Maximum Marks : 400

ACADEMY

SATISH SCIENCE ACADEMY DHANORI PUNE - 411015

## ) SAINIK SCHOOL PAPER 2 ENTRANCE EXAM - SAINIK SCHOOL (CLASS 9)

Time Allowed: 3 hours

### General Instructions:

- i. This question paper booklet contains FIVE sections. Section "A" Mathematics contains 50 questions of 4 marks each. Section "B" English, Section "C" General Science, Section "D" Social Studies and Section "E" Intelligence contain 25 questions each, of 2 marks per question. In all, the paper consists of 150 questions for a total of 400 marks. Answer all questions.
- ii. The duration of the test is 3 hours. There is no negative marking for a wrong answer.

Section - A : Mathematics

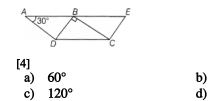
- 1) The sum of the digits of a 3 digit number is subtracted from the number. The resulting number is always. [4]
  - a) Not divisible by 9b) Divisible by 9c) Not divisible by 6d) Divisible by 6
- Find the least number which is exactly divisible by 4, 6 and 8 each. [4]

	a)	34	b) 24
	c)	12	d) 112
3)	Simp	blify: $58 + 50 - 34 + (9)$	98 - 23) [4]
	a)	158	b) 151
	c)	149	d) 167
4)	Simp	olify: 14 - $[3 + 15\{15 \times$	3 - 2(13 - 25)}][4]
	a)	1024	b) - 1024
	c)	1038	d) - 1038
5)	Write	e the additive inverse of $\frac{9}{8}$	. [4]
	a)	0	b) 1
	c)	$-\frac{9}{8}$	d) $\frac{9}{8}$

- 6) Solve for x if kx + a = mx + b [4] a)  $\frac{b-a}{k-m}$  b)  $\frac{k-m}{a-b}$ c)  $\frac{m-k}{a-b}$  d)  $\frac{a-b}{k-m}$
- 7) If a sum of ₹275 is to be divided between Shivam and Rahul so that Shivam gets more than <sup>3</sup>/<sub>4</sub> th of what Rahul gets, then the share of Shivam will be [4]
  a) ₹160
  b) ₹100
  c) ₹200
  d) ₹175
- 8) 2 numbers had the difference of 5 and the difference between their squares is 135. The product of those numbers is - [4]

a)	180	b)	178
c)	182	d)	176

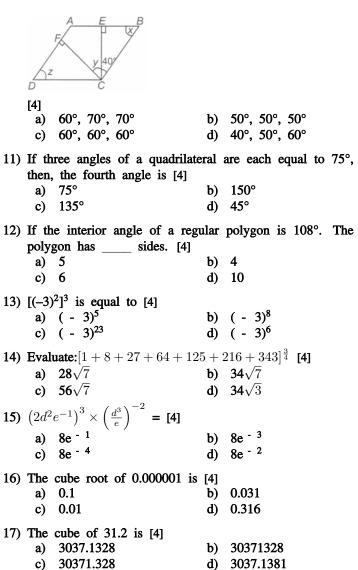
9) In the given figure, ABCD and BDCE are parallelograms with common base DC. If  $BC \perp BD$ , then  $\angle BEC$  is equal to



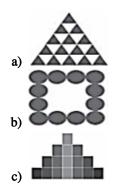
10) ABCD is a parallelogram. Find the angles x, y and z respectively in the given figure.

150°

30°



18) Which of the following symmetric arrangement cannot be used to represent a squared number? [4]





