

TUITION CENTER - RAJKOTTime : $2\frac{1}{2}$ Hrs

Max. Marks : 300

Name in Full : - Roll No. :-

Initial of Invigilator :- Code No. :-

(To be filled by the Office)

Note : Candidate **NOT TO WRITE** Name or Roll Number on any page in the Main Answer Book.

Marks Obtained	A	B	C	D	Total
	Language	Maths	GK	IQ	

Full Signature of Examiner _____ Checked By _____

INSTRUCTIONS

1. This question paper contains of FOUR sections and you have to answer all questions in the OMR answer sheet. Section "A" Language contains 25 questions of 2 marks of 2 marks each, Section "B" Mathematics contains 50 questions of 3 marks each. Section 'C' General Knowledge contains 25 questions of 2 marks each.
2. Section 'D' Intelligence paper contains 25 questions of 2 marks each. Answers for Section D' is also to be written in the same OMR answer sheet.
3. There is only one correct answer for each question. Darken only one bubble for each question. If you darken more than one bubble, your answer will be treated as wrong.
4. Evaluation of OMR answer sheet will be done on a computer. Be careful and ensure no un-necessary mark on the OMR answer sheet / fold or attempt to deface the OMR answer sheet, otherwise it will not be evaluated.
5. Rough work must be done on the additional sheet only and NOT on OMR answer sheet.
6. Write your answers in Blue / Black ink only. Do not use pencil.
7. There are total 16 pages in the question paper.

(10) Identify the adverb.

She read the answer twice.

- (1) twice (2) answer (3) read (4) she

(11) Choose the option that is opposite of 'brave'.

- (1) coward (2) clever (3) courageous (4) shameful

(12) Choose the word nearest in meaning to the underlined word.

She requested him to drop her home.

- (1) ordered (2) ask politely (3) instructed (4) forced

(13) Choose the correct verb.

The baby was _____ in the room.

- (1) sleep (2) sleeping
(3) will sleep (4) will be sleeping

(14) Choose the correct option to complete the idiom given below.

You have hit the nail on the _____.

- (1) head (2) leg (3) arm (4) finger

(15) Choose the correct spelling.

- (1) Sincerity (2) Sencerity
(3) Sincerrity (4) Sinceerity

(16) Choose the correct pronoun.

_____ is standing at the gate ?

- (1) Who (2) Whom (3) Which (4) Whose

(17) Fill in the blank with the appropriate article.

They are going to _____ Metro station.

- (1) a (2) the (3) an (4) no article

(18) Identify the adjective from the given options.

- (1) saw (2) to (3) honest (4) his

(19) Choose the correct preposition to complete the following sentence.

The restaurant is _____ the school.

- (1) up (2) behind (3) along (4) between

(20) Complete the following sentence by choosing the correct option :

They left _____ shoes on the floor as _____ was no space on the shoe rack.

- (1) they're, their (2) their, there
(3) there, their (4) their, they're

(03)

Read the following passage carefully and answer the questions given below :

(Q. 021 to 025)

If you want to send a letter by post today, you have to paste a stamp on the envelope. But long ago there were no stamps. People who wanted to send a letter would fold it and stick it with wax. Then the post office would send the letter and the person who got it would have to pay for receiving the letter. The first stamp was printed in England. It was black and had a picture of Queen Victoria on it. It cost one penny (the British Paise). That is why it was called the 'Penny Black'.



The hobby of collecting stamps is known as Philately. Stamps have been brought out in many shapes and sizes. Some stamps are very valuable and can sell for a lot of money.

(21) Choose the correct option to fill in the blank.

The first stamp was printed in _____.

- (1) Indian (2) England (3) America (4) Australia

(22) Choose the correct statement.

- (1) The first stamp had a picture of a lion.
(2) The first stamp had a picture of Queen Victoria.
(3) The first stamp had a picture of Queen Elizabeth.
(4) The first stamp had a picture of a goat.

(23) Choose the correct option.

The hobby of collecting stamps is called _____.

- (1) Gardening (2) Fashion Designing
(3) Cooking (4) Philately

(24) 'It was black and had a picture of Queen Victoria'.

Identify the part of speech for "black" from the given sentence.

- (1) Noun (2) Pronoun (3) Adjective (4) Verb

(25) Choose the opposite of 'send'.

