SATISH SCIENCE ACADEMY
DHANORI PUNE - 411015

SAINIK SCHOOL PAPER 2
ENTRANCE EXAM - SAINIK SCHOOL (CLASS 6)

Time Allowed: 2 hours and 30 minutes

Maximum Marks : 300

General Instructions:

- This question paper booklet contains FOUR sections.
- Section "A" Language contains 25 questions of 2 marks each.
- Section 'B' Mathematics contains 50 questions of 3 marks each.
- Section "C" General Knowledge.
- Section 'D" Intelligence contains 25 questions each of 2 marks each.
- In all, the paper consists of 125 questions for a total of 300 marks. Answer all questions.

Section A - Language

1) They gazed across the valley.
Which word is a common noun? **[2]**
a) Gazed b) Valley
c) Across d) They

2) The moon shines at night.
Which word is a proper noun? **[2]**
a) At b) Night
c) Moon d) Shines

3) Choose the correct noun:
There are three _____ in my team. **[2]**
a) Women b) Womens
c) Woman d) Womans

4) Where was Sara? Did you see her?
Which word is a proper noun? **[2]**
a) See b) Sara
c) Was d) Where

5) Stop! You can't come in here. Choose the interjection from the sentence: **[2]**
a) Here b) Stop!
c) Come d) Can't

6) Choose the proper tense or form of the verb given in brackets:
Delhi _____ on the Yamuna. **(stand)** **[2]**
a) Has stood b) Stood
c) Stands d) Is standing

7) Examples of Adverb of Place are: **[2]**
a) Outside, many b) Surely, certainly
c) Never, everywhere d) Below, inside

8) The children happily enjoyed the birthday party. (adverb) **[2]**
a) Enjoyed b) Birthday
c) Children d) Happily

9) Arrange the words in the correct meaningful sentence:
mind / it / sharp / makes / the / too **[2]**

a) Makes it the mind sharp too.
b) It makes the mind too sharp.
c) It makes the mind sharp too.
d) It makes the mind sharp too.

10) **Choose the correct present perfect or simple past form of the verb:**
Janak _____ the king of the city of Mithila. **[2]**
a) Had been b) Has been
c) Is d) Was

11) Choose the answer that tells what tense is used in given sentence:
I **have not thought**about it. **[2]**
a) Future b) Present perfect
c) Past d) Present

12) How long has Jimmy been on holiday? (Saturday) Using FOR/SINCE, choose the appropriate answer. **[2]**

a) He will be on a holiday since Saturday.
b) He had been on a holiday since Saturday.
c) He is on a holiday for Saturday.
d) He has been on holiday since Saturday.

13) Choose the word which best expresses - the meaning of the word**subterfuge**. **[2]**
a) Faithfulness b) Honesty
c) Ploy d) Candor

14) Select the word that conveys the similar meaning as the word given in capital letters:
PLEASURE **[2]**
a) Happiness b) Disappointment
c) Anxiety d) Grief

15) Ricky had to look high and low before he could find his scooter keys. The meaning of underlined idiom: **[2]**
a) Always b) Nowhere
c) Somewhere d) Everywhere

16) What is the best way to prevent milk from getting sour? Drink it when it is _____. **[2]**
a) New b) Cold
c) Delicious d) Fresh

17) Identify the form of the capitalized pronoun:
The last runner was SHE. **[2]**
a) Verb b) Object
c) Possessive d) Subject

18) Select appropriate articles for the blanks.
_____ boy fell down _____ flight of stairs but was not seriously wounded. **[2]**
a) A, an b) The, an
c) A, an d) The, the

19) **Choose the correct adjective for the given sentence:**
Hioeum Tsang was a _____ scholar. **[2]**
a) Rich b) Smart
c) Great d) Pretty

20) My father taught Mathematics _____ me. [2]
a) For b) To
c) Towards d) Of

Question No. 21 to 25 are based on the given text. Read the text carefully and answer the questions:

Primitive man was probably more concerned with fire as a source of warmth and as a means of cooking food than as a source of light. Before he discovered less laborious ways of making fire, he had to preserve it, and whenever he went on a journey he carried a fire - brand with him. His discovery that the fire - brand, from which the torch may very well have developed, could be used for illumination was probably incidental to the primary purpose of preserving a flame.