- 19) Two numbers are in the ratio of 9 : 7. If the difference of their square is 288, then the smaller of the number is [4]
  - a) 28 b) 27 c) 24 d) 21
- 20) Factors of  $x^2yz + xy^2z + xyz^2$  are [4] a) Xyz(x + y + z) b)  $Xz(x^2 + y + z)$ c) Xyz(x - y - z) d) Xy(x + y + z)
- 21) Add: a b + ab, b c + bc, c a + ac [4] a) Ab + bc + ac b) Ab + bcc) A + b + c d) Abc
- 22) Find the simple interest on ₹2500 for 2 years 6 months at 6% per annum. [4]
  a) ₹325
  b) ₹300
  - c) ₹375 d) ₹275
- 23) A honeybee colony that contains 50,000 bees in late fall may have only 10,000 bees at the end of winter. What percent of the bees live through the winter season? [4]

a)	25%	b)	20%
c)	80%	d)	50%

24) The ratio of Ram and Shyam's income is 7 : 17, and the ratio of Shyam and Sohan's income is 7 : 17, if the income of Ram is ₹490, then what is the income of Sohan? [4]

a)	₹490	b)	₹1190
c)	₹2790	d)	₹2890

25) The simple interest on ₹5000 for 219 days at 4% per annum is [4]

a)	<8U	D)	120
c)	₹120	d)	₹100

26) If the distance travelled by a rickshaw in one hour is 10 km, then the distance travelled by the same rickshaw with the same speed in one minute is [4]

	100		<b>b)</b> $\frac{500}{9}$	n
c)	$\frac{500}{3}$	m	<b>b)</b> $\frac{500}{9}$ <b>d)</b> $\frac{250}{9}$	m

- 27) Imran brought 40 toys each cost ₹4. How many toys Imran can buy at ₹8 each from the same amount? [4]
  a) 80
  b) 70
  c) 20
  d) 90
- 28) A train can finish a journey in 10 hours, travelling at a speed of 56 km/h. If another faster train is to cover the same journey in 8 hours, what would be the average speed of the new train? [4]

a)	50 km/h	b)	80 km/h
c)	60 km/h	d)	70 km/h

29) The quotient when  $6ab - b^2 + 12ac - 2bc$  is divided by (6a - b) is: [4]

a)	$\mathbf{B} + 2\mathbf{c}$	b)	2b + 6	С
c)	B - 2c	d)	2b -	с

- 30) Factorise  $21x^2y^3 + 27x^3y^3$  [4] a) 7.3.4 (x + y) b)  $7xy + 9x^2y$ c)  $3x^2y^3$  (7 + 9x) d)  $3x^2y^2$  (7y + 9x)
- 31) Distance between two towns P and Q is 240 km. A motor cycle rider starts from P towards Q at 8 pm at a speed of 40 km/h. At the same time another motor cycle rider starts from Q towards P at 50 km/h. At what time

will they meet? [4]	
a) 11 pm	b) 10 : 30 pm
c) 10 : 40 pm	d) 9 : 45 pm

32) A bus covers 400 km in 8 h, the average speed of bus is [4]

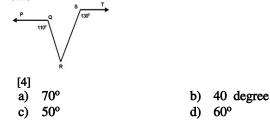
a)	30 km/h	b)	50 km/h
c)	$50\frac{1}{2}$ km/h	d)	60 km/h

- 33) A car has to cover a distance of 100 km in 10 hours. If it covers half of the journey in (<sup>2</sup>/<sub>5</sub>)<sup>th</sup> of the time, what should be its speed to cover the remaining distance in the time left? [4]
  a) 8.33 km/hr
  b) 6.4 km/hr
  c) 10 km/hr
  d) 20 km/hr
- 34) A motorist travelled between two towns, which are 65 km apart, in 2 hours and 10 minutes. Find the speed in meters per minute. [4]
  a) 500 b) 200
  - a) 500 b) c) 600 d)

35) Which of the following statements is incorrect?P : Two plane figures are congruent, if they have same shape and size.Q : All equilateral triangles are congruent. [4]

700

- a) Both P and Q b) Neither P nor Q
- c) Only Q d) Only P
- 36) In fig, if PQ|| ST,  $\angle$  PQR = 110° and  $\angle$  RST = 130°, then find the value of  $\angle$  QRS.



37) Which congruence criterion can be used to state that  $\triangle$  AOB  $\cong \triangle$  DOC?



