SATISH SCIENCE ACADEMY
DHANORI PUNE - 411015

SAINIK SCHOOL PAPER 5
ENTRANCE EXAM - SAINIK SCHOOL (CLASS 9)

Time Allowed: 3 hours **Maximum Marks :** 400

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) State whether the statements given in following questions are true (T) or false (F).
   i. A two - digit number ab is always divisible by 2 if b is an even number.
   ii. A three - digit number abc is divisible by 5 if c is an even number.
   iii. A four - digit number abed is divisible by 4 if ab is divisible by 4.

[4]

a) FTF b) FTT
c) TFF d) TFT

2) If $\begin{array}{r} A\,4\,A \\ \times\quad A \\ \hline 1\,B\,2\,9 \end{array}$ where A and B are single digit numbers, then A + B = _____. **[4]**

a) 4 b) 9
c) 3 d) 5

3) Which of the following rational numbers is equivalent to $\frac{2}{3}$? **[4]**

a) $\frac{3}{2}$ b) $\frac{9}{4}$
c) $\frac{4}{9}$ d) $\frac{4}{6}$

4) Solve: $\frac{1}{3\frac{4}{5}} + \frac{1}{5\frac{3}{7}} + \frac{1}{3\frac{9}{16}} - \frac{1}{5\frac{5}{18}}$ **[4]**

a) $\frac{209}{470}$ b) $\frac{323}{570}$
c) $\frac{307}{570}$ d) $\frac{303}{470}$

5) Which of the following statements is false?
   i. Natural numbers are commutative for addition.
   ii. Whole numbers are commutative for addition.
   iii. Integers are not commutative for addition.
   iv. Rational numbers are commutative for addition.

[4]

a) Option (i) b) Option (ii)
c) Option (iv) d) Option (iii)

6) Solve the equation: 2x - 3 = x + 2 **[4]**

a) 5 b) 0
c) 4 d) 3

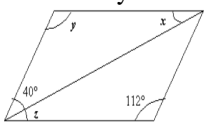
7) The value of x for which the expressions 3x - 4 and 2x + 1 become equal is **[4]**

a) 5 b) - 3
c) 0 d) 1

8) The ages of two persons differ by 20 yr. If 5 yr ago, the elder one be 5 times as old as the younger one, their present ages are **[4]**

a) 50 yr, 30 yr b) 20 yr, 10 yr
c) 30 yr, 10 yr d) 28 yr, 5 yr

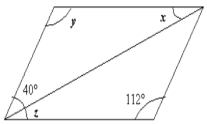
9) Given figure is a parallelogram, find the value of the unknown y.



[4]

a) 35° b) 28°
c) 40° d) 112°

10) Find the value of the unknown z.



[4]

a) 112° b) 48°
c) 40° d) 28°

11) Find the measure of each exterior angle of a regular polygon of 30° sides. **[4]**

a) 45° b) 30°
c) 12° d) 36°

12) In a quadrilateral the angles are in the ratio 3 : 4 : 5 : 6. Then the difference between the greatest and the smallest angle is **[4]**

a) 180° b) 360°
c) 60° d) 180°

13) If $a^x = \sqrt{b}, b^y = \sqrt[3]{c}$ and $c^2 = \sqrt{a}$ then the value of XYZ is **[4]**

a) $\frac{1}{3}$ b) $\frac{1}{2}$
c) $\frac{1}{12}$ d) $\frac{1}{6}$

14) For a non - zero integer x, $(x^4)^{-3}$ is equal to **[4]**

a) X^{12} b) X^{-12}
c) X^{-64} d) X^{64}

15) The standard form of 9641.76 is _____. **[4]**

a) 9.64176×10^3
b) 9.64176×10^{-1}
c) 9.64176×10^4
d) 9.64176×10^2

16) To collect rain water, Mini made a cubical tank which can hold 91125 m^3 water. She uses this water for watering the plants of her garden. What is the height of the tank? **[4]**

a) 25 m b) 45 m
c) 50 m d) 40 m

17) The product $864 \times n$ is a perfect cube. What is the

smallest possible value of n? [4]

a) 3 b) 4
c) 1 d) 2

18) Which of 132^2, 87^2, 7^2 and 209^2 would end with digit 1? [4]

a) 72^2 b) 132^2
c) 87^2 d) 209^2

19) Which of the following is a perfect square number?