Lamps, too, probably developed by accident. Early man may have had his first conception of a lamp while watching a twig or fibre burning in the molten fat dropped from a roasting carcass. All he had to do was to fashion a vessel to contain fat and float a lighted reed in it. Such lamps, which were made of hollowed stones or sea shells, have persisted in identical form up to quite recent times.

21) The most important use of fire for primitive man was [2]

a) To provide warmth
b) To provide warmth and to cook food
c) To provide light
d) To cook food

22) Primitive man used the fire - brand to [2]

a) Lessen the labour
b) Keep away the wild animals
c) Prevent accidents
d) Provide light

23) In the passage**primary** means [2]
a) Essential b) Elemental
c) Fundamental d) Primitive

24) 'Lamps, too, probably developed by accident'. This statement shows that lamps developed through [2]
a) An accident b) Planning
c) Chance d) Fate

25) Which of the following may be the best title for the passage? [2]

a) Primitive man and fire
b) Lamps
c) Discovery of fire
d) Uses of fire

Section B - Mathematics

26) Which of the following is correct?
i. LXXI
ii. XXLI
iii. IXXX
iv. IVC
[3]
a) A b) B
c) C d) D

27) Convert : 3010 [3]
a) MX b) MMM
c) MMX d) MMMX

28) When it is 10:30, what kind of angle is formed by the hands of the clock as shown in the given clock?

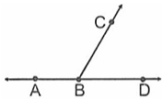
[3]
a) Acute b) Straight
c) Obtuse d) Right

29) A triangle has two angles of 55° each. What type of triangle it would be: [3]
a) Isosceles triangle b) Right angle triangle
c) Any of these d) Scalene triangle

30) In a△ ABC, AB = 11 cm, BC = 60 cm and AC = 61 cm. What type of △ ABC? [3]

a) Equilateral triangle
b) Right angled triangle
c) Obtuse angled triangle
d) Acute angled triangle

31) Which of the following is NOT drawn in the given figure?



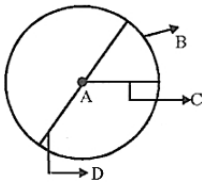
[3]
a) Line segment CD b) Line AD
c) Ray BD d) Angle B

32) 180° angle is called _____ [3]
a) Straight angle b) Obtuse angle
c) Right angle d) Acute angle

33) The angle which makes a linear pair with an angle of 61° is of: [3]
a) 122° b) 29°
c) 119° d) 61°

34) By how many times will the radius of a circle increase, if its diameter is increased by 6 times? [3]
a) 12 times b) 2 times
c) 3 times d) 6 times

35) Look at the picture given below and answer the question that follow:



The distance between the centre and any point on the circle is called its [3]
a) Circumference b) Area
c) Radius d) Diameter

36) 800 - tens = 630 [3]
a) 170 b) 270
c) 17 d) 27

37) A train 110 metres long passes a telegraph pole in 3 seconds. How long will it take to cross a railway platform 165 metres long? [3]
a) 5 s b) 4 s
c) 10 s d) 7.5 s

38) Write 630 as a roman numeral. [3]
a) DXXX b) DCXXX
c) VCXXX d) DCXX

39) Kavita had $\frac{2}{3}$ L of milk. She used $\frac{1}{4}$ L to make a cup of tea. How much milk is she left with? **[3]**
a) $\frac{7}{12}$ L
b) $\frac{9}{12}$ L
c) $\frac{1}{6}$ L
d) $\frac{5}{12}$ L