38) In Figure if AB || CD, then

[4]

a)  $\angle 1 = \angle 4$ b)  $\angle 2 = \angle 3$ c)  $\angle 1 + \angle 2 = \angle 3 + \angle 4$ d)  $\angle 4 = \angle 1 + \angle 2$ 

39) Statement 1:In an isosceles triangle if one of its equal angle is 52°, then the greatest angle is of measure 76°. Statement 2: If an exterior angle of a triangle is a right angle, then each of its interior opposite angles are acute. [4]

a) Statement 1 is true but Statement 2 is false.

- b) Both Statement 1 and Statement 2 are true.
- c) Both Statement 1 and Statement 2 are false.d) Statement 1 is false but Statement 2 is true.

40) Name of the solid whose diagram is given below:

$$\begin{array}{c} (1) \\ a) Cylinder \\ c) Cone \\ (b) Square \\ c) Cone \\ (c) C$$

a)	61	b)	63
c)	10	d)	5

- Occurs most frequently
- Is central
- Is between maximum and minimum
- None of the foregoing
- probability that a student passes in Mathematics is  $\frac{4}{9}$ he passes in physics in  $\frac{2}{5}$  . Assuming that passing in nematics and Physics are independent of each other, is the probability that he passes in Mathematics and in Physics? [4]
  - **b**)  $\frac{19}{45}$ **d**)  $\frac{4}{15}$  $\frac{8}{45}$  $\frac{26}{45}$
- ag has 4 red balls and 2 yellow balls (The balls identical in all respect other than colour). A ball is n from the bag without looking into the bag. The ability of getting a red ball is \_\_. [4] **b**)  $\frac{152}{3}$ d)
- ch of the following is not a random experiment? [4]
  - Rolling a die
  - Tossing a coin
  - Throwing a stone from the roof of a building
  - Choosing a card from a deck of 52 cards

#### Section - B : English

- ct the word that conveys the similar meaning as the l given in capital letters:
  - OTTY [2]

a)	Terrible	b)	Difficult

- Confusing d) Mysterious
- ose the appropriate synonym: Eligible [2]
  - Actual b) Unsuitable
    - False d) Qualified
- ose the correct verb:
  - phone \_\_\_\_\_ can you answer it, please? [2] Ring
    - b) Rings
      - d) Is ringing
- ose the appropriate verb:

Rang

- you leave to prowl about? [2]
  - Is gives b) Given
- Gave d) Giving
- tify the correct tense for the given sentence: s been hailing outside for half an hour. [2]
  - Present Perfect
  - Present Indefinite
  - Present Perfect Continuous
  - Present Continuous

tion No. 56 to 60 are based on the given text. Read text carefully and answer the questions:

iliar to most people for its medicinal properties, the m is recognized by few despite its distinctive, curved es and annual profusion of star - shaped, sweet ted flowers. It is a medium - sized or large tree a straight trunk and evergreen, a native of India, na and Sri Lanka.

ng leaves are a pale, tender green tinged with rust. These are eaten on New Year days to ward off sickness during the coming years. Some people to whom the tree is sacred, also festoon fresh leaves across their houses when there is a birth or death. Dried leaves are put in drawers or cupboards to keep out moths and cockroaches.

Another use for these 'magic' leaves is in poultice form for healing wounds.

From the yellow fruit is obtained the famous Margosa oil, so effective in the treatment of leprosy and skin diseases. External application of oil from the seed is believed to cure Rheumatism. The bark and gum yield valuable medicines. In fact, every part of this tree is of some value. Neem timber is beautifully mottled, hard and heavy and is used for ship building, carts and furniture. Wood from old trees is so bitter that no insects will attack it.