i. 1225
ii. 1200
iii. 1249
iv. 1264

[4]

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

20) If $(x - 1)^2 = (2x - 3)^2$ then the value of x is - [4]

a) $2, \frac{4}{3}$
b) $\frac{3}{2}, 2$
c) $2, \frac{2}{3}$
d) $\frac{2}{3}, \frac{4}{3}$

21) When expanded the expression $(2x - y + 3z)^2$ is equal to [4]

a) $4x^2 + y^2 + 9z^2 - 4xy + 6yz + 6xz$
b) $4x^2 + y^2 + 9z^2 - 4xy - 6yz + 12xz$
c) $4x^2 + y^2 + 9z^2 + 4xy - 12xz - 6yz$
d) $4x^2 - y^2 + 9z^2 - 4xy - 6yz + 12xz$

22) Latika bought a teapot for ₹120 and a set of cups for ₹400. She sold teapot at a profit of 5% and cups at a loss of 5%. The amount received by her is [4]

a) ₹534 b) ₹546
c) ₹494 d) ₹506

23) A sum was put at SI at a certain rate for 4 years. Had it been put at 2% higher rate, it would have fetched ₹56 more? Find the sum is [4]

a) ₹500 b) ₹600
c) ₹700 d) ₹800

24) Two numbers are in the ratio 3 : 5. If 9 is subtracted from each, then the ratio becomes 12 : 23. The smaller number
is _____. [4]

a) 27 b) 33
c) 49 d) 55

25) A and B complete a work in 16 days, while A alone can finish that work in 24 days. In how many days, B alone can finish that work? [4]

a) 48 days b) 36 days
c) 64 days d) 56 days

26) A garrison has provisions for certain number of days. After 15 days, $\frac{1}{4}$ th of the men left and if it as found that the provisions will now last just as before. How long was that? [4]

a) 50 days b) 120 days
c) 70 days d) 60 days

27) A company makes 5 blue cars for every 3 white cars it makes. If the company makes 15 white cars in one day, how many blue cars will it make? [4]

a) 25 b) 17
c) 9 d) 13

28) A fort had provisions for 150 men for 50 days. After 15 days 25 men left the fort. How long will food last at the same rate for remaining men? [4]

a) 42 days b) 40 days
c) 44 days d) 24 days

29) Factors of $a(3x - 4y)^2 + 2b(4y - 3x)$ [4]

a) $(3x - 4y)(3ax - 4ay - 2b)$
b) $(3x - 4y)(3ax + 4ay - 2b)$
c) $(3x + 4y)(3ax + 8ay + 2b)$
d) $(3x + 4y)(3ax - 4ay - 4b)$

30) Simplify the given expression $39y^2(50y^2 - 98) \div 26y^2(5y + 7)$. [4]

a) $3(5y + 8)$ b) $15y - 21$
c) $15y + 21$ d) $18y - 21$

31) How much time will a train of length 200 m moving at a speed of 72 kmph take to cross another train of length 300 m, moving at 36 kmph in the same direction? [4]

a) 50 sec b) 65 sec
c) 40 sec d) 25 sec

32) A wheel of cycle covers a distance of 11 kms in 5000 rounds. Accordingly, what is the radius of the wheel? $\left(\pi = \frac{22}{7}\right)$ [4]

a) 70 b) 35
c) 17.5 d) 140

33) A train covers a distance of 300 km in 5 h, then the speed of train is [4]

a) 20 km/h b) 70 km/h
c) 60 km/h d) 10 km/h

34) A car covers a certain distance travelling at a speed of 60 kmph and returns to the starting point at a speed of 40 kmph. Find the average speed for the entire journey. [4]

a) 94 kmph b) 48 kmph
c) 54 kmph d) 72 kmph

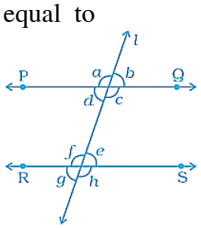
35) Which of the following statements is correct?