- (1) receive (2) cost (3) brought (4) sell

SECTION – B
MATHEMATICS (Questions 26 to 75)

(26) The normal body temperature of a human being is 37°C , Convert it to degree Fahrenheit.

- (1) 98°F (2) 97°F (3) 95°F (4) 98.5°F

(27) The difference between -50°C and 72°C is _____.

- (1) 122°C (2) 42°C (3) $+ 32^{\circ}\text{C}$ (4) $+102^{\circ}\text{C}$

(28) Express 18 kg 5g as kg.

- (1) 18.5 kg (2) 18.500 kg (3) 18.05 kg (4) 18.005 kg

(29) Find the number of zeros on 1 km when you convert a kilometer into millimeter.

- (1) 5 (2) 6 (3) 7 (4) 8

(30) Which of the following is the correct representation for number 99 ?

- (1) IC (2) XCVIII (3) XCIX (4) L+XXXXIX

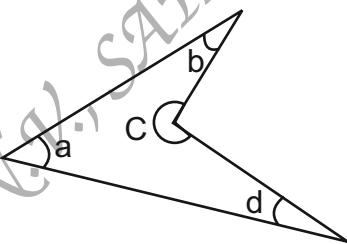
(31) Find the value of : $\text{MXLII} + \text{CXCIV} - \text{LXIII}$

- (1) MCLXXIII (2) MCCCCXXIX
(3) MCCLXXIII (4) MCXLIIV

(32) Name the type of an angle whose measure is 29° more than the difference of 136° and 77° .

- (1) acute angle (2) obtuse angle
(3) right angle (4) reflex angle

(33) Which of the angles in the given figure is larger than two (2) right angles ?



- (1) Only $\angle a$
(2) Both $\angle a$ and $\angle d$
(3) Only $\angle c$
(4) $\angle a$, $\angle b$ and $\angle d$ only

(34) Read the given statements and choose the right option.

Statement A: All chords of a circle are diameters.

Statement B: Diameter is the longest chord of the circle.

- (1) Only statement A is true (2) Only statement B is true
(3) Both statements are true (4) Both statements are false

(44) The table below shows the price of some items in a shop :

Item	Price per kg
Sugar	₹ 72
Rice	₹ 108
Coffee	₹ 237
Wheat	₹ 63

What is the ratio of combined price of Sugar and Rice to that of Coffee and Wheat ?

- (1) 9 : 14 (2) 2:3 (3) 4:5 (4) 3:5

(45) What least number should be added to each term of the ratio 7:13 to get the ratio 2 : 3 ?

- (1) 1 (2) 3 (3) 5 (4) 7

(46) By selling a watch for ₹ 1,275 Javed lost 15%. At what price should he sell so as to make a profit of 10% ?

- (1) ₹ 1,500 (2) ₹ 1,600 (3) ₹ 1,650 (4) ₹ 1,700

(47) Seema and Ravi invested ₹ 1,50,000 in a business in the ratio of 2: 3. At the end of the year, they made a profit of 150% on the invested sum. If they share the profit money in the same ratio, then what will be Seema's share ?

- (1) ₹ 1,50,000 (2) ₹ 20,000 (3) ₹ 1,35,000 (4) ₹ 90,000

(48) Which of the given statement is true ?

- (1) $(21 - 15) - 6 = 21 - (15 - 6)$ (2) $14 \times 36 \div 6 - 10 = 84$
(3) $93 \times 63 - 93 \times 37 = 9300$ (4) $25 + 49 \div 7 \times 5 - 6 = 54$

(49) $9 + [6 + 7 \text{ of } 3 - (9 + 2 - 6 \div 2)]$

- (1) 25 (2) 26 (3) 27 (4) 28

(50) The mean for 13, 14, 19, a, 17 is 22. Find the value of a.

- (1) 37 (2) 47 (3) 57 (4) 67

(51) Given below are the runs scored by a batsman in 4 matches. Calculate the average runs scored by the batsman.

Match	I	II	III	IV
Runs Scored	35	0	6	98

- (1) 139 (2) 140 (3) 46.66 (4) 34.75

(52) What percent of 4 days is 6 hours ?

