

SBI Bank Clerk Numerical Ability Exam Paper With Answers 2007

1. A clock shows the time as 6 a.m. If the minute hand gains 2 minutes every hour, how many minutes will the clock gain by 9 p.m.?

- (a) 30 minutes
- (b) 25 minutes
- (c) 28 minutes
- (d) 34 minutes

2. Find the right number, from the given options, at the place marked by the question mark: 2, 4, 8, 32, 256, ?

- (a) 4096
- (b) 8192
- (c) 512
- (d) 1024

3. Find the number missing at question mark:

10, 11, 23, 39, 64, ?, 149

- (a) 100
- (b) 103
- (c) 78
- (d) 128

4. A super fast bus of KSRTC starting from 'Trivandrum' and reaches 'Attingal' in 45 minutes with an average speed of 40 km/hr. If the speed is increased by 10 km/hr how much time it will take to cover the same distance?

- (a) 34 minutes
- (b) 36 minutes
- (c) 38 minutes
- (d) 40 minutes

5. The difference between 6 times and 8 times of a figure is 14. What is the figure?

- (a) 12
- (b) 9
- (c) 7
- (d) 6

6. If $92y = 36$ what is $9y$?

- (a) 4
- (b) 6
- (c) 9
- (d) 18

7. One fourth percent of 180 is:

- (a) 4.5
- (b) 0.45
- (c) 0.045
- (d) 45

8. A candidate appearing for an examination has to secure 40% marks to pass paper I. But he secured only 40 marks and failed by 20 marks. What is the maximum mark for paper I?

- (a) 100
- (b) 200
- (c) 180
- (d) 150

9. Find the missing number 32, 52, 74, 112, 135

- (a) 16
- (b) 15
- (c) 17
- (d) 14

10. If 250 is increased to 300, what is the percentage increase?

- (a) 16.67
- (b) 20
- (c) 23
- (d) 17

11. The ratio of 9 seconds to 10 hours is

- (a) 1:40
- (b) 1:4000
- (c) 9:10
- (d) 1:400

12. A person lost 10% when he sold goods at Rs.153. For how much should he sell them to gain 20%?

- (a) 204
- (b) 250
- (c) 240
- (d) 210

13. What will be xy if $7862xy$ is to be divisible by 125?

- (a) 25
- (b) 00
- (c) 75
- (d) 50

14. A train of 100 meters long is running at the speed of 36 km per hour. In what time it passes a bridge of 80 meters long?

- (a) 30 seconds
- (b) 36 seconds
- (c) 20 seconds
- (d) 18 seconds

- 15. If two-third of a bucket is filled in one minute then the time taken to fill the bucket completely will be**
(a) 90 seconds (b) 70 seconds (c) 60 seconds (d) 100 seconds
- 16. If a quarter kilogram costs Rs. 60 then how much will cost for 150 grams?**
(a) Rs. 30 (b) Rs. 24 (c) Rs. 36 (d) Rs. 40
- 17. If 3 men or 6 boys can do a piece of work in 20 days then how many days with 6 men and 8 boys take to do the same work?**
(a) 5 (b) 8 (c) 10 (d) 6
- 18. Find the sum of first 100 natural numbers**
(a) 5050 (b) 5005 (c) 9900 (d) 9050
- 19. Two poles of height 6 meters and 11 meters stand on a plane ground. If the distance between their feet is 12 meters then find the difference in the distance between their tops:**
(a) 12m (b) 5m (c) 13m (d) 11m
- 20. How many balls of radius 4 cm can be made from a solid sphere of lead of radius 8 cm?**
(a) 4 (b) 8 (c) 16 (d) 2
- 21. The solution to $x^2 + 6x + 9 = 0$ is**
(a) $x_1 = +3, x_2 = -3$ (b) $x_1 = 3, x_2 = 3$
(c) $x_1 = -3, x_2 = -3$ (d) No solution
- 22. What is the chance of getting a 2 or 4 in rolling a die?**
(a) $\frac{2}{3}$ (b) $\frac{1}{6}$ (c) $\frac{1}{3}$ (d) $\frac{1}{2}$
- 23. At what rate of simple interest per annum an amount will be doubled in 10 years?**
(a) 10% (b) 7.5% (c) 16% (d) 15%
- 24. Five times an unknown number is 5 less than 50. The unknown number**
(a) 10 (b) 11 (c) 9 (d) 5
- 25. The acute angle between the hour hand and minute hand of a clock at 4 PM**
(a) 90 (b) 120 (c) 150 (d) 240
- 26. Water is filled in a cylindrical vessel in such a way that its volume doubles after every five minutes. If it takes 30 minutes for the vessel to be full, then the vessel will be one fourth full in**
(a) 20 minute (b) 25 minutes
(c) 7 minutes 30 seconds (d) 10 minutes
- 27. If 10 cats can kill 10 rats in 10 minutes how long will it take 100 cats to kill 100 rats**
(a) 1 minutes (b) 10 minute (c) 100 minutes (d) 10000 minutes
- 28. If 75 % of a number is added to 75, the result is the number itself, then the number is:**
(a) 250 (b) 750 (c) 400 (d) 300
- 29. A school has enough food for 400 children for 12 days. How long will the food last if 80 more children join them?**
(a) 6 days (b) 7 days (c) 10 days (d) 8 days
- 30. The sum of two consecutive numbers is 55, which is the largest number?**
(a) 25 (b) 28 (c) 26 (d) 27
- 31. When a shop keeper sold $\frac{2}{3}$ of an item, he got the cost price of the whole lot. What is the percentage of his profit?**
(a) $33\frac{1}{8}\%$ (b) $66\frac{2}{3}\%$ (c) 25 % (d) 50 %
- 32. The perimeter of a rectangular field is 480 meters and the ratio between the length and breadth is 5:3. The area of the field is:**
(a) 7,200m² (b) 15,000m² (c) 54,000m² (d) 13,500m²
- 33. If you add 100 to a certain number, the result will be more than, if you multiply that number by 1000 what is that number?**
(a) 1.5 (b) 1.0 (c) 2.5 (d) 2.0

