



GOAL TALENT SEARCH EXAM

GOAL TALENT SEARCH EXAM Sample Paper

CLASS - 6th

Time : 2.00 Hrs.

Max. Marks : 400

INSTRUCTIONS

- This paper has 100 questions. All questions are compulsory.
- The maximum marks for each question is 4.
- 1 mark will be deducted against each negative response from the total marks.
- Use of calculator, slide rule, graph paper & trigonometric tables is NOT PERMITTED.
- In case of mismatch between English & Hindi language, question in English will be considered as the correct one.

Name of the Candidate : _____

Roll No. : _____

Class : _____

Exam Centre : _____

Centre Town : _____

GOAL TALENT SEARCH EXAM (GTSE)

[Time : 2.00 Hours]

CLASS : VI (Sample Paper)

[Full Marks : 400]

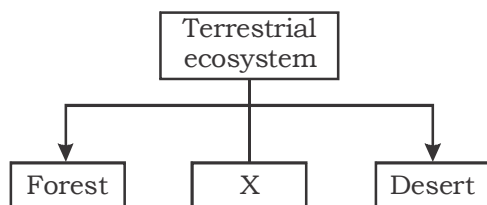
01. The distance between Delhi and Mumbai is usually expressed in units of :
(1) Decameter (2) Meter
(3) Centimeter (4) Kilometer
02. Which of the following types of motion is not exhibited by the earth moving around the Sun?
(1) Circular motion (2) Rotational motion
(3) Rectilinear motion (4) Periodic motion
03. Which of the following is a smallest unit of length?
(1) km (2) mm (3) cm (4) m
04. The height of a man is 1.56 m. This height is equal to :
(1) 1560 mm (2) 156 mm
(3) 15.6 mm (4) 1560 cm
05. How many seconds are there in 1 day ?
(1) 1,24,400 seconds (2) 92,400 seconds
(3) 86,400 seconds (4) 64,400 seconds
06. Light travels in :
(1) Straight line (2) Curved line
(3) Zig-zag line (4) Randomly
07. Which types of objects do not allow light to pass through them ?
(1) Translucent (2) Opaque
(3) Transparent (4) None of these
08. Shadows are :
(1) Always smaller than the opaque body.
(2) Always bigger than the opaque body.
(3) Remains the same size as opaque body.
(4) Can be smaller or bigger than the opaque body.
09. Stars are :
(1) Non luminous bodies.
(2) Luminous bodies.
(3) Artificial source of light.
(4) Opaque bodies.
10. This takes place from smooth polished surface when a beam of light falls on it :
(1) Reflection (2) Absorption
(3) Refraction (4) Radiation
11. Which of the following statements is true ?
(1) Electricity can be created
(2) Electricity flows in a circuit with gaps.
(3) A cell converts chemical energy to electrical energy.
(4) A cell consists of three terminals.
12. Which of the following energy conversions take place in a torch ?
(1) Electrical → chemical → light
(2) Chemical → electrical → light
(3) Electrical → light → chemical
(4) Light → chemical → electrical
13. Name a device which uses electrical cell as a source of electricity ?
(1) T.V. (2) Candle
(3) Camera (4) All of the above
14. When a bar magnet is brought near iron dust most of the dust sticks ?
(1) near the middle (2) equally everywhere
(3) near two ends (4) at the middle and ends
15. A freely suspended bar magnet rests in :
(1) north-south directions.
(2) east-west directions.
(3) upside down
(4) any direction by chance.
16. The magnetic properties of a magnet cannot be destroyed by :
(1) hammering.
(2) heating.
(3) dropping on a hard surface.
(4) boiling.