40) Which one of the following is an improper fraction? **[3]**
a) $\frac{2}{3}$
b) $\frac{7}{6}$
c) $\frac{4}{5}$
d) $\frac{11}{20}$

41) The value of $7\frac{1}{3} \div \frac{2}{3}$ of $2\frac{1}{5} + 1\frac{3}{8} \div 2\frac{3}{4} - 1\frac{1}{2}$ is _____. **[3]**
a) 3
b) 5
c) 2
d) 4

42) If x, 2, 6, and 4 are in proportion, then the value of x will be: **[3]**
a) 2
b) 1
c) 4
d) 3

43) The fourth proportional to 3, 5 and 21 is **[3]**
a) 35
b) $\frac{7}{5}$
c) 45
d) $\frac{5}{7}$

44) At what price must an article costing ₹47.50 be marked in order that after deducting 5% from the list price. It may be sold at a profit of 25% on the cost price? **[3]**
a) ₹75.00
b) ₹62.50
c) ₹72.50
d) ₹80.00

45) A tradesman by means of his false balance defrauds to the extent of 20%? in buying goods as well as by selling the goods. What percent does he gain on his outlay? **[3]**
a) 48%
b) 45%
c) 44%
d) 20%

46) Evaluate the question using the rules of BODMAS.
30 ÷ 2 - 18 ÷ 3 **[3]**
a) 12
b) 9
c) 8
d) 6

47) Evaluate 3× 4 - 2(5 - 2) **[3]**
a) 9
b) 12
c) 6
d) 5

48) Let x, y, z be three observations. The mean of these observations is **[3]**
a) $\frac{x+y+z}{3}$
b) $\frac{x \times y \times z}{3}$
c) $\frac{x \times y+z}{3}$
d) $\frac{x-y-z}{3}$

49) The population of a town is 145530. If it increases at the rate of 5% per annum, what was it 2 yr ago? **[3]**
a) 132000
b) 142000
c) 139000
d) 136000

50) 150% is equal to **[3]**
a) 0.15
b) 15.0
c) 5.1
d) 1.5

51) The length of a room is $\frac{5}{2}$ times of its breadths if the perimeter of room is 70 m, then its length will be **[3]**
a) 18 m
b) 25 m
c) 32 m
d) 21 m

52) Find the perimeter of a square whose area is 4 m^2. **[3]**
a) 9 m
b) 8 m
c) 10 m
d) 7 m

53) Which one of the following pairs are not twin - primes? **[3]**
a) 5, 7
b) 3, 5
c) 17, 23
d) 11, 13

54) 39.1× 100 = _____. **[3]**
a) 39.1
b) 3910
c) 3.91
d) 39100

55) Area of square is **[3]**
a) 4× Side
b) Side× Side
c) Side + Side
d) 2× Side

56) The length of a rectangle is 10 cm. Find the width if the area is 40 square cm. **[3]**
a) 4 cm
b) 10 cm
c) 5 cm
d) 3 cm

57) The amount at which the simple interest ₹180 earn in 18 months at 6% per annum is _____. **[3]**
a) ₹21,00
b) ₹1950
c) ₹1000
d) ₹2000

58) If simple interest of ₹3600 paid in 5 years at R% p.a. is ₹1800, then the value of R is _____. **[3]**
a) 12%
b) 15%
c) 14%
d) 10%

59) _____ is the numeral whose place value always remains the same. **[3]**
a) 3
b) 0
c) 2
d) 1

60) Find the greatest number which divides 36 and 48 completely. **[3]**
a) 13
b) 10
c) 12
d) 11

61) What is the greatest common factor (GCF) of 42 and 72? **[3]**
a) 3
b) 2 +$\frac{2}{3}$
c) 6
d) 9

62) Let abc be a three - digit number. Then abc - cba is not divisible by **[3]**
a) 9
b) 11
c) 33
d) 18