56) For what is the Neem tree well known? [2]

a)	No use	b) Cooking tree
c)	Furniture tree	d) Medicated tree

57) What is the Neem tree used	for?	[2]
a) Medicine	b)	Smelling
c) Eating	d)	Cooking

- 58) What is the taste of Neem's leaf? [2] b) Sour a) Flavour taste c) Sweet d) Bitter
- 59) How can the leaves of Neem tree be recognized? [2] a) Long leaves b) Sort leaves
  - c) Curved leaves d) Simple leaves
- 60) Which disease can be fought with the help of Margosa oil obtained from the yellow fruit of Neem tree? [2]
  - a) Cancer
  - b) Aids
  - c) Leprosy and skin diseases
  - d) Blood pressure
- 61) After Krishnas birthday bash we will go to disco because weve already planned for it. Put in apostrophe wherever needed. [2]
  - a) After'
  - b) Both After' and Krishna's, we'll
  - c) Bas'h
  - d) Krishna's, we'll
- 62) The meaning of the phrase "A picture paints a thousand words" is: [2]
  - a) A word presentation is far more descriptive than picture.
  - b) The picture is well versed in painting.
  - c) A visual presentation is far more descriptive than words.
  - d) One thousand words are painted in the picture.
- 63) Make a long story \_\_\_\_. (phrase) [2]

a)	Tall	b)	Short
c)	Small	d)	End

- 64) Mithi/eat/hates/to/vegetables/green. (correct order) [2]
  - a) Vegetables green Mithi hates to eat.
  - b) Green vegetables Mithi hates to eat.
  - c) Hates to eat green vegetables Mithi.
  - d) Mithi hates to eat green vegetables.

65) Choose the appropriate adjective:

			•			
Oval	[2]					
a)	Lips			b)	Face	
c)	Teeth			d)	Eyes	

- 66) Bob is the \_\_\_\_\_ kid in the class I know. [2] b) Funniest
  - a) Funnier d) Funny
  - c) More funny

- 67) This car is used by Suresh. (active voice) [2]
  - a) This car will be used by Suresh.
  - b) Satish used this car.
  - c) Suresh uses this car.
  - d) Car is used by Suresh.
- 68) He had spent all the money. The underlined word in this sentence is: [2]
  - a) Subject b) Preposition
    - c) Object d) Verb
- 69) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).
  - i. If I will be a millionaire
  - ii. I would eradicate
  - iii. Poverty from the country
  - iv. No error
  - [2]
  - Option (a) b) Option (b) a)
  - c) Option (d) d) Option (c)
- 70) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).
  - i. There was great deal that had to be
  - ii. Scrapped, that must be scrapped; but surely, India could not have
  - iii. Been what she undoubtedly was, and could not have continued a cultured existence for thousands of years. iv. No error
  - [2]
  - Option (c) b) Option (d) a)
  - c) Option (a) d) Option (b)
- 71) My father taught Mathematics \_\_\_\_\_ \_ me. [2]
  - a) For b) To c) Towards d) Of
- 72) Find the part of the sentence which has an error: It is raining heavily so she will stand in that tree. [2]
  - b) Heavily so she a) It is raining
    - c) Will stand d) In that tree
- 73) The guest photographer is a \_\_\_\_\_ . [2]
  - a) Tall and Mexican man b) Mexican and tall man c) Tall, Mexican man d) Mexican, tall man
- people were shot dead during the riot. [2] 74)
  - a) All b) Another
  - d) Plenty c) Several
- 75) I often come home late, \_\_\_\_? (question tag) [2] a) Am not I b) Don't I c) Will not I d) Doesn't I

# Section - C : General Science

- 76) Which preventive measure(s) avoid use of pesticides? [2]
  - a) Use of pest resistant varieties of crop plant
  - b) Summer ploughing
  - c) Crop rotation
  - d) All of these

## 77) Bacteria reproduce by [2] a) Sporulation

c) Regeneration

- b) Binary fission
- d) Budding
- 78) Read the following statements:
  - i. Fuel is a substance which burns to give off heat.
  - ii. Fuel can be used to produce heat at an unreasonable cost.