Space For Rough Work

Class-VI/01

17. Which of the following are magnetic materials?
(a) Steel (b) Nickel (c) Aluminium
(1) Only a & b (2) Only b, & c
(3) Only a & c (4) a, b & c
18. Which of the following process is carried out on looms ?
(1) Weaving (2) Knitting
(3) Ginning (4) Spinning
19. Fabrics which has the capacity of absorbing sweat and evaporates it and body makes cool and comfortable generally made by :
(1) silk (2) synthetic
(3) wool (4) cotton
20. Fibre obtained from plant and animals are called :
(1) Animal fibre (2) Plant fibre
(3) Synthetic fibre (4) Natural fibre
21. Jute fibre is obtained from which part of the jute plant ?
(1) Root (2) Stem (3) Leaf (4) Fruit
22. What makes the basis of sorting materials into groups ?
(1) Similarities in their properties.
(2) Differences in their properties.
(3) Both similarities and differences in their properties.
(4) All of these.
23. An oily thin paper sheet will be :
(1) transparent (2) translucent
(3) opaque (4) cannot be predicted
24. Which characteristics given below are of metals?
(a) They are hard
(b) They have luster
(c) They are good conductor of electricity.
(1) only a & b (2) Only b & c
(3) only a & c (4) a, b & c
25. Door locks are made of metals-which property of metals is made use of ?
(1) They have luster
(2) They are opaque
(3) They are good conductor of electricity
(4) They are hard and strong
26. Consider the following sentences and choose reversible changes :
(1) changing of bread into toast
(2) chemical changes
(3) melting of wax
(4) none of these
27. When ice melts into water, what type of changes do you observe ?
(1) Physical changes (2) Chemical changes.
(3) Both (1) & (2) (4) None of the above
28. Metal rim is made slightly than the wooden wheel :
(1) Bigger (2) Smaller
(3) Equal (4) None of these
29. A change in a substance can be brought by heating it or by it with other substances.
(1) Cooling (2) Boiling
(3) Washing (4) Mixing
30. Potable water is :
(1) ocean water
(2) ground water and selected places
(3) river water
(4) ponds water
31. Which is not a part of water cycle ?
(1) Cloud formation
(2) Rain
(3) Drinking by animals
(4) Sun
32. Which of the following lead to a reduction in the availability of ground water ?
(1) Plantation
(2) Rainwater harvesting
(3) Constructing more lakes.
(4) Building concrete roads.
33. The circulation of water between ocean and land is known as the _____.
(1) oxygen cycle (2) water cycle
(3) nitrogen cycle (4) none of these

34. Which of the following stem are edible ?
 (1) Ginger, Turmeric, potato
 (2) Carrot, radish, pumpkin
 (3) Carrot, ginger, onion.
 (4) Onion, potato, garlic.
35. Look at the following food chain,
 Grass → Zebra → Lion
 Here grass is a _____.
 (1) Herbivore (2) Omnivore
 (3) Producer (4) None of these
36. Which of the following is an energy given components ?
 (1) Protein
 (2) Vitamins and Minerals
 (3) Roughage
 (4) Carbohydrates and fats
37. Leaf venation and type of root in correctly paired in :
 (1) Parallel venation, fibrous roots.
 (2) Parallel venation, taproot.
 (3) no relation exists in leaf venation and type of roots.
 (4) reticulate venation, fibrous roots.
38. All the bones in our body form a frame work to give a shape to our body. This frame work is called the :
 (1) Skull (2) Skeleton
 (3) Joints (4) None of these
39. Which characteristics protect an animal against cold weather.
 (a) Thin skin
 (b) Thick skin.
 (c) Thick layer of fat under the skin.
 (1) a and b only (2) b & c only
 (3) a and c only (4) a, b & c
40. Which of the following is represented by 'X' in the figure given below :