63) The commutative property over multiplication states that _____. **[3]**
a) A + (b + c) = (a + b) + c
b) A + b = b + a
c) A× b = b × a
d) A× (b + c) = (a × b) + c

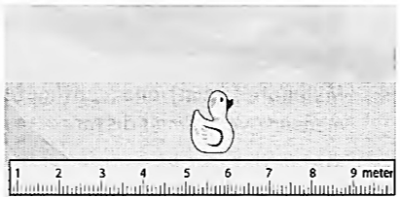
64) If 2*345 is divisible by 9 what will come at *? **[3]**
a) 9
b) 8
c) 4
d) 1

65) Mohit was given $\frac{4}{7}$ of a basket of apples. What fraction of apples was left in the basket? **[3]**
a) $\frac{2}{7}$
b) $\frac{1}{7}$
c) $\frac{3}{7}$
d) $\frac{4}{7}$

66) How many cups (10 ml) of oil are needed to fill a 70 ml frying pan?

[3]
a) 7
b) 8
c) 5
d) 6

67) Donald duck is swimming in a pond from one place to another in the pond as given below. Can you find the distance he swims from the shore?



[3]

a) 6 cm b) 5 cm
c) 7 cm d) 4 cm

68) What the volume of a rectangular box is with dimensions 2.1 m× 4 m × 5.5 m? [3]
a) 46.02 cubic m b) 46.2 cubic m
c) 45.2 cubic m d) 47.2 cubic m

69) On 1st April of a year, it is Monday. What day will it be on 18th April in the same year? [3]
a) Thursday b) Wednesday
c) Friday d) Saturday

70) Which of the following is the smallest fraction? [3]
a) $\frac{1}{10}$ b) $\frac{2}{15}$
c) $\frac{3}{8}$ d) $\frac{4}{9}$

71) Tick the correct option.
i. XI + XI = XXII
ii. X + X = X
[3]
a) Both are incorrect. b) Both are correct.
c) A is correct. d) B is correct.

72) The greatest number of 5 - digits, which is divisible by 16, 25, 40, 80 is _____. [3]
a) 99500 b) 99000
c) 99600 d) 99999

73) A train 100 m in length is running at a speed of 72 km/h. What is the time taken by the train to cross a bridge of length 525 m? [3]
a) 0.0087 h b) 0.075 h
c) 0.087 h d) 0.75 h

74) If selling price is doubled, the profit triples. Find the profit percent: [3]
a) $66\frac{2}{3}$ b) $105\frac{1}{3}$
c) 120 d) 100

75) Average age of 5 boys is 13 yr. One more boy joins them and the average age becomes 12 yr. The age of the boy who joins last is [3]
a) 13 yr b) 12 yr
c) 14 yr d) 7 yr

Section C - General Knowledge

76) Unity in Diversity is the national identity of India. [2]
a) May be b) Can't say
c) Right d) Wrong

77) The Ramayana and The Mahabharata are known as _____ of the Hindu literature. [2]
a) The Purans b) The Upanishads
c) The Vedas d) The Mahakavyas

78) Which one is not the folk dance of Uttar Pradesh? [2]
a) Swang b) Raslila
c) Nautanki d) Chhau

79) Who among the following was the first Field Marshal of Indian Army? [2]
a) Bikram Singh
b) Dalbir Singh Suhag
c) S.H.F.J. Sam Manekshaw
d) K.M. Cariappa

80) Which among the following is not the rank of the Indian Navy? [2]
a) Rear Admiral b) Wing Commander
c) Commodore d) Admiral of the fleet

81) Who was the only officer to be promoted to the five star rank of Marshal of the Indian Air Force? [2]
a) Arjan Singh b) Sunil Lamba
c) Arup Raha d) Pratap Chandra Lal

82) Calf is the young one of which of the following animals? [2]
a) Giraffe b) Bear
c) Sheep d) Donkey