i. In an isosceles triangle, the angles opposite to equal sides are equal.
ii. The bisector of the vertical angle of an isosceles triangle bisects the base at right angles.
iii. If the hypotenuse and an acute angle of one right - angled triangle is equal to the hypotenuse and the corresponding acute angle of another triangle, then the triangles are congruent.
iv. All of these

[4]

a) Option (d) b) Option (a)
c) Option (b) d) Option (c)

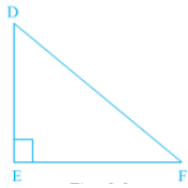
36) In Figure, PQ$\|$ RS and a : b = 3 : 2. Then, f is equal to



[4]

a) 36° b) 72°
c) 108° d) 144°

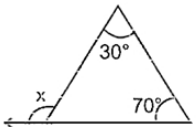
37) Triangle DEF of Figure is a right triangle with $\angle E = 90°$. What type of angles are $\angle D$ and $\angle F$?



[4]

a) They form a pair of adjacent angles
b) They are complementary angles
c) They are supplementary angles
d) They are equal angles

38) Find the value of x from the figure given below.



[4]

a) 100° b) 80°
c) 50° d) 170°

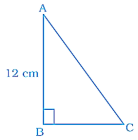
39) In an isosceles triangle, one angle is70° . The other two angles are of

i. 55° and 55°
ii. 70° and 40°
iii. Any measure

In the given option(s) which of the above statement(s) are true? [4]

a) (ii) only b) (i) only
c) (iii) only d) (i) and (ii)

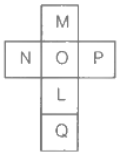
40) Area of a right triangle is 54 cm^2. If one of its legs is 12 cm long, its perimeter is



[4]

a) 54 cm b) 18 cm
c) 27 cm d) 36 cm

41) The net shown below can be folded into the shape of a cube. The face marked with the letter L is opposite to the face marked with which letter?



[4]

a) O b) M
c) N d) Q

42) A water tank whose dimensions are 1.5 m, 0.75 m and 0.48 m is full. Its contents are emptied into another empty tank whose base area is 1 m^2. How much the water level shall rise? [4]

a) 0.34 cm b) 64 cm
c) 5.4 cm d) 0.54 cm

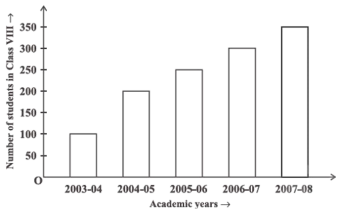
43) Which of the following is a regular polyhedron? [4]

a) Triangular prism b) Square prism
c) Cuboid d) Cube

44) _____ of a solid is the sum of the areas of its faces. [4]

a) Perimeter b) Area
c) Volume d) Surface area

45) In which year is the number of students maximum?



[4]

a) 2005 - 2006 b) 2006 - 2007
c) 2007 - 2008 d) 2003 - 2004

46) Which class has the lowest frequency?

Class Interval	Frequency
0 - 10	1
10 - 20	6
20 - 30	12
30 - 40	20
40 - 50	6
Total	45

[4]

a) 0 - 10 b) 30 - 40
c) 20 - 30 d) 10 - 20

47) A graph showing two sets of data simultaneously is known as - [4]

a) Histogram b) Pie chart
c) Double bar graph d) Pictograph

48) The least value of the probability of an event is _____. [4]

a) 0 b) - 1
c) 0.1 d) 1

49) If Rajnish has two children and he truthfully answers yes to the question**Is atleast one of your children a girl?** The probability that both his children are girls is [4]

a) $\frac{1}{2}$ b) $\frac{1}{3}$
c) $\frac{2}{3}$ d) 1

50) A bag contains 3 red and 2 blue marbles. A marble is drawn at random. What is the probability of drawing a blue marble? [4]

a) $\frac{2}{5}$ b) $\frac{3}{5}$
c) $\frac{1}{5}$ d) $\frac{1}{4}$

Section - B : English

51) Select the word that conveys the similar meaning as the word given in capital letters:
RETALIATION [2]