[2]

- a) Both are wrong
- b) Both are correct
- c) Statement ii) is correct but i) is wrong
- d) Statement i) is correct but ii) is wrong
- 79) Coal is formed from the remains of: [2]
  - a) Both vegetation and animals
  - b) Vegetation only
  - c) Animals only
  - d) Neither vegetation nor animals
- 80) Anil was doing an experiment in his chemistry lab. He opened the air hole of Bunsen burner and adjusted it to get: [2]
  - a) Black flame b) Blue flame
  - c) Green flame d) Yellow flame
- 81) Complete combustion of most of the fuels produces (i) \_\_\_\_\_ which is responsible for (ii) \_\_\_\_\_. (i) and (ii) are respectively [2]
  - a) Oxygen and respiration
  - b) Carbon and photosynthesis
  - c) Carbon dioxide and global warming
  - d) Carbon monoxide and pollution
- 82) Read the following statements:
  - i. Restocking of destroyed forest is done by planting new trees.
  - ii. Reforestation is done by planting new trees.

[2]

- a) Statement ii) is correct but i) is wrong
- b) Both are wrong
- c) Statement i) is correct but ii) is wrong
- d) Both are correct
- 83) Banana is multiplied by means of \_\_\_\_\_. [2]
  - a) Seeds b) Leaf cuttings
  - c) Offsets d) Rhizome
- 84) New plants developed by asexual reproduction are identical to each other because they are: [2]
  - a) Produced from same fruit
  - b) Produced from same seed
  - c) Produced from single parents
  - d) Produced without cell division
- 85) Which of the following is a exocrine gland? [2]

a)	Adrenal	b)	Salivary gland
c)	Pancreas	d)	Pituitary

- 86) Moving ball slowly decrease its speed in a grassy field due to [2]
  - a) Friction between ball and grass
  - b) Static force of ball
  - c) Rolling friction due to grass only
  - d) Gravitational force of earth

87) A block has dime	ensions 5 cm $ imes$ 20 cm $ imes$ 10 cm. If	t
has a mass of 2 k	g. The ratio of minimum to maximum	ı
pressure it exerts	on the change in orientation is [2]	
a) 1:1	b) 4:1	
c) 1:2	d) 1:4	

- 88) By which property of sound the change in air temperature is affected? [2]
  - a) Intensity b) Wavelength
  - c) Amplitude
- d) Frequency

- 89) The whole apparatus of the electrodes, electrolyte and the vessel containing them is called \_\_\_\_\_. [2]
  - a) Voltameter b) Ammeter c) Electrometer d) Thermometer
  - •, \_\_\_\_\_
- 90) Building can be protected from lightening by using [2]
  - a) Lightening rod on the levels of building
  - b) All of these
  - c) Lightening rod at the top of building
  - d) Wooden logs at the top of building
- 91) The image of a tree situated at a far distance is obtained using a concave lens. The image will be formed at: [2]
  - a) Centre of curvature
  - b) Between focus and pole
  - c) At the pole of the mirror
  - d) Focus of mirror
- 92) From which one of the following you will always get a virtual, erect and of the same size as object image? [2]
  - a) Concave lens b) Concave mirror
  - c) Plane mirror d) Convex mirror
- 93) Venus is the brightest planet because [2]
  - a) The index of reflection of its surface is very high.
  - b) It is very close to the sun
  - c) The index of reflection of its surface is very low.
  - d) Its atmosphere reflects most of the light falling on it.
- 94) Which of the following oxides in aqueous solution does not turn red litmus blue? [2]
  - a) MgO b) Na<sub>2</sub>O
  - c)  $CO_2$  d)  $Fe_2O_3$
- 95) The substance like sewage, toxic chemicals, and silt forms [2]
  - a) Soil pollutant b) Water purifier
    - Air pollutant d) Water pollutants
- 96) Which of the following represents the correct match for items in Column A with those in Column B.