- (1) Ocean (2) Pond
 (3) Grass land (4) River
41. Which one of the following statement is true ?
 (1) Air is opaque.
 (2) Air is made of one substance only.
 (3) Air contains water vapour.
 (4) Air contains large amount of inert gases.
42. Match the following.
- | Column I | Column II |
|----------------------|---|
| (a) Landfill | (p) Method of preparing compost with the help of redworms. |
| (b) Vermi composting | (q) Join the chest bone & backbone together to form a box. |
| (c) Rib cage | (r) Air in motion. |
| (d) Wind | (s) Collect the garbage in trucks & take it to low lying open area. |
- | a | b | c | d | a | b | c | d |
|-------|---|---|---|-------|---|---|---|
| (1) p | q | r | s | (2) s | p | r | q |
| (3) s | p | q | r | (4) s | q | p | r |
43. Ants move in a line because of their sense of :
 (1) sight (2) smell (3) taste (4) hearing
44. Name of the bird which has eyes in the front of its head.
 (1) Owl (2) Sparrow (3) Eagle (4) Hen
45. Which solution is given when person has vomiting and loose motions ?
 (1) ORS (2) Fruit juice
 (3) Milk (4) None
46. Which part of the tongue tastes bitter ?
 (1) Front (2) Back (3) Middle (4) All
47. Name the outermost part of a seed.
 (1) Cotyledons (2) Seed coat
 (3) Embryo (4) None of these
48. Identify the name of insectivorous plant.
 (1) Zenia (2) Cactus
 (3) Money plant (4) Pitcher plant
49. Name the seeds which disperse by water.
 (1) Lotus (2) Rose (3) Marigold (4) All

Space For Rough Work

Class-VI/03

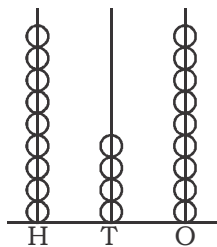
50. The components of air which are harmful to living being are :

- (1) nitrogen and carbon dioxide.
- (2) dust and oxygen.
- (3) oxygen and smoke.
- (4) Smoke and water vapour.

51. In numbers from 1 to 100, how many times does the digit 0 appear.

- (1) 9
- (2) 10
- (3) 11
- (4) 12

52. How many beads should be removed from the hundreds place in the abacus shown if it has to represent a number between 550 and 650 ?



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

53. Which of the following is the correct expansion of 27012 ?

- (1) $2000 + 700 + 0 + 10 + 2$
- (2) $20000 + 700 + 0 + 10 + 2$
- (3) $20000 + 1000 + 0 + 70 + 2$
- (4) $20000 + 7000 + 0 + 10 + 2$

54. Find the decimal number for '12.78' rounded to the nearest tenth.

- (1) 12.8
- (2) 12.7
- (3) 12.79
- (4) 13.0

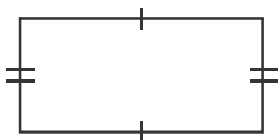
55. Round 106.5 to the nearest whole number.

- (1) 100
- (2) 106
- (3) 107
- (4) 110

56. If 58 out of 100 students in a school are boys, then write a decimal for the part of school that consists of boys.

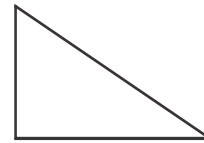
- (1) 0.50
- (2) 0.58
- (3) 58
- (4) 59

57. How many lines of symmetry does the figure have ?



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

58. How many lines of symmetry does the figure have ?



- (1) 0
- (2) 1
- (3) 2
- (4) countless

59. There are 30 boys and 20 girls in a class. The ratio of the number of girls to the number of boys is :

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

60. The ratio of 25 minutes to 1 hour is :

- (1) 7 : 5
- (2) 5 : 12
- (3) 12 : 5
- (4) 5 : 7

61. The rule, which gives the number of matchsticks required to make the matchstick pattern F, is :

- (1) $2n$
- (2) $3n$
- (3) $4n$
- (4) $5n$

62. Which of the following is an expression with numbers only ?

- (1) $x + 1$
- (2) $2x$
- (3) $1 - x$
- (4) 3

Direction (Q. 63) : Observe the following pictograph and answer the related questions :

Day	Number of students present
Monday	$\square = 10$ students $\square\square\square\square\square$
Tuesday	$\square\square\square\square$
Wednesday	$\square\square\square$
Thursday	$\square\square\square\square\square\square\square$
Friday	\square
Saturday	$\square\square$