- (1) $5\frac{1}{4}\%$ (2) $3\frac{1}{4}\%$ (3) $6\frac{1}{4}\%$ (4) $4\frac{1}{4}\%$

(07)

(53) Match List - I with List - II.

List - I	List - II
(A) longest chord	(I) radius
(B) space between two radii	(II) diameter
(C) half of a circle	(III) sector
(D) half of diameter	(IV) semi-circle

Choose the correct answer from the options given below :

- (1) (A)-(IV), (B)-(I), (C)-(II), (D)-(III) (2) (A)-(III), (B)-(I), (C)-(IV), (D)-(II)
(3) (A)-(II), (B)-(III), (C)-(IV), (D)-(I) (4) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)

(54) Three cubes whose each edge is 4 cm are joined together to form a cuboid.
Find the volume of the new cuboid formed.

- (1) 64 cm^3 (2) 0.064 cm^3 (3) 192 cm^3 (4) 12 cm^3

(55) The perimeter of one face of a cuboid is 40 cm. If the length and depth of this cuboid is 13 cm and 8 cm, then find the volume of the cuboid.

- (1) 846 cm^3 (2) 625 cm^3 (3) 728 cm^3 (4) 746 cm^3

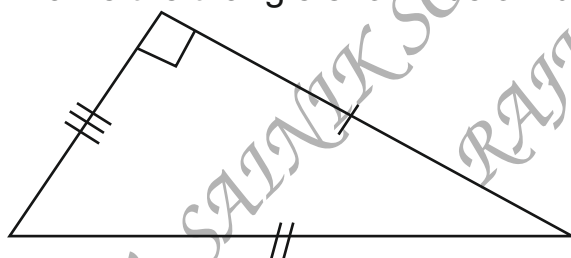
(56) Which of the following are four consecutive composite numbers ?

- (1) 22, 23, 24, 25 (2) 60, 61, 62, 65 (3) 56, 57, 58, 59 (4) 90, 91, 92, 93

(57) A pair of twin prime number between 70 and 100 is _____.

- (1) 71, 73 (2) 79, 83 (3) 97, 99 (4) 87, 89

(58) Name the triangle shown below based on both sides and angles.



- (1) isosceles and acute triangle
(2) scalene and right triangle
(3) obtuse and right triangle
(4) equilateral and obtuse triangle

(59) Given below are two statements : One is labelled as Assertion A and the other is labelled as Reason R.

Assertion A : Right angled triangle is not a regular polygon.

Reason R : All the sides and angles of a regular polygon are equal.

In the light of the above statements, choose the correct answer from the options given below :

- (1) Both A and R are true and R is the correct explanation of A.
(2) Both A and R are true but R is NOT the correct explanation of A.
(3) A is true but R is false (4) A is false but R is true.

(08)

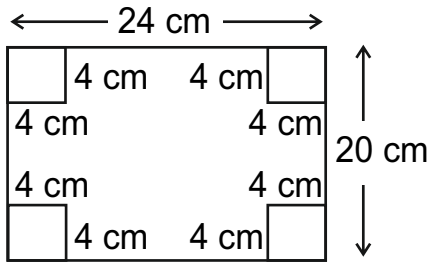
(60) Find the value of $54 \div 0.009$.

- (1) 0.006 (2) 6.0 (3) 6000 (4) 48.6

(61) A batsman scored 190 runs which included 10 boundaries and 6 sixes. What percent of his total score did he make by running between the wickets ?

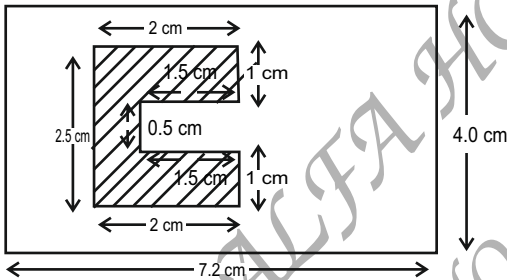
- (1) 50% (2) 60% (3) 70% (4) 75%

(62) Riya is doing a paper cutting activity. She cuts out four identical square corners of the rectangular sheet as given in the figure. Find the area and perimeter of the remaining sheet.



- (1) 416 sq. cm 88 cm
(2) 316 sq. m 80 cm
(3) 480 sq. m. 88 cm
(4) 480 sq. m 80 cm

(63) Find the area of the unshaded region in the given figure.