Column A	Column B
I. Nylon	(i) Thermoplastic
П. РVС	(ii) Thermosetting plastic
III. Bakelite	(iii) Fibre

[2]

c)

a) I - (iii), II - (i), III - (ii)

- b) I (ii), II (i), III (iii)
- c) I (ii), II (iii), III (i) d) I - (iii), II - (ii), III - (i)
- 97) Read the following statements:
  - i. Nylon is manufactured from coal, water, and air.
  - ii. Nylon is a natural fibre.
  - [2]
    - a) Statement ii) is correct but i) is wrong.
    - b) Both are wrong
    - c) Both are correct
    - d) Statement i) is correct but ii) is wrong.
- 98) Read the following statements:
  - i. Size of cells is related to size of the animal body.
  - ii. Size of cell is related to the function of that cell.
  - [2]

- a) Statement i) is correct but ii) is wrong
- b) Statement ii) is correct but i) is wrong
- c) Both are wrong
- d) Both are correct
- 99) In Fig. two boys A and B are shown applying force on a block. If the block moves towards the right, which one of the following statements is correct?



- [2]
  - a) Magnitude of force applied by A is smaller than that of B.
  - b) Magnitude of force applied by A is greater than that of B.
  - c) Magnitude of force applied by A is equal to that of Β.
  - d) Net force on the block is towards A.
- 100) Given below are statements about the harmful effects of weeds on crop plants.
  - i. They interfere in harvesting.
  - ii. They help crop plants to grow healthily.
  - iii. They compete with crop plants for water, nutrients, space and light.
  - iv. They affect plant growth.
  - Choose the correct combination of statements. [2]
  - a) I, iii, iv b) Iii, iv
  - c) I, ii, iii, iv d) Iii only

Section - D : Social Studies

- 101) Where did Akbar set up an Ibadatkhana? [2] a) Fatehpur Sikri b) Delhi
  - d) Rajasthan c) Agra
- 102) When was Queen Elizabeth I born and died? [2] a) 1557 to 1625 b) 1533 to 1603 c) 1558 to 1603 d) 1515 to 1598
- 103) Recognise the personality in dark glasses, sitting along with the members of the Congress Working Committee, Sevagram, 1942. Based on the clues given : He was born in Mecca to a Bengali mother and an Arab father

Well - versed in many languages and a scholar of Islam, he was an active participant in Gandhian movements and a staunch advocated of Hindu - Muslim unity. He opposed Jinnah's two - nation theory



- [2]
  - a) Abul Kalam Azad
  - b) Maulana Azad
  - c) Khan Abdul Gaffar Khan
  - d) Mohammed Ali Jinnah

- 104) The Khilafat Movement was led by the Ali brothers to protest against the abolition of the office of the Caliph. One of the brothers was Mohammed Ali, name the other. [2]
  - Imran Ali b) Shaukat Ali a)
  - Ajmal Ali d) Abdul Ali c)
- 105) Pick out the date on which Clement Atlee made an important announcement that the British would completely transfer power to the Indians by June 1948. [2]
  - a) On 20 February 1947 b) On 20 February 1950
  - c) On 20 April 1949 d) On 20 March 1948
- 106) Among the different goals of the Non Cooperation Movement, which one of these can be considered as the main and important goal? [2]
  - a) Boycott government functions
  - b) Attainment of Swaraj through peaceful and legitimate means
  - c) Protest against the Jalianwala Bagh massacre
  - d) Use of Khadi among people

# 107) Match the following

Column A	Column B
(i) Buddha	(a) Believe even small particle is having a soul
(ii) Mahavira	(b) The composed grammar of Sanskrit
(iii) Panini	(c) Believe a balance life help in attaining moksha

Options are as follows: [2]

a) (i) -	(c), (ii) -	(b), (iii) -	(a)
b) (i) -	(a), (ii) -	(b), (iii) -	(c)
c) (i) -	(b), (ii) -	(c), (iii) -	(a)
d) (i) -	(c), (ii) -	(a), (iii) -	(b)

108) Whose bhajan are preserved in the Guru Granth Sahib, Panch Vani, and Bijak? [2]

b) Surdas

- a) Kabir
- c) Tulsidas d) Mira Bai
- 109) What would you call resources of limited stock? [2]
  - a) Non renewable Resources
  - b) Human made Resources
  - c) Localised Resources
  - d) Renewable Resources
- 110) The deepest mine in the world is in \_\_\_\_. [2] a) North Africa b) South Africa
  - c) South America d) North America
- 111) Which of these is an example of community land? [2] Sunderban forests b) Parliament House a) c) A bungalow d) Flat
- 112) Name the important mineral, which is used as a raw material for the smelting of iron ore. [2] a) Mica b) Manganese
  - Bauxite
    - d) Copper
- 113) Alps mountain is in which continent? [2]

c)