63. On which day were the maximum number of students present ?

- (1) Monday
- (2) Thursday
- (3) Tuesday
- (4) Saturday

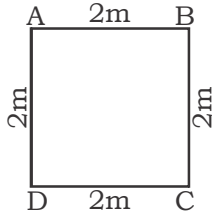
64. Perimeter of a square =

- (1) $4 \times \text{Length of a side}$
- (2) $2 \times \text{Length of a side}$
- (3) $3 \times \text{Length of a side}$
- (4) $6 \times \text{Length of a side}$

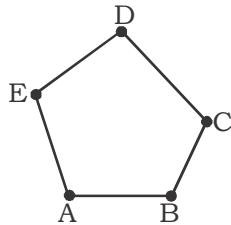
Space For Rough Work

Class-VI/04

65. The perimeter of the figure is :



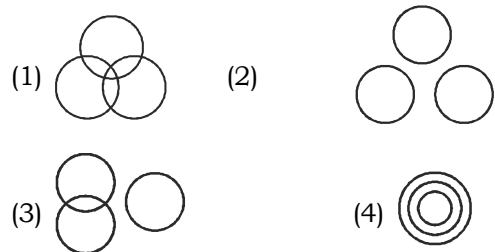
- (1) 8 m (2) 16 m
(3) 4 m (4) none of these
66. The succeeding number of the number -4 is :
(1) -1 (2) -2 (3) -3 (4) -4
67. Which of the following is true ?
(1) $0 < -8$ (2) $0 > -8$ (3) $4 < -4$ (4) $0 > 6$
68. Through what angle does the hour hand of a clock turn through, when it goes from 6 to 3 ?
(1) 90° (2) 180° (3) 270° (4) 360°
69. The measure of a straight angle is :
(1) 90° (2) 45° (3) 180° (4) 60°
70. How many lines can pass through two given points ?
(1) Only one (2) 2
(3) 4 (4) Countless
71. How many sides are there in the following figure?



- (1) 5 (2) 4 (3) 2 (4) 3
72. How many angles are there in a triangle ?
(1) 1 (2) 2 (3) 3 (4) 4
73. The greatest of the numbers :
123, 27, 650, 2342, 40000
is :
(1) 40000 (2) 2342 (3) 27 (4) 650
74. Using the digits 3, 5, 7, 0 without repetition the greatest 4-digit number that can be made is :
(1) 7530 (2) 7503 (3) 7350 (4) 7305

75. Make the smallest 4-digit number by using any one digit of 7, 0, 6 twice.
(1) 6007 (2) 6070
(3) 6700 (4) None of these
76. The successor of 99 is :
(1) 99 (2) 98
(3) 100 (4) none of these
77. The predecessor of 36 is :
(1) 34 (2) 35 (3) 33 (4) 37
78. The difference between the successor and the predecessor of a number is :
(1) 1 (2) 2 (3) -1 (4) -2
79. Which of the following numbers is not a factor of 68 ?
(1) 2 (2) 4 (3) 17 (4) 6
80. Which of the following numbers is not a factor of 15 ?
(1) 1 (2) 3 (3) 4 (4) 5
81. Find out the missing terms each marked with (?) in the series given below.
B, C, ?, H, L, ?, W
(1) E, Q (2) D, N (3) E, M (4) D, Q
82. Five boys A, B, C, D and E are sitting in a row. A is adjacent to E. E is in middle of the row. A is not adjacent to B or C. Then D is adjacent to whom?
(1) C (2) A (3) B (4) D
83. If North-West is replaced with South, then North is replaced with which of the following directions?
(1) North-West (2) North-East
(3) South-West (4) Data inadequate
84. Which one of the diagrams given below represents the relationship among the following three groups of items?