- (1) 6.75 cm^2
(2) 28.8 cm^2
(3) 24.55 cm^2
(4) 22.05 cm^2

(64) A farmer borrowed a sum of ₹ 10,000 from a bank at 5% rate of interest per annum. How much interest will he pay the bank in 3 years ?

- (1) ₹ 30,000 (2) ₹ 1,500 (3) ₹ 500 (4) ₹ 11,5000

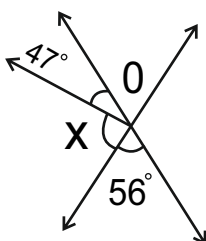
(65) Rijul took ₹ 50,000 from a person for 3 years at the rate of 8% per annum. Find the amount paid by Rijul to that person after 3 years.

- (1) ₹ 52,000 (2) ₹ 62,000 (3) ₹ 51,200 (4) ₹ 48,000

(66) Find the supplement of complement of two thirds of a right angle.

- (1) 120° (2) 150° (3) 30 (4) 60°

(67) In the figure given, the measure of x is _____.



- (1) 124°
(2) 43°
(3) 77°
(4) 56°

(09)

- (68) The product of Place-value and Face value of digit 6 in the number 7860443 is __.
- (1) 3652800000 (2) 3600000000
(3) 3626580000 (4) 360000
- (69) Find the smallest five digit number using three different digits.
- (1) 10000 (2) 20000 (3) 00021 (4) 10002
- (70) If a number is divisible by 8 and 3 both, then by which other numbers will it always be divisible.
- (1) 8 and all its factors (2) factors of 3
(3) factors of 24 (4) factors of 12
- (71) The product of two numbers with LCM of 112 is 4032. The HCF of the two numbers will be _____.
- (1) 1 (2) 12 (3) 9 (4) 36
- (72) The cost of a dozen headphones is ₹ 78,564. Samar wants to buy five headphones. Find the amount to be paid by him to get five headphones.
- (1) ₹ 40,675 (2) ₹ 32,735 (3) ₹ 32,375 (4) ₹ 43,675
- (73) Trisha is arranging fruit juices for 40 classmates. She wants to serve 250 ml of juice to each of the classmate. What is the minimum number of tetrapacks she requires for serving if each tetrapack contains 2.5 l of juice ?
- (1) 2.5 (2) 3 (3) 4 (4) 10
- (74) Compute the reciprocal of expression given below : $\frac{34}{15} \times \frac{45}{17}$
- (1) $\frac{17}{38}$ (2) $\frac{15}{45}$ (3) $\frac{1}{6}$ (4) does not exist
- (75) Radhika bought $8\frac{1}{4}$ kg of fruits. She used $2\frac{5}{6}$ kg of fruits in pudding and kept the res for fruit salad. What is the quantity of fruit left for fruit salad ?
- (1) $6\frac{2}{12}$ kg (2) $5\frac{5}{12}$ kg (3) $6\frac{1}{24}$ kg (4) $5\frac{5}{24}$ kg

SECTION – C
GENERAL KNOWLEDGE (Questions 76 to 100)

- (76) Who appoints the Prime Minister of India ?
(1) The President of India (2) Chief Election Commissioner
(3) The Chief Justice of India (4) The Chief of Defence Staff
- (77) Kolkata is located on the banks of _____.
(1) Ganges (2) Damodar (3) Hooghly (4) Padma
- (78) Choose the correct option.
This palace, located in Gwalior was built by the Maharaja of Gwalior Jayajirao Scindia. It has Italian and Tuscan style of architecture and is not a museum.
(1) Hawa Mahal Palace (2) Umaid Bhawan Palace
(3) Lake Palace (4) Jai Vilas Palace
- (79) In Ramayana, where did Lord Shri Ram marry Sita ?
(1) Ayodhya (2) Panchvati (3) Chitrakoot (4) Janakpur
- (80) Choose the correct option.
Food is stored in the roots of _____
(1) Potato (2) Sweet Potato (3) Onion (4) Ginger
- (81) Choose the correct option
_____ is the fastest healing body part.
(1) Tongue (2) Liver (3) Large Intestine (4) Skin
- (82) Ayodhya is located on the banks of the river :
(1) Ganges (2) Saryu (3) Godavari (4) Yamuna
- (83) Choose the correct option.
Sanjana found that as a seed germinates and seedling turns into a young plant, the size of the seed leaves gradually becomes smaller.
It is because :
(1) The seed leaves are absorbed back into the seed coat.
(2) The sunlight withers the seed leaves.
(3) The food in the seed leaves has been used by the growing plant.
(4) None of these