a) Advance b) Reaction
c) Compensation d) Revenge

52) Choose the appropriate synonym: Messy [2]

a) Tidy b) Clean
c) Spotless d) Dirty

53) Choose the correct verb:
The cafeteria was full. I _____ a seat anywhere. [2]

a) Wasn't find b) Couldn't find
c) Shouldn't find d) Wouldn't find

54) I _____ we should accept the offer. [2]

a) Would think b) Should think
c) Will think d) Think

55) **Identify the correct tense for the given sentence:**
I have been waiting for the bus since morning. **[2]**

a) Present Continuous
b) Present Perfect Continuous
c) Present Indefinite
d) Present Perfect

Question No. 56 to 60 are based on the given text. Read the text carefully and answer the questions:
People think all insects are our enemies. Children like to kill flies, bugs and mosquitoes. Many kinds of insects are our enemies. Some of them harm our trees, our clothes, our books, our houses and some of them poison our food. Some of them bite us and spread diseases. But many insects are our friends too. They eat insects that we want to get rid of. There are many insects that are neither our friends nor our enemies. They do nothing to help or harm us.

56) In this passage, the writer tells us about **[2]**

a) Usefulness of insects
b) Many kinds of insects
c) The nature of children
d) The nature of insects

57) Which of the following is the correct antonym of the given word**Enemies** **[2]**
a) Adversary b) Opponent
c) Rival d) Friend

58) Some of them bite us _____**Some** here refers to **[2]**
a) Insects b) People
c) Children d) Enemies

59) Some insects do good to us because **[2]**

a) They eat harmful insects
b) They spoil some kinds of food
c) They live in our houses
d) They save us from harmful insects

60) Some insects do more harm than good because **[2]**

a) They eat other insects
b) They are covered with dirt
c) They are annoying
d) They spread diseases

61) Abhishek my teacher is wearing a grey shirt. (use comma) **[2]**

a) Abhishek my teacher ,is wearing a grey shirt.
b) Abhishek, my teacher, is wearing a grey shirt.
c) Abhishek ,my teacher is wearing a grey shirt.
d) Abhishek my teacher is wearing, a grey shirt.

62) The meaning of the phrase "A penny saved is a penny earned" is: **[2]**

a) One must understand the importance of saving money.
b) A saved penny earns you the other one and one must understand the importance of saving money.
c) A saved penny earns you the other one.
d) A penny saved earned a penny.

63) Let's be patient and continue to work at it. Every cloud has a silver _____. **[2]**
a) Ray b) Lining
c) Streak d) Spark

64) Every country/they are found/except Antarctica./every continent/in virtually/and/inhabit (Unscramble) **[2]**

a) They are found in virtually every continent and every country except inhabit Antarctica.
b) They are found in virtually every country and inhabit every continent except Antarctica.
c) They are found in virtually every continent and inhabit every country except Antarctica.
d) Except Antarctica they are found in virtually every country and inhabit every continent.

65) **From the given adjectives pick the odd one out:**
i. Imaginative
ii. Prosaic
iii. Creative
iv. Innovative
[2]
a) Option (ii) b) Option (iii)
c) Option (iv) d) Option (i)

66) I want to learn to cook _____ rasamthan my mom. **[2]**
a) Gooder b) Good
c) Best d) Better

67) Their nails have just been pared by them. (active voice) **[2]**

a) They have paired their nails
b) Their nails have paired them
c) They have just pared their nails
d) They have been just pairing their nails

68) The teacher praised him. (passive voice) **[2]**

a) He is praised by the teacher.
b) He was praised by the teacher.
c) He will be praised by the teacher.
d) By the teacher he was praised.

69) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).
i. The pile of books
ii. Are
iii. Missing.
iv. No error
[2]
a) Option (c) b) Option (d)
c) Option (a) d) Option (b)

70) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).
i. Opening his letters
ii. Reading them carefully and sending for his clerk
iii. He dictated answers with them.
iv. No error
[2]
a) Option (b) b) Option (d)
c) Option (a) d) Option (c)

71) How many prepositions can you find in the list given below?
jump, by, what, Ravi, with, flower, she, rainbow, pool, over, hurrah, smiling, across, ground, through **[2]**
a) 7 b) 4
c) 6 d) 5

72) The cat is hiding _____ the curtains. **[2]**
a) Behind b) Over
c) Above d) Under

73) The elephant is the _____ land animal. **[2]**

a) Biggest b) Shortest
c) Bigger d) Big

74) A _____ of fish. (collective noun) [2]
a) School b) Bunch
c) Herd d) Bouquet

75) I will come _____ I am not ill. [2]
a) Though b) Till
c) If d) Then

Section - C : General Science

76) Indian farmers are unhappy over the introduction of **Terminator Seed Technology** because the seeds produced by this technology are expected to: [2]

a) Give rise to the plants, incapable of forming viable seeds.
b) Show poor germination.
c) Give rise to sexually sterile plant.
d) Form low - yielding plants despite the high quality.

77) Fungal cell wall is composed of [2]

a) Cellulose
b) Chitin
c) Hemicellulose
d) Hemicellulose and chitin

78) Read the following statements:
i. Animals & plants are living natural resources.
ii. Coal is formed from the living natural resources.
[2]

a) Statement ii) is correct but i) is wrong
b) Statement i) is correct but ii) is wrong
c) Both are wrong
d) Both are correct

79) Process of heating coal in the absence of oxygen is called: [2]

a) Destructive condensation
b) Destructive distillation
c) Carbonisation
d) Fractional distillation

80) Some substances burn on their own when kept exposed in air for some time for example: [2]
a) Oxygen b) Sulphur
c) Carbon d) Phosphorus

81) Which of the forms of energy mentioned below have lastly originated from solar energy?
i. Bio gas
ii. C. N. G. and L. P. G.
iii. Wind energy
iv. Geothermal Energy
[2]
a) (i), (ii) and (iii) b) (ii), (iii) and (iv)
c) (i), (iii) and (iv) d) (i), (ii) anc (iv)

82) Read the following statements:
i. Plant life of an area is called fauna.
ii. Animal community of a particular habitat is called vulnerable community.
[2]

a) Both are correct
b) Statement i) is correct but ii) is wrong
c) Both are wrong
d) Statement ii) is correct but i) is wrong

83) Female reproductive system contains ___ of ovaries. [2]
a) Two pair b) A pair
c) Single d) Four pair

84) Reproduction is essential for: [2]

a) Continuation of species on earth
b) Change in habitat
c) Development of variation
d) Increase in population

85) If the sperm contribute **Y** to the ovum, the gender of the baby will be [2]

a) Can't be predicted
b) It depends on the sex chromosome present in ova
c) Male
d) Female

86) The force depends on [2]

a) Pressure and mass
b) Density and acceleration
c) Mass and acceleration
d) Weight and acceleration

87) Two pieces of metal when immersed in a liquid have equal upthrust on them; then [2]

a) Both pieces must have equal densities
b) Both are floating to the same depth
c) Both pieces must have equal volumes
d) Both pieces must have equal weights

88) Speed of sound in sea water is slightly more than distilled water because [2]

a) Density of distilled water is more
b) Density of sea water is less
c) Sea is larger in size
d) Density of sea water is more

89) **Statement 1:** The conductivity of an electrolyte is very low as compared to a metal at room temperature.
Statement 2: The density of free ions in electrolyte is much smaller than density of free electrons in metals. [2]

a) Both statements 1 and 2 are true and statement 2 is the correct explanation of statement 1.
b) Both statements 1 and 2 are true but statement 2 is not the correct explanation of statement 1.
c) Both statements 1 and 2 are false.
d) Statement 1 is true but statement 2 is false.