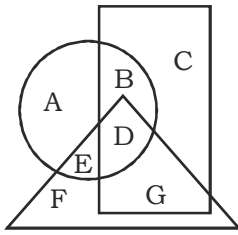
Teachers, Doctors, Children



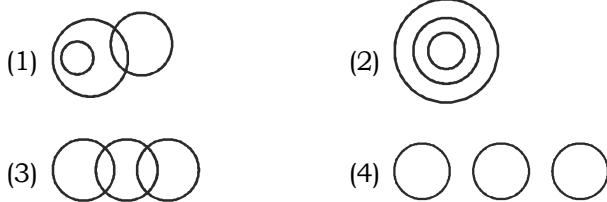
Space For Rough Work

Class-VI/05

85. Which of the following statements is correct regarding to the given diagram?



- (1) B and D are in common to circle and triangle.
 (2) B is in common to all the three figures
 (3) D and G are in common to rectangle and triangle
 (4) C and D are in triangle.
86. Which of the following Venn diagrams best represents the relationship amongst, "Red, Clothes and Roses"?



87. Which word out of the following will come in the first place if all of them are arranged as in a dictionary?
- (1) Anchor (2) Assistant
 (3) Angry (4) Assure
88. How many pairs of letters in the given word each of which has as many letters between them in the word as in the English alphabet?

S I G N A T U R E

- (1) 3 (2) 4 (3) 5 (4) 6
89. Arrange the given words in a meaningful sequence and then choose the most appropriate order from the given four alternatives.
1. Birth 2. Death 3. Study
 4. Degrees 5. Marriage
- (1) 1, 5, 2, 3, 4 (2) 1, 3, 5, 4, 2
 (3) 1, 3, 4, 5, 2 (4) 1, 5, 3, 4, 2

90. Among five friends A, B, C, D and E, D is lighter than only B. A is heavier than E and C is lighter than B. Who is heaviest amongst them?

(1) B or D (2) B
 (3) D (4) Data inadequate

91. The positions of how many digits in the number will remain same after the digits within the number 2138574 are arranged in ascending order?

(1) Nil (2) Four (3) Three (4) Two

92. If '+' means ' \div ', ' \div ' means '-', '-' means ' \times ' and ' \times ' means '+' then $110 + 11 - 10 \div 22 \times 18 = ?$

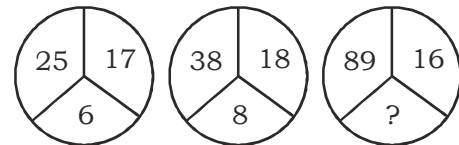
(1) 46 (2) 96 (3) 106 (4) 116

93. $16 + 4 \div 2 - 21 \times 7 = 21$

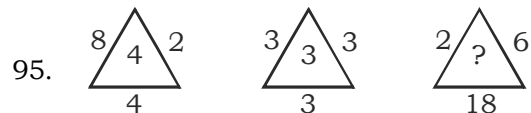
The above equation is incorrect. Which one out of the following interchanges would correct it?

(1) \div and \times (2) + and \times (3) - and \div (4) - and +

94. In the following question, a set of figures carrying certain characters, is given. Assuming that the characters in each set follow a similar pattern, find the missing character.

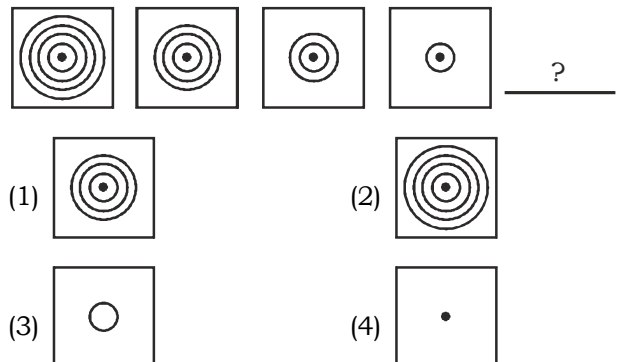


(1) 13 (2) 15 (3) 17 (4) 19

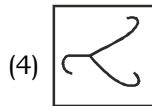
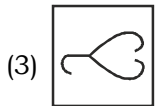
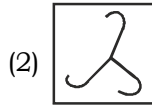
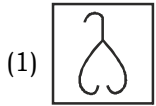
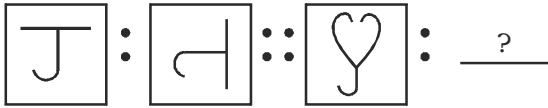


95. (1) 6 (2) 7 (3) 8 (4) 9

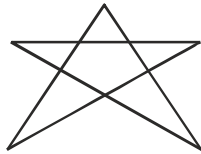
96. In the question, which figure will come next to continue the series?



