

BINAR MERIT TEST EXAMINATION - 2020-21

बिहार योग्यता जाँच परीक्षा-2020-21

नियंत्रक :-

- सभी प्रश्न यस्तुनिष्ठ हैं
- सभी प्रश्न का उत्तर देना अनिवार्य है।
- सभी प्रश्न एक 1 अंक का है।
- किसी भी प्रश्न का गलत जवाब देने पर कोई अंक कटा नहीं जाएगा।

पूर्णांक - 20

समय - 90 मिनट

वर्ग - VII

1. What cross-section do you get when you give a horizontal cut to an ice-cream cone?
 (A) Triangle (B) Circle (C) Rectangle (D) Square
2. How many lines of symmetry are there in a rhombus?
 (A) 1 (B) 2 (C) 3 (D) 4
3. Which of the following letters of English alphabet has reflectional symmetry about a vertical mirror?
 (A) H (B) J (C) Z (D) P
4. If a is any non-zero integer, then $a^0 =$
 (A) a (B) 0 (C) 1 (D) None of these
5. Which of the following is true?
 (A) $2^0 = (100)^0$ (B) $10^2 \times 10^8 = 10^{16}$ (C) $2^2 \times 3^3 = 65$ (D) $2^3 > 3^2$
6. Find the value of the expression $z^3 - 2(z - 10)$ for $z = 10$
 (A) 10 (B) 100 (C) 1000 (D) 10000
7. Which of the following is not the value of π ?
 (A) $22/7$ (B) $7/22$ (C) 3.14 (D) Both A & C
8. The area of a parallelogram is 20cm^2 and height is 2cm. Find the corresponding base.
 (A) 3cm (B) 4cm (C) 5cm (D) 2.4cm
9. Which vertex of $\triangle ABC$ is right angled if $\overline{AB} = 8\text{cm}$, $\overline{AC} = 6\text{cm}$ and $\overline{BC} = 10\text{cm}$?
 (A) $\angle C$ (B) $\angle A$ (C) $\angle B$ (D) A or C
10. Choose the correct option in which a triangle can't be constructed with the given length of sides.
 (A) 3cm, 4cm, 5cm (B) 7cm, 6cm, 5cm (C) 10cm, 7cm, 2cm
 (D) 12cm, 8cm, 6cm.

11. Which of the following rational number is not equivalent to $\frac{3}{5}$?
- (A) $\frac{6}{10}$ (B) $-\frac{3}{-5}$ (C) $\frac{9}{15}$ (D) $\frac{12}{24}$
12. If Meena gives an interest of Rs. 45 for one year at 9% rate p.a. what is the sum she borrowed?
- (A) Rs. 400 (B) Rs. 300 (C) Rs. 500 (D) Rs. 700
13. Out of 25 children in a class, 15 are girls what is the % of girls?
- (A) 50% (B) 60% (C) 40% (D) 30%
14. Out of 32 students, 8 are absent. what percent of the students are present?
- (A) 50% (B) 10% (C) 25% (D) 75%
15. What is the different between the greatest and least number of $\frac{5}{9}, \frac{1}{9}$ & $\frac{11}{9}$?
- (A) $\frac{2}{9}$ (B) $\frac{4}{9}$ (C) $\frac{10}{9}$ (D) $\frac{2}{3}$
16. Which is better for comparison in the atmosphere: 1g of air contains:
- (A) 0.78g Nitrogen (B) 0.21g oxygen (C) 0.01g other gas (D) None of these
17. Convert the given decimal fractions to %.
- (A) 6.5% (B) 0.065% (C) 65% (D) None of these
18. What comes next in the sequence 2, 4, 10, 28, —?
- (A) 64 (B) 70 (C) 76 (D) 82
19. In $\triangle ABC$ and $\triangle DEF$, $AC = DF$, $AB = DE$ & $BC = EF$. By which property are $\triangle ABC$ and $\triangle DEF$ congruent?
- (A) R.H.S (B) S.S.S (C) S.A.S (D) A.S.A
20. Express 200g in kg.
- (A) 0.02 (B) 0.002 (C) 0.2 (D) 0.800
21. The Madhya Pradesh government accepted the demand of the TMS in the year.
- (A) 1997 (B) 1988 (C) 1979 (D) 1999
22. The government gave rights for in Tawa reservoir.
- (A) Hunting (B) Fishing (C) Grazing (D) None of these
23. What do you think large farmers would sell their cotton?
- (A) Weekly Market (B) Export (C) Import (D) Market
24. Who linked the producer of cotton to the buyer at the supermarket?
- (A) A chain of Market (B) wholesaler (C) Retailer (D) None
25. A Hawker sells his goods at:
- (A) costly rate (B) free of cost (C) cheaper rate (D) None



