 50.1 km (B) 25.1 km (C) 50.2 km (D) 50 km

(151) There are 5 mobiles out of total 25 mobiles that contain 5G technology. Then the percentage of the mobile with 5G technology is .....

(A) 10% (B) 30% (C) 20% (D) 25%

● Answer the question No. 152 to 154 on the base of following paragraph.

In living organisms, the unit of inheritance is the gene. It is responsible for the transmission and control of inherited traits from the parental generation to the offspring generation. This means that some traits from your mother and father are inherited by you through genes. For example, if your father has brown eyes, you may also have brown eyes; if your mother has curly hair, you may also have curly hair. However, due to receiving different combinations of genes from the parents, traits may also vary.

(152) Genes are responsible for ..... features.

(A) Hereditary (B) Social  
(C) Economic (D) Cultural

(153) What happens due to gene combination?

(A) Uniformity in the species increases  
(B) New biological structures are formed  
(C) The rate of formation of biological structure slows down  
(D) The number of genes increases

(154) ..... is not a hereditary trait.

- (A) Colour of eyes
- (B) Blood group
- (C) Efficiency to speak language
- (D) Structure of face

(155) ..... is a main aim of Social Justice.

- (A) To increase inequality
- (B) To increase exploitation
- (C) To provide equal opportunity to everyone
- (D) To discriminate

(156) Word Epicenter is associated with .....

- (A) Cyclone
- (B) Earthquake
- (C) Drought
- (D) Flood

(157) Wool mark : Items made of wool : Hallmark : .....

- (A) Items made from Gold
- (B) Wooden items
- (C) Plastic items
- (D) Ivory - made items

(158) Parents and guardians have a duty to provide educational opportunities to their child or ward to the age .....

- (A) 5 to 15 year
- (B) 6 to 14 year
- (C) 5 to 18 year
- (D) 6 to 18 year

(159) ..... is a Rare resource.

- (A) Copper pyrite
- (B) Cryolite
- (C) Uranium
- (D) Iron

(160) ..... is the most effective factor for the establishment of industries.

- (A) Colour of clothes
- (B) Play ground
- (C) Availability of livestock
- (D) Availability of raw material in proximity

(161) Mukhyamantri Amrutam (MA) Scheme of state Government offers the benefit to maximum ..... persons of a family.

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

(162) President appoints ..... members in Rajya Sabha.  
(A) 10 (B) 11 (C) 9 (D) 12

(163) Jet plane can fly with relatively little resistance and more quickly in ..... sphere.  
(A) Troposphere  
(B) Stratosphere  
(C) Mesosphere  
(D) Thermosphere

(164) Mineral oil is extracted from the layers of ..... rocks.  
(A) Solid Rocks  
(B) Sandy Rocks  
(C) Igneous Rocks  
(D) Metamorphic Rocks

(165) Bio-gas plant functions at ..... in Banaskantha.  
(A) Chanasma (B) Dantivada  
(C) Palanpur (D) Vadgam

(166) ..... ranks first in the production of groundnut in Gujarat.  
(A) Aravalli (B) Kutch  
(C) Junagadh (D) Panchmahal

(167) The forms of ..... are worshipped by Tribal people.  
(A) Nature (B) Humans  
(C) Animals (D) Birds

(168) A candidate must be minimum ..... years old, If he/she aspires to be a member of state legislative council.  
(A) 30 (B) 20  
(C) 18 (D) 21

(169) The renowned Jagannath Temple is located in .....  
(A) Orissa (B) Andhra Pradesh  
(C) Tamilnadu (D) Sikkim

(170) The council of ministers of ..... was known as Ashta-Pradhan mandal.

- (A) Chatrapati Shivaji Maharaj
- (B) Rana Sanga
- (C) Maharana Pratap
- (D) Vir Durgadas Rathore

(171) Jhoom farming means .....

- (A) Farming in desert
- (B) Village farming
- (C) Shifting Cultivation in hilly areas
- (D) Farming by irrigation

(172) The states that are south to ..... river, are called the Southern States.

- (A) Kaveri
- (B) Narmada
- (C) Godavari
- (D) Krishna

(173) You visit a region where the average annual rainfall is less than 70 cm. Summers are hot and dry, and plants have thorny species to store moisture, what will you mainly see in that region ?

- (A) Tropical Rainforests
- (B) Thorny Plants and Bushes
- (C) Tropical deciduous forest
- (D) Temperate Grassland

(174) The first European people to arrive in India were .....

- (A) British
- (B) Dutch
- (C) Portuguese
- (D) French

(175) After which battle did the British rule begin in India ?

- (A) Battle of Plassey
- (B) Battle of Buxar
- (C) Battle of Panipat
- (D) Battle of Delhi

(176) ..... was an administrative language during British rule.

- (A) Hindi
- (B) Arabic
- (C) English
- (D) Sanskrit

(177) ..... was the basis of the State Re-organization Act of 1956.

(A) Language (B) Climate  
(C) Region (D) Culture

(178) On the basis of which characteristics can intensive farming be distinguished from subsistence farming ?

(A) It aims only to sustain the livelihood of farmer  
(B) Farmer uses maximum devices, irrigation and chemical fertilizers to get maximum production to meet the commercial need  
(C) Farmers harvest twice in year on a small piece of land with less labour  
(D) This method is more effective in dry and low - rainfall areas

(179) ..... is the first step during a disaster.

(A) To Spread rumors (B) To get frightened  
(C) To Shift at the Safe place (D) To Assemble the people

(180) For what reason did traditional household industries collapse during British rule in India ?

(A) Due to rainfall  
(B) Due to the products manufactured by foreign machines  
(C) Due to the development of education  
(D) Due to excessive urbanization



## SPACE FOR ROUGH WORK

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## SPACE FOR ROUGH WORK

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