90) An electroscope is a device that is used to find if an object is [2]
a) Hot b) Magnetic
c) Charged d) Free of cracks

91) The speed of light in vacuum is - [2]
a) 3×10^7 m/s b) 2×10^8 m/s
c) 3×10^8 m/s d) 2×10^{10} m/s

92) The bright spot formed on the surface if a convex lens is a hold in sun is the: [2]

a) Dust particles in air
b) Rays of converging light
c) Rays of diverging light
d) Image of sun

93) Shooting star is actually [2]
a) Meteorite b) Comets
c) Sun d) Asteroid

94) The chemical formula of cryolite is - [2]
a) $Al_2O_312H_2O$ b) Na_3AlF_6
c) $KAlSi_3O_8$ d) Al_2O_3

95) WWF stands for [2]
a) World woman fund
b) Water work fund
c) World Wide fund for nature
d) Water workers fund

96) Which of the following represents the correct match for items in Column A with those in Column B:

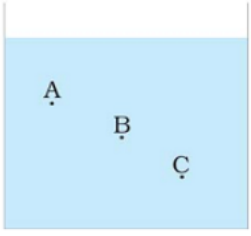
Column A	Column B
(a) Nylon	(i) Thermoplastic
(b) PVC	(ii) Thermosetting plastic
(c) Bakelite	(iii) Fibre

[2]
a) (a) - (ii), (b) - (i), (c) - (iii)
b) (a) - (iii), (b) - (ii), (c) - (i)
c) (a) - (iii), (b) - (i), (c) - (ii)
d) (a) - (ii), (b) - (iii), (c) - (i)

97) Read the following statements:
i. Acrylic is costlier than wool.
ii. It is the best alternative of wool.
[2]
a) Statement i) is wrong and ii) is correct
b) Both are wrong
c) Both are correct
d) Statement ii) is wrong and i) is correct

98) Read the following statements:
i. All life functions take place in the nucleus.
ii. Nucleus stores genetic material.
[2]
a) Statement ii) is correct but i) is wrong
b) Statement i) is correct but ii) is wrong
c) Both are correct
d) Both are wrong

99) Fig. shows a container filled with water. Which of the following statements is correct about the pressure of water?



[2]
a) Pressure at A < Pressure at B < Pressure at C
b) Pressure at A < Pressure at B > Pressure at C
c) Pressure at A > Pressure at B > Pressure at C
d) Pressure at A = Pressure at B = Pressure at C

100) Read the following statements:
i. Tilling uproots all unwanted plants.
ii. Tilling loosens the soil and mixes fertilisers.
[2]
a) Both are correct
b) Statement i) is wrong and ii) is correct
c) Both are wrong
d) Statement ii) is wrong and i) is correct

Section - D : Social Studies

101) Aurangzeb was the son of Emperor _____. [2]
a) Shah Jahan b) Humanyun
c) Akbar d) Jahangir

102) Who was a Bakhshi during the reign of Mughals? [2]
a) Military paymaster
b) Minister in charge of religious
c) Town police commander
d) Military commanders

103) The attached picture shows the statue of a great personality kept in Solapur, Maharashtra. Identify her from the given clues:
She is from the kingdom of Jhansi
She wanted the East India Company to recognize her adopted son as the heir to the kingdom

[2]
a) Begum Hazrat Mahal b) Kittur Chennamma
c) Jhalkaribhai d) Rani Laxmi Bhai

104) Which one, among the following can be considered as the first all India struggle in cities against the British government? [2]
a) Khilafat Movement b) Rowlatt Satyagraha
c) Jallianwala Bagh d) Revolt of 1857

105) Name the place in Gujarat from where Mahatma Gandhiji walked 400 km to Dandi. [2]
a) Sabarmati Ashram b) Porbander
c) Surat d) Rajkot

106) Name the Indian soldier who tried to rebel against the British at Barrackpore, but was arrested and hanged to death on 8th April 1857. [2]
a) Tantia Tope b) Mangal Pandey
c) Nana Saheb d) Bahadur Shah Zafar

107) Match the following:

State	Place
(a) Orissa	(1) Ananatavarman
(b) Kerala	(2) Mangalkavya
(c) Bengal	(3) Lilatilakam

[2]
a) (a) - (ii), (b) - (i), (c) - (iii)
b) (a) - (i), (b) - (ii), (c) - (iii)
c) (a) - (ii), (b) - (iii), (c) - (i)
d) (a) - (i), (b) - (iii), (c) - (ii)

108) What was called to the permanent shelters [2]
a) Vira b) Virah
c) Viharas d) Vias

