

## GENERAL KNOWLEDGE

1. Arrange the following states in the ascending order of their areas :

- Gujarat, Karnataka, Maharashtra, Tamil Nadu  
(1) Maharashtra, Tamil Nadu, Gujarat, Karnataka  
(2) Tamil Nadu, Karnataka, Gujarat, Maharashtra  
(3) Karnataka, Gujarat, Tamil Nadu, Maharashtra  
(4) Gujarat, Karnataka, Tamil Nadu, Maharashtra

2. Which film won the Swarna Kamal for the best feature film of 2013 in The National Film Awards ?

- (1) Bhag Milkha Bhag  
(2) Shahid  
(3) Ship of Theseus  
(4) Liar's date

3. How many members can the President nominate to the Rajya Sabha ?

- (1) 2 (2) 1  
(3) 12 (4) None

4. Absence of Vitamin C can cause which of the following diseases ?

- (1) Rickets  
(2) Night-Blindness  
(3) Scurvy  
(4) Beri beri

5. Who among the following was awarded the Nobel Prize in Literature 2014 ?

- (1) Shuji Nakamura  
(2) Edward L. Moseley  
(3) Taya Cole  
(4) Patrick Modiano

6. The ratio of width of our National flag to its length is  
(1) 3 : 2 (2) 2 : 3  
(3) 2 : 4 (4) 3 : 4

7. Which of the following countries had fewer gold medals than India in the Incheon Asian Games 2014 ?

- (1) Iran (2) Thailand  
(3) Qatar  
(4) Kazakhstan

8. In which session of The Indian National Congress was 'Jana Gan Mana' first sung ?

- (1) Calcutta 1911  
(2) Calcutta 1917  
(3) Amritsar 1919  
(4) Belgaum 1924

9. Who wrote the Vaidikhyat ?

- (1) Yajusvalkya  
(2) Panini  
(3) Patanjali  
(4) Shabara

10. Which among the following rivers flow into the Arabian Sea ?

- (1) Narmada (2) Kavari  
(3) Krishna (4) Godavari

11. The emperor Kanishka belonged to which dynasty ?

- (1) Sushtrakata  
(2) Pallava  
(3) Kushan  
(4) Satavahana

12. Poona Pact was signed between

- (1) Gandhi J. and Ambedkar  
(2) Gandhi J. and Nehru  
(3) Gandhi J. and Simon  
(4) Gandhi J. and Irwin

13. Who among the following had not served as Governor of the Reserve Bank Of India ?

- (1) D.D. Bhandarkar  
(2) Dalal Jahan  
(3) Bhaguram Kojur  
(4) Arvind Subramanian

14. Which among the following colours has the least wavelength ?

- (1) Violet (2) Indigo  
(3) Yellow (4) Red

15. Find the next one in the following series :

ACB, DFE, GHI, ---

- (1) JKL (2) HLI  
(3) EJI (4) LKJ

16. Which among the following is an official language of the United States ?

- (1) Arabic (2) Hindi  
(3) Japanese (4) Latin

17. Where is the Satish Dhawan Space Centre located ?

- (1) Bengaluru  
(2) Sriharikotta  
(3) Thiruvananthapuram  
(4) Hyderabad

18. Where is the headquarters of Allahabad Bank ?

- (1) Allahabad (2) New Delhi  
(3) Kolkata (4) Lucknow

19. With which revolutionary leader is Chittagong Armoury Raid associated ?

- (1) Rajaguru  
(2) Surya Sen  
(3) Rashbehari Bose  
(4) Bagha Jatin

20. With which of the following is Mark Zuckerberg associated ?

- (1) Twitter (2) Yahoo  
(3) WikiLeaks (4) Facebook

21. The number of Panchsairal Dattas as given in the Constitution of India is

- (1) 8 (2) 10  
(3) 11 (4) 28

22. John is the brother of Peter. Julie is the sister of David. Peter is the son of John. How is John related to Julie?

- (1) Son (2) Brother  
(3) Nephew (4) Father

23. Dispur is the capital of which Union Territory?

- (1) Arunachal Pradesh  
(2) Mizoram  
(3) Tripura  
(4) Manipur

24. The 2008 Summer Olympics will be held in which country?

- (1) South Korea  
(2) Germany  
(3) Qatar  
(4) Brazil

25. In the series 3, 4, 7, 8, 11, 12, ... what number should come next?

- (1) 7 (2) 10  
(3) 14 (4) 15

## MATHEMATICS

26. The sum of ages of 5 children born at the intervals of 3 years each is 88 years. What is the age of the youngest child?

- (1) 4 years (2) 6 years  
(3) 8 years (4) 10 years

27. Atul is two years older than Antony who is twice as old as Ashok. If the total of the ages of Atul, Antony and Ashok is 27 years, then how old is Antony?