83) Food is stored in the roots of _____. [2]
a) Sweet Potato b) Onion
c) Ginger d) Potato

84) After how many years FIFA World Cup is held? [2]
a) 3 Years b) Every year
c) 4 Years d) 2 Years

85) What is the process of taking food into the body through the mouth called? [2]
a) Egestion b) Ingestion
c) Assimilation d) Digestion

86) The deficiency of which vitamin causes scurvy? [2]
a) Vitamin C b) Vitamin A
c) Vitamin D d) Vitamin B

87) Nobel Prize are distributed annually at: [2]
a) Manila b) New York
c) Geneva d) Stockholm

88) Among the following, which is the only active Volcano in India? [2]
a) Barren Island b) Dhinodhar Hills
c) Neil Island d) Tosham Hills

89) How does Corona virus transmit? [2]
a) If the distance is less than 1 meter from the infected person.
b) All of these
c) If another person is nearby and inhales the droplets or touches these surfaces and further touches his face, eyes or mouth, he or she can get an infection.
d) When a person sneezes or coughs, droplets spread in the air or fall on the ground and nearby surfaces.

90) Which of the following is the India's first Lunar Mission? [2]
a) Pioneer - 1 b) Apollo - 11
c) Surveyor - 1 d) Chandrayaan - 1

91) Ajanta rock - cut caves are located on the banks of which of the following rivers? [2]
a) Shivana River b) Waghora River
c) Puma River d) Punpun River

92) How are fossil fuels formed? [2]
a) Dead remains of non - living matter
b) Dead remains of plants and animals
c) Through burying of minerals
d) Through decaying of insects

93) Highest Peak of our Himalaya mountain is called [2]

a) K2 b) Kanchan - Jungha
c) Tiger hill d) Everest

94) Conversion of chemical energy into electrical energy occurs in [2]
a) Atom bomb b) Battery
c) Dynamo d) Electric heater

95) The Ramakrishna Mission was founded by: [2]
a) Raja Ram Mohan Roy
b) Gopal Krishna Gokhale
c) Swami Vivekananda
d) Ishwar Chandra Vidyasagar

96) Jawaharlal Nehru was the first ____ of India. [2]
a) Vice President b) Prime Minister
c) Education Minister d) President

97) Who among the following was the first female High Court Judge in India? [2]
a) Fathima Beevi b) R. Banumathi
c) Ruma Pal d) Anna Chandy

98) Rajya Sabha was first constituted in: [2]
a) 1952 b) 1947
c) 1948 d) 1950

99) Which is known as**local government**? [2]
a) Gram Panchayat and Municipal Corporation
b) Nagar Nigam
c) State Government
d) Central Government

100) The Central Rice Research Station is situated in? [2]
a) Cuttack b) Bengaluru
c) Chennai d) Quilon

Section D - Intelligence

101) Choose the set of letters that completes the incomplete pair in the same way as the complete pair.
MPNQ : QTRU : : FIGP : ? [2]
a) PKMN b) MPNK
c) PMQN d) JMKT

102) Number in each pair is connected in the same way. Identify the missing number.
0.16 : 0.0016 : : 1.02 : ? [2]
a) 0.0102 b) 0.102
c) 10.20 d) 1.020

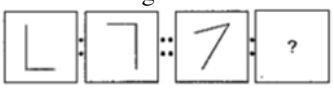
103) CAACCAC is to 3113313 as CACAACAC is to ____ [2]
a) 13133313 b) 13133131
c) 31311313 d) 31311131

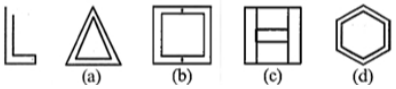
104) Identify the correct set which can take place the missing set.
U P : W N : : M M : ? [2]
a) O O b) O K
c) P K d) P P

105) Choose the set of numbers out of the four options, which is similar to the given set.
(36, 54, 81) [2]
a) (61, 71, 81) b) (54, 45, 62)
c) (71, 53, 61) d) (63, 27, 18)