109) Name the resources that are found everywhere like the air we breathe. [2]

a) Localised b) Renewable
c) Non - Renewable d) Ubiquitous

110) Tafilalet Oasis is a large oasis with an area of about _____. [2]
a) 13,000 sq.km b) 12,000 sq.km
c) 14,000 sq.km d) 15,000 sq.km

111) Following are the cultural landscape of the Sahara is undergoing change except for: [2]

a) Trucks are replacing camels in the salt trade
b) Gleaming glass cased office buildings tower over mosques
c) Chad is seen acting as guides to foreign tourists
d) Superhighways crisscross the ancient camel paths

112) Name the continent with the largest producer of bauxite in the world. [2]
a) Australia b) Africa
c) South America d) North America

113) The material carried by the glacier such as rocks big and small, sand and silt gets deposited. These deposits form _____. [2]
a) Glacial meanders b) Glacial moraines
c) Glacial caves d) Glacial stacks

114) Match the following:

Temperate grassland	Continent
(a) Prairies	(i) North America
(b) Down	(ii) South Africa
(c) Veld	(iii) Australia

[2]

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

115) The main motive of this type of cultivation is profit. A large area of land and a huge amount of capital is used for cultivation with the latest technological advancement. Name the type of farming from the given list. [2]
a) Nomadic farming b) Shifting Cultivation
c) Commercial Farming d) Subsistence Farming

116) Which industry is the base of all other industries? [2]

a) Leather industry
b) IT industry
c) Iron and steel industry
d) Cotton textile industry

117) The image shown below is related to

[2]

a) Electronic media
b) Personal communication
c) Direct communication
d) Print media

118) Which one is the smallest car in the world? [2]
a) BMW b) Maruti 800
c) Fiat d) Nano

119) To whom are the questions asked in the Lok Sabha addressed to? [2]
a) Prime Minister b) Speaker
c) President d) Vice President

120) Balwant Rai Mehta Committee submitted its report in which year? [2]
a) 1957 b) 1987
c) 1976 d) 1967

121) The Gram Panchayat is answerable to the [2]
a) Punch b) Gram Sabha
c) Wards d) Gram

122) According to the literacy rate by religion, 2001 how many percents of the population is literate? [2]
a) 65% b) 100%
c) 95% d) 80%

123) Define the term Impartial. [2]

a) Favoring one side over others
b) The act of being fair & not favoring one side over others
c) Pass a judgment
d) Fair trail

124) Order of Chain of marketing [2]

a) Agents - Producer - Wholesaler - Retailer
b) Producer - Agents - Wholesaler - Retailer
c) Producer - Agents ?Retailer - Wholesaler
d) Producer - Wholesaler - Retailer - Agents

125) What does the cultivation of cotton require? [2]
a) Seeds b) Pesticides
c) Fertilizers d) All of these

Section - E : Intelligence

126) Identify the correct number which can take place the missing number.
30 : 42 : : ? : 84 [2]
a) 58 b) 62
c) 66 d) 60

127) 0, 2, 8, 14, ?, 34 [2]
a) 23 b) 24
c) 20 d) 25

128) Study the following arrangement carefully:
R E 5 D A P $ 3 T I Q 7 9 B # 2 K % U 1 M W 4 * J 8 N
Three of the following four are alike in some way based on their positions in the given arrangement and so form a group. Which is the one that does not belong to that group? [2]
a) 5 A R b) K U #
c) % 1 W d) 9 # Q

129) Study the following arrangement carefully and answer the question given below.
W 1 R % 4 J E # 7 M T 2 I 9 B H 3 A $ 9 F Q 5 D G 6 U S P
If the order of the last fifteen elements is reversed, which of the following will be fifth to the right of twelfth from the left end? [2]
a) U b) $
c) 6 d) 3

130) Consider the following arrangement and answer the question that follows:
628 527 431 293 872
If the middle digit of the greatest number is subtracted from the middle digit of the smallest number after adding one to each of the numbers of the given arrangement, then which of the following numbers will be obtained? **[2]**
a) 3 b) 2
c) 5 d) 0