- (84) Animal which can survive without water for a long time in desert.
(1) Horse (2) Cow (3) Buffalo (4) Camel
- (85) The only species where the males bear the young.
(1) Dolphin (2) Whale (3) Sea horse (4) Tortoise
- (86) Singlis Chham dance is related to which state ?
(1) Assam (2) Manipur (3) Sikkim (4) Kerala
- (87) The instrument used to measure the speed of a vehicle is :
(1) Speedometer (2) Photometer
(3) Odometer (4) Tachometer
- (88) A sport where people use a board with small wheels is :
(1) Para motoring (2) Sky diving
(3) Skating (4) Skate boarding
- (89) This award is also known as the Lotus decoration and is India's second highest civilian award.
(1) Arjuna award (2) Padma Vibhushan
(3) Bharat Ratna (4) Ashok Chakra
- (90) _____ is the first sportsperson to win the Padma Vibhushan award in 2007.
(1) Vishwanathan Anand (2) Sunil Gavaskar
(3) Kapil Dev (4) Sachin Tendulkar
- (91) Choose the correct option to fill in the blank.
Mountains arranged in a line is known as _____.
(1) Range (2) Fold Mountain (3) Peak (4) Table mountain
- (92) Choose the correct option.
Water is known as the universal solvent because :
(1) It has many uses. (2) It can remove all kinds of dust.
(3) It is the medium in which all body metabolism happens.
(4) It can dissolve many substances.

(93) Which animal was represented on the mascot of the Delhi Asian Games 1982 ?

- (1) Elephant (2) Lion (3) Panda (4) Tiger

(94) The deficiency of which of the following vitamins causes Rickets ?

- (1) Vitamin-A (2) Vitamin-D (3) Vitamin-C (4) Vitamin - B12

(95) Who was the first Governor General of Independent India ?

- (1) Rajagopalachari (2) Mahatma Gandhi
(3) Lord Mount Batten (4) Jawaharlal Nehru

(96) Identify the Indian Nuclear Physicist, who was the founding Director and Professor of Physics at the Tata Institute of Fundamental Research.

- (1) Homi J. Bhabha (2) Ramanujan
(3) Vikram Sarabhai (4) Aryabhata

(97) When was Bangladesh formed ?

- (1) In 1971 (2) In 1905 (3) In 1970 (4) In 1947

(98) Choose the correct option.

The United Nations (UN) was founded in _____.

- (1) 1944 (2) 1945 (3) 1946 (4) 1947

(99) Identify from the following, the disease related to brain

- (1) Beri-Beri (2) Migraine (3) Jaundice (4) Diabetes

(100) Choose the correct option.

Cow dung can be used as manure as it is rich in _____.

- (1) Nitrogen (2) Sugar (3) Mercury (4) Calcium

SECTION – D
INTELLIGENCE TEST (Questions 101 to 125)

(101) Complete the following analogy :

B : 4 :: G : ___?

- (1) 36 (2) 17 (3) 18 (4) 49

(102) Find the odd one out.

- (1) Orange (2) Earth (3) Egg (4) Basketball

(103) Find the odd one out.

- (1) 97 (2) 47 (3) 81 (4) 19

(104) Pick the odd one out.

- (1) Book (2) Pencil (3) Eraser (4) Computer

(105) Find the odd out.



(106) Find the odd one out -

- (1) Kanpur (2) Vijaywada (3) Ganga (4) Guwahati

(107) Choose the odd one out -

- (1) Guitar (2) Violin (3) Sitar (4) Flute

(108) Complete the following analogy

DGA :: 12 :: AMQ : ___?