- (1) 7 years (2) 8 years  
(3) 9 years (4) 10 years

28. A sum of Rs. 15,000 amounts to Rs. 15,800 in 4 years at the rate of simple interest. What is the rate of interest per annum?

- (1) 8.5% (2) 9%  
(3) 8.4% (4) 9%

29. What number must be added to 6, 16 and 8 to get an average of 11?

- (1) 22 (2) 28  
(3) 20 (4) 18

30. If the perimeter of a square is 64 cm, what is the length of one side?

- (1) 16 cm (2) 158 cm  
(3) 8 cm (4) 32 cm

31. A car completes a certain journey in 5 hours. It covers half the distance at 40 km per hour and the rest at 60 km per hour. The length of the journey is

- (1) 300 km  
(2) 420 km  
(3) 354 km  
(4) 434 km

32. If  $A : B = 2 : 3$  and  $B : C = 4 : 5$ , then  $C : A$  is equal to:

- (1) 15 : 8 (2) 7 : 9  
(3) 8 : 5 (4) 8 : 15

33.  $1.25 \times 0.125$  is the same as

- (1)  $1.25 \times 0.0125$   
(2)  $12.5 \times 1.25$   
(3)  $0.125 \times 0.0125$   
(4)  $0.0125 \times 0.0125$

34. A two-digit number is such that the product of the digits is 8. When 18 is added to the number, then the digits are reversed. The number is:

- (1) 24 (2) 34  
(3) 42 (4) 53

35. The sum of two numbers is 28 and the difference of their squares is 145. The difference between the numbers is:

- (1) 15 (2) 8  
(3) 6 (4) 11

36. Which of the following fractions is the smallest?

- (1)  $\frac{11}{12}$  (2)  $\frac{9}{11}$   
(3)  $\frac{4}{5}$  (4)  $\frac{5}{7}$

37. If the side of a square is increased by 25%, then by how much per cent does its area get increased?

- (1) 12% (2) 56.25%  
(3) 56 (4) 66.25

38. The area of a rectangle 144 metre long is the same as that of a square having one side 84 metre long. What is the width of the rectangle?

- (1) 7 metre (2) 14 metre  
(3) 48 metre (4) 84 metre

39. A sum fetched a total simple interest of Rs. 4016.25 at the rate of 8 per cent per annum in 5 years. What is the sum?

- (1) Rs. 4462.50  
(2) Rs. 5032.5  
(3) Rs. 5000  
(4) Rs. 5025

40. A book seller sells 40% of his books and still has 450 books. How many books did he have originally?

- (1) 750 (2) 668  
(3) 600 (4) 675

41. Three partners Vijay, Sunil and Ashok invested Rs. 90000, Rs. 30000 and Rs. 10000 respectively. Out of a profit of Rs. 2500, Sunil's share is

- (1) Rs. 2300 (2) Rs. 1700  
(3) Rs. 900 (4) Rs. 1000

42. Mohinder and Ravinder can do a piece of work in 6 days. Mohinder alone can do it in 9 days. What is the time taken by Ravinder alone to do the work?

- (1) 18 days (2) 15 days  
(3) 12 days (4) 7 days

43. A man buys a toy for Rs. 1400 and sells it at a loss of 16%. What is the selling price of the toy?

- (1) Rs. 1060  
(2) Rs. 1160  
(3) Rs. 1190  
(4) Rs. 1015

44. What per cent of  $\frac{2}{7}$  is  $\frac{1}{35}$  ?

- (1) 2.4%      (2) 0.25%  
(3) 10%      (4) 5%

45. A man took loan from a bank at the rate of 12% p.a. simple interest. After 2 years he had to pay Rs. 8400 interest only for the period. The principal amount borrowed by him was

- (1) Rs. 30000  
(2) Rs. 15000  
(3) Rs. 18000  
(4) Rs. 12000

46. The ratio between the perimeter and the breadth of a rectangle is 5 : 1. If the area of the rectangle is 216 sq. cm, what is the length of the rectangle ?

- (1) 36 cm  
(2) 24 cm  
(3) 54 cm  
(4) data inadequate

47. Find the value of  $6.8 + 0.08 + 0.008 + 0.0008$

- (1) 8.08  
(2) 8.0000008  
(3) 8.8888  
(4) 0.88888

48. If  $2865 + 3.95 = 1380$ , then  $286.5 + 325$  is equal to

- (1) 1.01      (2) 1.1  
(3) 0.11      (4) 11

49. If  $2994 + 14.6 = 172$ , then  $29.94 + 1.45 = ?$

- (1) 0.173      (2) 1.73  
(3) 17.2      (4) 172

50. A vendor has a sale of Rs. 6435, Rs. 6927, Rs. 6865, Rs. 7230 and Rs. 6882 for five consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs. 6890 ?