Australia a) Europe

c)

- b) Asia d) Africa
- 114) Match the following:

6			
Waterfall	Location		
(a) Angel fall	(i) North America		
(b) Victoria fall	(ii) Africa		
(c) Niagara fall	(iii) South America		

[2]

a) (a) -	(ii), (b) -	(iii), (c) -	(i)
b) (a) -	(ii), (b) -	(i), (c) -	(iii)
c) (a) -	(iii), (b) -	(ii), (c) -	(i)
d) (a) -	(i), (b) -	(iii), (c) -	(ii)

- 115) Which one among the following is termed as emerging industry? [2]
  - a) Information technology
  - b) Textile industry
  - c) Iron and Steel industry
  - d) Paper industry
- 116) Name the important Western industrial region in India. [2]
  - a) Delhi Gurgaon Meerut region
  - b) Ahmedabad Vadodara region
  - c) Damodar Valley belt
  - d) Chottanagpur belt
- 117) Look at the various hand signs/mudras below. Choose the correct option as per what you think they may represent. Put them in the correct sequence.



- a) Welcome, Unity, All the Best, Victory
- b) All the Best, Victory, Welcome, Unity
- c) Welcome, Victory, Unity, All the Best
- d) Unity, Welcome, All the Best, Victory
- 118) Which of the following is the national radio station of India? [2]

	·· [-]		
a)	Red FM	b)	Radio India
c)	All India Radio	d)	Radio one

- 119) A few statements regarding the significance of fundamental rights are given below. Pick out the one that is inappropriate.
  - i. They do not check the authority of the government.
  - ii. They provide the necessary conditions for the moral and material protection of human beings.
  - iii. They form the foundation of an equitable society based on social injustice and social equality.
  - iv. They strengthen the secular status of the nation. [2]

a)	Only C	b)	Only B
c)	Only A	d)	Only D

120) Which political party in South Africa fought to end white minority rule in South Africa? [2]

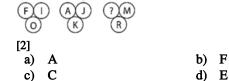
a) African National Congress

- b) South African National Congress
- c) Black African National Congress

- d) Zulu National Congress
- 121) Which type of government allows citizens to have the greatest amount of political influence? [2]
  - a) Autocracy b) Oligrachy
  - c) Democracy d) Unitary
- 122) Which Article of the Constitution states that untouchability has been abolished? [2]
  - a) Article 17 b) Article 15
  - c) Article 27 d) Article 21
- 123) When did the government amend the Child Labour Prevention Act? [2]
  - a) In October 2007 b) In January 2004
  - c) In October 2016 d) In October 2002
- 124) Exporters are those [2]
  - a) Who sell goods within domestic territory
  - b) Who purchase goods within domestic territory
  - c) Who sell goods abroad
  - d) Who purchase goods abroad
- 125) What does Weekly shop Traders do? [2]
  - a) Set up shops for the week and then close them up after week
  - b) Set up permanent shops
  - c) Set up shops for the month and then close them up after month
  - d) Set up shops for the day and then close them up in the evening

### Section - E : Intelligence

- 126) Choose which number completes the second pair in the same way as the first pair.
  - $\frac{Z}{26} : \frac{Y}{25} : : \frac{T}{20} : ? [2]$  **a)**  $\frac{S}{19}$  **c)**  $\frac{U}{1}$ **b)**  $\frac{S}{20}$ **d)**  $\frac{Q}{17}$ c)  $\frac{0}{21}$
- 127) Find the missing alphabet, if same rule is followed in all the three figures.