$$\frac{25}{15} \times 100 = \frac{2500}{15}$$

26. Towards what Advertisement draw our attention?
 (A) Product (B) Brand value (C) Brands (D) All of these
27. Rashsundari Devi was from -
 (A) Bengal (B) Maharashtra (C) Manipur (D) Bihar
28. Which are the languages Rokeya Sakhawat learned?
 (A) Bengla (B) English (C) Marathi (D) Both A & B
29. Which of the following country is not touched by the Sahara Desert?
 (A) Egypt (B) ~~Libya~~ (C) Saudi Arabia (D) None of these
30. Nile valley is located in.
 (A) ~~Egypt~~ (B) Ghana (C) Mali (D) Sahara
31. What do you mean by the Gangotri?
 (A) River (B) Glacier (C) Pond (D) waterfall
32. The prairies are bound by the great lakes in the.
 (A) North (B) South (C) East (D) West
33. The coldest month in the velds is.
 (A) December (B) June (C) ~~January~~ (D) July
34. What are the cattle farms in north America are called?
 (A) Bison (B) Shed (C) Ranches (D) combine
35. Which area is drained by the river mississippi?
 (A) Canada (B) Africa (C) Japan (D) None of these
36. Which of the following is not a cash crop?
 (A) Maize (B) Cocoa (C) ~~Rice~~ (D) None of these
37. What are the staple food of Amazon Manboe are called?
 (A) coco (B) Cassava (C) coriander (D) Potato
38. How have satellites proved themselves helpful?
 (A) oil exploration (B) Survey of forest (C) undergroundwater (D) All of these
39. Nadir shah was the ruler of which country?
 (A) Iran (B) Afgan (C) Iraq (D) None of these
40. What was Mani-pravalam?
 (A) statue (B) Language (C) king (D) saint
41. In sewerage manholes are located at every.
 (A) 20-25m (B) ~~50-60m~~ (C) 90-100m (D) 100-110 m.

42. Which one of the following is used in vermi-processing toilet?
 (A) Earthworm (B) cockroach (C) Both of these (D) None of these.
43. Which among the following forest animals is the smallest?
 (A) fox (B) Bear (C) Bison (D) Porcupine
44. Which year was observed as International year of fresh water?
 (A) 2002 (B) 2003 (C) 2004 (D) 2006
45. The amount of heat produced in a wire depend on.
 (A) Material (B) length (C) thickness (D) All of these
46. A simple pendulum takes 42 sec. to complete 20 oscillations, what is time period?
 (A) 2.1s (B) 4.2s (C) 21s (D) 8.40s
47. The correct symbol to represent the speed of an object is:
 (A) 5mp (B) 5 m/s² (C) 5m/s (D) 5 s/m
48. In which of the following plants buds are present on the margins of leaves?
 (A) Chandan (B) Bryophyllum (C) Butia (D) Reflexia
49. Aquatic animals like fish excrete their wastes in gaseous form as:
 (A) oxygen (B) Hydrogen (C) Ammonia (D) Nitrogen
50. Name the organ of the body in which the blood is oxygenated.
 (A) Heart (B) Lungs (C) Liver (D) Pancreas
51. The smallest particles of rock form the?
 (A) A-horizon (B) B-Horizon (C) C-Horizon (D) D-Horizon
52. Which layer of the soil has most nutrients for plants?
 (A) Top soil (B) Sub soil (C) Parent soil (D) Bed rock
53. ~~It~~ Aerates the soil and allows the air to reach the roots of plants
 (A) Earthworm (B) Bacteria (C) fungi (D) Virus
54. The colour of red soil due to presence of
 (A) Iron oxide (B) Minerals (C) vitamins (D) None
55. Second cyclone hit Orissa on: -
 (A) 22 Oct 1999 (B) 29 Oct 1999 (C) 18 Oct 1999 (D) None of these
56. The number of homeless people hit by cyclone was.
 (A) 30000 (B) 60000 (C) 80000 (D) 70000
57. What can be the maximum speed of tornado?
 (A) 30km/h (B) 300km/h (C) 3000km/h (D) 3km/h