131) Needle is related to thread in the same way as Pen is related to _____. **[2]**
a) Cap b) Word
c) Paper d) Ink

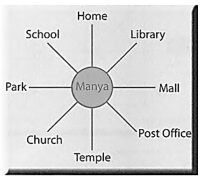
132) Choose the word which is different from the rest.
Nail, Feather, Trunk, Fir **[2]**
a) Nail b) Feather
c) Fir d) Trunk

133) Choose the word which is different from the rest.
Arrow, Missile, Sword, Bullet **[2]**
a) Missile b) Sword
c) Bullet d) Arrow

134) If day before yesterday was Sunday, then day after tomorrow will be _____. **[2]**
a) Thursday b) Friday
c) Tuesday d) Wednesday

135) Sonali walks 20 m North. Then she turns right and walks 30 m. Then she again turns right and walks 35 m. In which direction and how many metres away is she from her original position? **[2]**
a) $15\sqrt{5}$ m, South - West
b) 15 m, West
c) $15\sqrt{5}$ m, South - East
d) $15\sqrt{3}$ m, South - East

136) Manya is facing home. She will be facing if she makes a$\frac{1}{4}$ turn to her right.



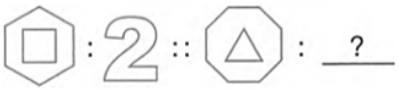
[2]
a) Mall b) Temple
c) Library d) School

137) In a certain code language, if 'WORLD' is coded as 'XOSLE', then how will 'BREAK' be coded in that language? **[2]**
a) CTEBM b) CSFBL
c) CRFAL d) BRFAL

138) If paper is called wood, wood is called straw, straw is called grass, grass is called rubber and rubber is called cloth, what is the furniture made up of? **[2]**
a) Grass b) Straw
c) Paper d) Wood

139) If **PIXIE** is **OHXHD** then **ELEANOR** is: **[2]**
a) DJDAMNQ b) DDKAMNR
c) DKDANMR d) DKDAMNQ

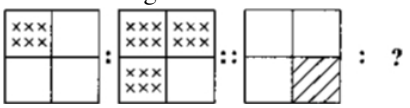
140) There is a certain relationship between the pair of figures on the either side of :: identify the relationship between the given pair and find the missing figure.



[2]

a)
b)
c)
d)

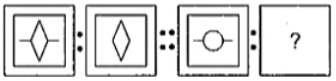
141) Select the figure that shows the similar relationship.



[2]

a)
b)
c)
d)

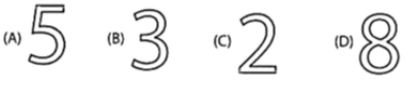
142) Select the figure that shows a similar relationship.



[2]

a)
b)
c)
d)

143) Find the odd one out.



[2]
a) Figure (D) b) Figure (B)
c) Figure (C) d) Figure (A)

144) Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem figures:

(A) (B) (C) (D) (E)

Answer figures:

(1) (2) (3) (4) (5)

[2]

a) 3 b) 1
c) 2 d) 4

145) What comes next?

[2]

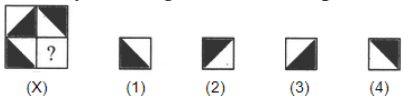
a)

b)

c)

d)

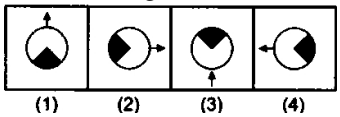
146) Identify the figure that completes the pattern.



[2]

a) 3 b) 1
c) 4 d) 2

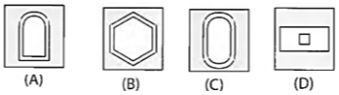
147) Select the figure which is different from others.



[2]

a) Figure (2) b) Figure (1)
c) Figure (4) d) Figure (3)

148) Choose the odd one out.



[2]

a) Figure (C) b) Figure (D)
c) Figure (B) d) Figure (A)

149) Find the mirror image of the given Figure (X), if mirror is placed along dotted line.

[2]

a) Figure (D) b) Figure (A)
c) Figure (C) d) Figure (B)

150) Find the mirror image of the given picture.

[2]

a)

b)

c)

d)