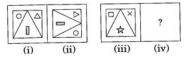
- 128) How many such odd numbers are there each of which is followed by a multiple of 2 in the given series? 6, 4, 3, 2, 4, 8, 3, 1, 5, 4, 2, 3, 2, 4, 6, 4, 8, 1, 3, 2,
  - 4, 2, 6, 4, 5 [2]

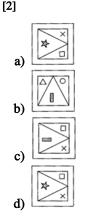
c)

- a) 3 b) 5 4 d) 2
- 129) Look carefully for the pattern, and then choose which
  - pair of numbers comes next. 4, 7, 26, 10, 13, 20, 16, ?, ? [2]
  - b) 19, 14 a) 18, 14
  - c) 14, 17 d) 14, 4
- 130) Choose the correct alternative which will complete the following series.

- 131) Choose the word which is different from the rest. Larva, Pupa, Caterpillar, Nymph [2]
  - a) Pupa b) Caterpillar
  - c) Larva d) Nymph

132) There is a certain relationship between fig. (i) & (ii). Identify the relationship and establish the same relation between figure (iii) & (iv), by selecting the figure from the given options which will replace the (?) in fig.(iv).





- 133) Choose the odd number: 25, 64, 78, 121 [2] a) 25 b) 121 c) 64 d) 78
- 134) How many possible combinations of 1 water bottle and 1 lunch box each can be formed from the given water bottles and lunch boxes?

[2] a) c)	12 16	b)
c)	16	b) d)

135) A man is facing towards West and turns through 45° clockwise, again 180° clockwise and then turns through 270° anticlockwise. In which direction is he facing now? [2]

20

8

a)	South	b)	West	
c)	North - West	d)	South -	West

136) Vansh and Puneet started walking from two different positions A and B respectively. Vansh walks 3 km North and turns to East and walks 4 km and again turns to North and walks 2 km and finally turns to East and walks 4 km to reach point 'C'. Similarly, Puneet walks 3 km North and turns to West and walks 4 km and finally turns to North, walks 2 km and meet Vansh at point 'C. What was the distance between Vansh and Puneet's starting positions? [2] a)

a)	12 km	b)	10	ĸ
c)	14 km	d)	15	k

137) Code the word SPOON

[2]

a) c)

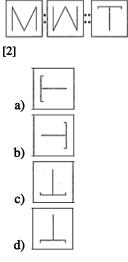
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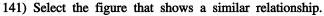
- Sharpener a)
- Eraser c)

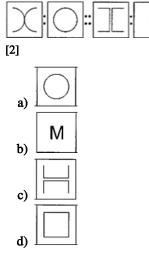
c)

- b) Ink
- Pencil d)
- 139) IfGreen is called Red, Redis called Yellowand Yellowis called Blue, what is the colour of parrot? [2] b) Red a)
  - Yellow Green
    - d) Blue

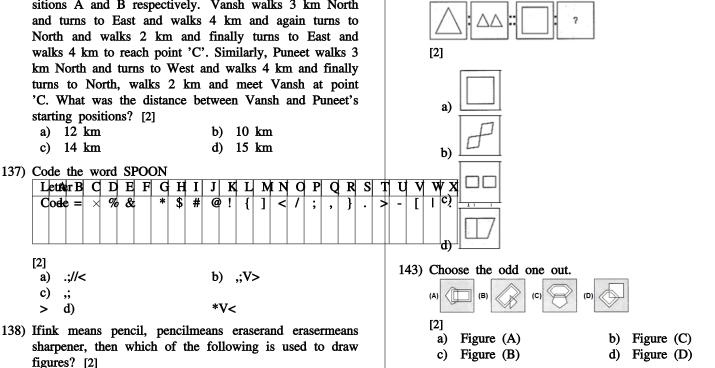
140) Select the figure that shows a similar relationship.





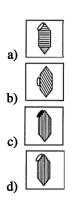


142) Select the figure that shows a similar relationship.

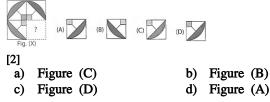


144) Choose one figure from the given alternatives that can replace the mark (?) to form a series of five figures.





145) Which of the following option will complete the pattern in Fig. (X)?



146) Select the figure from the given options, which when placed in the blank space of the given figure would complete the pattern.