106) Identify the relation between each of the given pair on either side of :: and find the missing figure/term.
PEARL: ⅃ꓤƎd
:: SEAL ::? [2]
a) ⅃ꓤƎS
b) ꓤƎ⅃S
c) ⅃ꓤƎS
d) ꓤƎ⅃S

107) Select the figure which is different from others.
(a) (b) (c) (d)
[2]
a) Figure (d) b) Figure (a)
c) Figure (c) d) Figure (b)

108) Select the figure that shows a similar relationship.

[2]
a)
b)
c)
d)

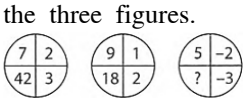
109) Select the figure in which the question figure is hidden/embedded.

[2]
a) Figure (d) b) Figure (b)
c) Figure (a) d) Figure (c)

110) Find the figure that completes the geometrical figure.

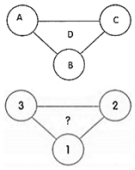
[2]
a) Figure (d) b) Figure (a)
c) Figure (c) d) Figure (b)

111) Ten balls are put in a row. Look at the figure and answer the question based on it.

If two more balls are added between ball 5 and ball 6, then how many balls are there between ball 3 and ball 9? [2]
a) 7 b) 5
c) 9 d) 6

112) Find the missing number, if same rule is followed in all the three figures.

[2]
a) 30 b) 13
c) - 30 d) 18

113) Read the figure given below. Study the pattern and fill in the blanks with the correct option:
Where A × B × C = D



[2]

a) 4 b) 6
c) 7 d) 5

114) Which of the following is the correct mirror image of Fig. (X)?

[2]

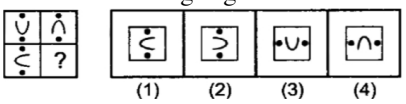
a)

b)

c)

d)

115) Find the missing figure.



[2]

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

116) Choose the word which is different from the rest.
Peak, Mountain, Hillock, Valley [2]

a) Peak b) Valley
c) Hillock d) Mountain

117) Choose the word which is different from the rest.
Buffalo, Llama, Cow, Goat [2]

a) Cow b) Llama
c) Goat d) Buffalo

118) If code for MP = LO, then code for LL = ? [2]

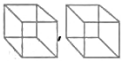
a) KK b) MM
c) OL d) BB

119) Find out the word which CANNOT be made from the letters of the given word.
CONTEMPORARY [2]

a) COMPANY b) PRAYER
c) CARPENTER d) PARROT

120) Which word cannot be made from the letters of the given word?
TEMPERAMENT [2]

a) PETER b) METER
c) TESTER d) TENT

121) If means 

means

and

means

then which is formed using squares? [2]

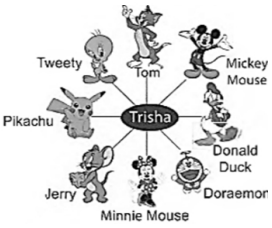
a)

b)

c)

d)

122) Trisha is facing the Doraemon, she first makes $\frac{1}{2}$ turn to her left and then $\frac{5}{8}$ turn to her right. What will she be facing now?



[2]

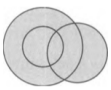
a) Donald Duck b) Jerry
c) Pikachu d) Minnie Mouse

123) Pointing out a man receiving the prize, Malaika said, "he is the brother of my uncle's daughter". Who is the man to Malaika? [2]

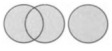
a) Cousin b) Nephew
c) Son d) Brother - in - law

124) Choose the correct Venn diagram from the options.
Girls, Athletes, Roots [2]

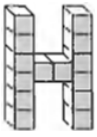
a)

b) 

c)

d) 

125) How many cubes are required to make the given figure?



[2]

a) 13 b) 10
c) 14 d) 11