- (1) Rs. 6961  
(2) Rs. 8001  
(3) Rs. 5991  
(4) Rs. 9991

## ENGLISH LANGUAGE

**Directions (51-54) :** In each of these questions choose the word closest in MEANING to the given word, from among the options.

51. DANGEROUS

- (1) Hazardous (2) Overlying  
(3) Guilty  
(4) Inflammable

52. IMPROPTU

- (1) Improper (2) Stolen  
(3) Inappropriate  
(4) Spontaneous

53. MEDICINE

- (1) Mincure (2) Mediculous  
(3) Inferior (4) Exorbitant

54. LURE

- (1) Steal (2) Attract  
(3) Flate (4) Write

55. TOXIC

- (1) Poisonous (2) Licitate  
(3) Thromose (4) Prail

**Directions (56-58) :** In each of these questions fill in the blanks to complete the proverb.

56. Never look a gift horse in the

- \_\_\_\_\_.  
(1) eye      (2) mouth  
(3) stomach      (4) tail

57. Too many cooks \_\_\_\_\_ the broth

- (1) spoil      (2) prepare  
(3) cook      (4) stir

58. Actions \_\_\_\_\_ louder than words

- (1) act      (2) show  
(3) speak      (4) scream

**Directions (59-63) :** In each of these questions choose the word OPPOSITE in meaning to the given word from the options given.

59. PERSUADE

- (1) Discourage (2) Persue  
(3) Sway      (4) Avail

60. WATCHFUL

- (1) Punctual (2) Blind  
(3) Attentive (4) Careless

61. MOIST

- (1) Damp      (2) Dry  
(3) Soggy      (4) Azzent

- (1) Positive      (2) Doubtful  
(3) Kind      (4) Calm

62. SECURE

- (1) Endangered  
(2) Defended  
(3) Protected  
(4) Commercial

**Directions (64-68) :** Read the following passage carefully and answer the questions.

Flu viruses and Ebola viruses take different routes to the same biological goal: to get into new hosts and replicate. Yet misconceptions about how they travel continue to circulate, including the persistent notion that Ebola, like influenza, is airborne. An airborne virus, in one that gets into droplets called aerosols that are so tiny they can float on air currents instead of falling to the ground. Influenza can spread this way as people cough and sneeze. Ebola, on the other hand, spreads through contact with fluids from infected people. During an infection, the virus makes huge numbers of copies that contaminate the victim's vomit, blood, diarrhea, urine and saliva. Close contact with an infected person is necessary to become infected. Influenza, on the other hand, is very good at spreading fast, traveling the globe every year. But scientists still are not sure how it does it so well. Scientists have trapped hammer-headed bats in the Democratic Republic of Congo, and they have found that 10 per cent of them carry antibodies to the virus. Antibodies are Y-shaped proteins that can latch on to a specific virus and prevent it from infecting cells. Plasma extracted from the blood of Ebola survivors might be transfused into infected people, possibly helping them fight the infection. Scientists suspect that the more contact humans make with bats — eating their meat, for example, or fruit that bats have handled — the more likely they will encounter an infectious animal.

64. Which of the following is true?

- (1) Ebola is an airborne disease
- (2) Ebola is spread through contact with fluids from infected people
- (3) Both of these
- (4) Neither of these

65. What are aerosols?

- (1) Tiny droplets
- (2) Antibodies
- (3) Flying bats
- (4) Airborne virus

66. Which of the following can be said to be correct?

- (1) Ten per cent of the population of Congo have Ebola
- (2) Influenza is caused by Ebola
- (3) Ten per cent of bats in Congo are known as hammer-headed bats
- (4) None of these

67. Antibodies are \_\_\_\_\_

- (1) Viruses
- (2) Proteins
- (3) Genes
- (4) Plasma

68. According to the passage, how does influenza spread in fact?

- (1) Through antibodies
- (2) Through plasma
- (3) Through proteins
- (4) Scientists are not sure

Directions (69-75) : In the following questions, fill in the blanks.

69. Is this \_\_\_\_\_ car?

- (1) you're      (2) yours
- (3) your        (4) you are

70. We went there by taxi, \_\_\_\_\_ we?

- (1) didn't      (2) did
- (3) weren't    (4) were

71. It looks \_\_\_\_\_ the government has got a lot of problems.

- (1) while        (2) for
- (3) as that      (4) as if

72. I'll be in the office \_\_\_\_\_

- 9 p.m.
- (1) on            (2) for
- (3) since        (4) until

73. I don't like either cancer \_\_\_\_\_ rickets

- (1) and            (2) but
- (3) or             (4) nor

74. Which word means 'relating to the sea'?

- (1) Martial
- (2) Marital
- (3) Maritime
- (4) Mercantile

75. Which word means 'a comparison of two things based on their being alike in some way'?

- (1) Anecdote
- (2) Anatomy
- (3) Anemia
- (4) Analogy