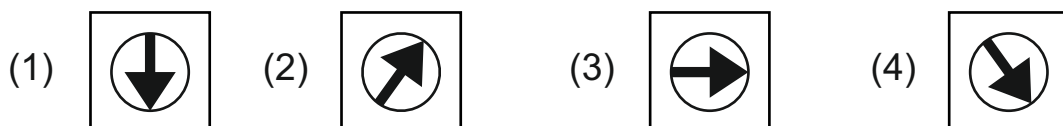
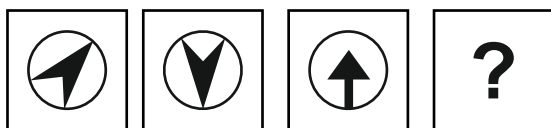
- (1) 19 (2) 31 (3) 28 (4) 17

(109) Find the missing number.

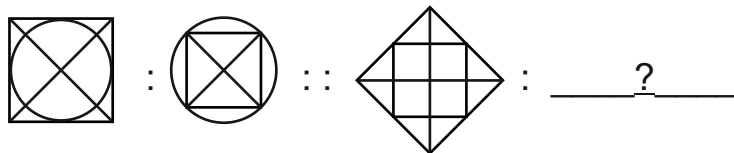
5 : 22 :: 8 : ___?

- (1) 61 (2) 37 (3) 80 (4) 50

(110) Figures A and B are related in a particular manner. Establish the same relationship between figure C and D by choosing a figure from the alternations, which replaces the question mark.

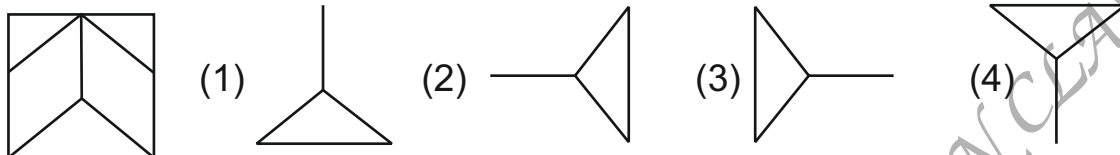


(111) Complete the pattern :

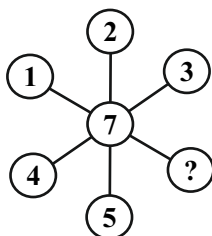


- (1) (2) (3) (4)

(112) Which of the following shapes is a part of the given figure -



(113) Which number replaces the question mark ?



- (1) 8
(2) 3
(3) 4
(4) 6

(114) Arrange the following in a Logical order from bottom to top

- (A) Knee (B) Toes (C) Calves (D) Heel (E) Ankle

Choose the correct answer from the options given below :

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

(115) Arrange the given words as they occur in the dictionary -

- (A) PRISTINE (B) PRINTER (C) PREVIOUS (D) PREVENT
(E) PRIORITY

Choose the correct answer from the options given below :

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

(116) Arrange the following in a logical order :

- (A) Rain (B) Cooling (C) Condensation (D) Heating
(E) Evaporation

Choose the correct answer from the options given below :

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

(117) Which of the following is the water image of 5374 ?

- (1) २ ६ 7 4 (2) ५ ८ ६ ७ (3) २ 3 1 4 (4) ७ ६ ८ ५

(118) Find the missing term.

400, 388, 376, 364, ___?

- (1) 352 (2) 350 (3) 354 (4) 372

(119) Find the missing term.

3, 7, 16, 35, 74, ___?

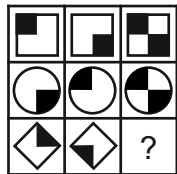
- (1) 153 (2) 160 (3) 173 (4) 151

(120) Fill in the blank.

ADDG, EHHK, ILLO, MPPS, _____

- (1) PRRT (2) QUUX (3) QTTW (4) PSSV

(121) Select the correct figure which will complete the given grid -



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

(122) Complete the following analogy:

Book : Author :: Dish : _____

- (1) Musician (2) Chef (3) Painter (4) Artist

(123) Complete the following analogy:

Flood : Drought :: Genius : _____

- (1) Think (2) Intelligence (3) Brain (4) Foolish

(124) Identify the relationship in the first pair and find the missing term of the second pair.

ADE : FGJ :: KNO : ___?

- (1) PQR (2) PQT (3) RQP (4) TPR

(125) Complete the following analogy:

Cough : Throat :: Asthama : _____

- (1) Kidney (2) Lungs (3) Head (4) Liver