97. Pair of first two figures on left side of :: have a certain relationship. To establish the same relationship between the pair of figures on right side of :: select a figure from the four alternatives to replace the mark "?".

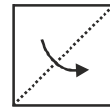


98. Count the number of triangles in the given figure.

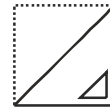


- (1) 8 (2) 10 (3) 9 (4) 5

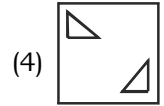
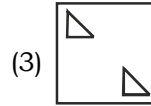
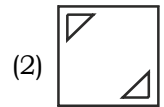
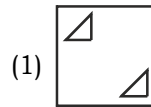
99. In the following question, the figure (i) shows the folding of the sheet of a paper along the dotted line and figure (ii) shows that a punch is made on the folded sheet. If hence the sheet is unfolded, which of the alternative figures (1), (2), (3), (4) would show the unfolded form?



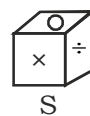
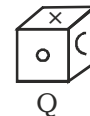
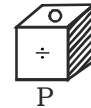
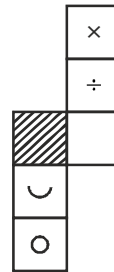
(i)



(ii)



100. A sheet of paper is given in figure which has to be folded to form a box. Choose a box from amongst the alternatives, that is similar to the box formed.



- (1) P and Q only (2) S only
(3) R and S only (4) Q and S only

ANSWER KEY
CLASS - 6

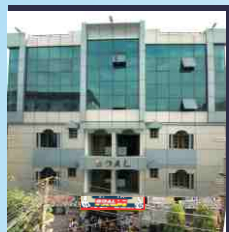
1. (4)	26. (3)	51. (3)	76. (3)
2. (3)	27. (1)	52. (2)	77. (2)
3. (2)	28. (2)	53. (4)	78. (2)
4. (1)	29. (4)	54. (1)	79. (4)
5. (3)	30. (2)	55. (3)	80. (3)
6. (1)	31. (3)	56. (2)	81. (1)
7. (2)	32. (4)	57. (2)	82. (2)
8. (4)	33. (2)	58. (1)	83. (4)
9. (2)	34. (1)	59. (1)	84. (3)
10. (1)	35. (3)	60. (2)	85. (3)
11. (3)	36. (4)	61. (3)	86. (3)
12. (2)	37. (1)	62. (4)	87. (1)
13. (3)	38. (2)	63. (1)	88. (2)
14. (3)	39. (2)	64. (1)	89. (3)
15. (1)	40. (3)	65. (1)	90. (4)
16. (4)	41. (3)	66. (3)	91. (3)
17. (1)	42. (3)	67. (2)	92. (2)
18. (1)	43. (2)	68. (3)	93. (1)
19. (4)	44. (1)	69. (3)	94. (2)
20. (4)	45. (1)	70. (1)	95. (1)
21. (2)	46. (2)	71. (1)	96. (4)
22. (3)	47. (2)	72. (3)	97. (3)
23. (2)	48. (4)	73. (1)	98. (2)
24. (4)	49. (1)	74. (1)	99. (2)
25. (4)	50. (3)	75. (1)	100. (4)

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DHANBAD
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Help Line
9334098595, 9308057050

BHILAI
■ Shop No. 166, New Civic Centre
■ 139, Zonal Market, Sector 10
Help Line
07884013502, 09826943595

RAIPUR
Beside Vidya Hospital,
Shankar Nagar
Help Line
07714060711, 07415884100

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Help Line: 7564900045



PATNA (Corporate Office)
B-58, GOAL Building,
BUDHA COLONY,
Patna - 800001
Help Line: 9334594165/66/67



RANCHI (CLASSROOM & HEAD OFFICE)
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