58. Wind are expected to blow towards the equator, at a latitude of:
 (A) 40°N (B) 20°N (C) 30°N (D) 80°N
59. If the soil is too basic, it is treated with -
 (A) Quicklime (B) salt (C) Organic matter ~~(D) Water~~
60. Scientific name of mulberry is -
 (A) Legumes (B) *Morus alba* (C) *Spirogyra* (D) None of these
61. This is a _____ question. (Difficult - Adjective)
 (A) More difficult (B) Easy ~~(C) Most difficult~~ (D) Difficult
62. Visible (Prefix)
 (A) invisible (B) non-visible (C) devisible ~~(D) Invisibile~~
63. He is _____ richest man in the town.
 (A) A (B) An ~~(C) The~~ (D) None
64. After emerging from his underground home, Tilloo hoped.
 (A) to climb (B) to see the sun (C) to see the stars ~~(D) either (B) or (C)~~
65. There are societies that care of animals. One such is -
 (A) WWF (B) PCAS (C) SPCA (D) WWE
66. If the bear behaved himself, the lady promised him the gift of:
 (A) A kitten (B) An apple (C) A parasol (D) Bessies
67. Abbu Khan lived in -
 (A) Almoza (B) the hills (C) loneliness ~~(D) a hut~~
68. When Mr. Purcell saw the doves liberated, he felt:
 (A) miserable (B) Punished (C) sorry (D) Insulted
69. Golu was advised to go to the Limpopo river by.
 (A) The mynah (B) his conscience (C) The crocodile (D) Both (A) & (B)
70. When it gets hot inside the body, we:
 (A) Become (B) Get angry (C) sweat (D) None of these
71. The game of cricket traces its origin from.
 (A) England (B) India (C) Pakistan (D) Mumbai
72. _____ goes a little stiffly after lunch.
 (A) Sun (B) Bus (C) cycle (D) car
73. _____ was lying topsy-turvy in the middle of the path
 (A) the child (B) ball bearing (C) the man (D) a thief

74. Fire is a bad master if it is:-

- (a) made by coal (B) Made by electricity (c) under (d) uncontrolled

75. The 'Flash point' of fuel is:-

- (A) torch light (B) temperature to burn (c) memory (d) lighting match

76. The oldest living things in the world is:-

- (A) Douglas fir (B) the Oak (c) Bristlecone pine (D) the cedar

77. Mr Wonka took from Bristlecone pine:-

- (A) A pint of salt (B) A pint of sap (c) A pinch of sap (D) None

78. Mr Gessler died of:-

- (A) slow starvation (B) cholera (c) rabies (D) a shock

79. The king had to order to allow him in.

- (A) the gateman (B) the mad man (c) his servant (D) the courtiers

80. The man crying the fish seemed to be:-

- (A) a mad man (B) a vendor (c) a fish seller (D) More important