34. A student has to secure 40 % marks to pass. He gets 150 marks and fails by 30 marks. What is the maximum marks?

- (a) 400 (b) 500 (c) 475 (d) 450

35. The circumcentre of an obtuse triangle will always be in the

- (a) Interior of the triangle
(b) Midpoint of the diameter
(c) Exterior of the triangle
(d) Midpoint of the side of the triangle

36. What is the degree measure of a semicircle?

- (a) 360 (b) 90 (c) 270 (d) 180

37. Which among the following is the point of intersection of the medians of a triangle?

- (a) Circumcentre (b) Centroid (c) Orthocenter (d) Incentre

38. The height of a cone and its base diameter are equal. If the base radius is 'r' what is its slant height?

- (a) $3r$ (b) $4r$ (c) $\sqrt{5}r$ (d) $\sqrt{3}r$

39. The radii of two spheres are in the ratio 2:3. What is the ratio of their surface areas?

- (a) 4:9 (b) 2:3 (c) 8:27 (d) 4:6

40. What is the common ratio of the progression $3\sqrt{2}, 6, 6\sqrt{2}$?

- (a) 3 (b) 2 (c) $\sqrt{2}$ (d) $\sqrt{3}$

41. In class of 100 students 50 students passed in Mathematics and 70 passed in English, 5 students failed in both Mathematics and English. How many students passed in both the subjects?

- (a) 25 (b) 30 (c) 50 (d) 45

42. Speed of a boat in still water is 9 km/hr. It goes 12 km down stream and comes back to the starting point in three hours. What is the speed of water in the stream?

- (a) 3 km/hr (b) 4 km/hr (c) 4.5 km/hr (d) 5 km/hr

43. A student was asked to add 16 and subtract 10 from a number. He by mistake added 10 and subtracted 16. If his answer is 14 what is the correct answer?

- (a) 20 (b) 26 (c) 30 (d) 32

44. Find the area of a right angled triangle whose hypotenuse is 10 cm and base 8 cm.

- (a) 48 sq.cm (b) 34 sq.cm (c) 24 sq.cm (d) 42 sq.cm

45. Find the next term of the series: 3, 6, 9, 18, 27, 54,

- (a) 81 (b) 69 (c) 63 (d) 57

46. A number consists of 20 plus 20% of its value. The number is:

- (a) 20 (b) 22 (c) 25 (d) 30

47. 20% of 5 + 5% of 20 =

- (a) 5 (b) 2 (c) 6 (d) 21

48. The angle between the minute hand and the hour hand of a clock, when the time is 8.30

- (a) 800 (b) 600 (c) 1050 (d) 750

49. Rs. 1581 is divided among A, B and C in the ratio 10 : 15 : 6. What is the share of B?

- (a) 306 (b) 765 (c) 700 (d) 510

50. The sum of four consecutive counting numbers is 154. Find the smallest number:

- (a) 36 (b) 37 (c) 38 (d) 31

Answers

1 A 11 B 21 C 31 D 41 A 2 B 12 A 22 B 32 D 42 A 3 A 13 D 23 A 33 B 43 B 4 B 14 D 24 C 34 D 44 C 5 C 15 A 25 B 35 C 45 A 6 B 16 C 26 A 36 D 46 C 7 C 17 D 27 B 37 B 47 B 8 D 18 A 28 D 38 C 48 D 9 C 19 C 29 C 39 C 49 B 10 B 20 B 30 B 40 C 50 B