

PREVIOUS QUESTION PAPER

GENERAL KNOWLEDGE

1. Where is the office of the Open University (IGNOU) :
 (a) Indore (b) Bombay
 (c) Chandigarh (d) New Delhi.
2. How many Universities are under the direct control of Punjab Govt. :
 (a) Five (b) Three
 (c) Two (d) Six.
3. The term D.E.O. stands for :
 (a) Deputy Education Officer
 (b) Development Education Officer
 (c) Dist. Education Officer
 (d) None of the above.
4. 'Tales from Shakespeare' has been written by :
 (a) Shakespeare
 (b) Charles Lamb
 (c) Jane Austen
 (d) Meredith.
5. ELV. test is a diagnostic test for :
 (a) Liver trouble
 (b) AIDS
 (c) ENT trouble
 (d) Chest trouble.
6. TLC and DLC tests are meant for :
 (a) Liver
 (b) AIDS
 (c) Blood Infection
 (d) Malaria.
7. The Indus Valley people lived in houses of :
 (a) mud and clay
 (b) stones
 (c) unbaked bricks
 (d) baked bricks.
8. The Allahabad Pillar was shifted from Kausambi to Allahabad by :
 (a) Akbar (b) Temur
 (c) Humayun (d) Jahangir.
9. Which is 'Garden City' of India :
 (a) Bangalore (b) Pune
 (c) Surat (d) Allahabad.
10. Bhangra is a dance of :
 (a) Punjab (b) Haryana
 (c) Kerala (d) Gujarat.
11. Konark Temple is famous for which god :
 (a) Shiva (b) Sun
 (c) Brahma (d) Vishnu.
12. Television in India was introduced in the year :
 (a) 1940 (b) 1949
 (c) 1959 (d) 1963.
13. Air Force Academy is located at :
 (a) Hyderabad (b) Bangalore
 (c) Jalandhar (d) Kolkata.
14. Gautam Gambhir has become the..... batsman in the world to score five consecutive test hundreds :
 (a) First (b) Second
 (c) Third (d) Fourth.
15. Sachin Tendulkar has completed.....runs in Test Cricket.
 (a) 12000 (b) 13000
 (c) 15000 (d) 17000.
16. ITC has signed up Bollywood actress.....and Cricketer Yuvraj Singh as brand ambassadors.
 (a) Katrina Kaif
 (b) Kareena Kapoor
 (c) Priyanka Chopra
 (d) Soha Ali Khan.
17. E.S. Lakshmi Narasimhan has been sworn in as the Governor of.....
 (a) Chhattisgarh (b) Karnataka
 (c) Kerala (d) Andhra Pradesh.
18. Tata Indicom announced its partnership with.....to launch high-speed data enable phone
 (a) LG (b) Nokia
 (c) Motorola (d) Samsung.

19. Shibu Soren has sworn in as.....of Jharkhand

- (a) Governor
- (b) Chief Minister
- (c) Deputy Secretary
- (d) Deputy Chief Minister.

20. Britain's first Sikh Judge.....has been awarded the prestigious Knighthood title :

- (a) Mota Singh
- (b) H.R. Khanna
- (c) H.S. Bedi
- (d) R.M. Lodha.

REASONING ABILITY

21. Find the word most opposite in meaning to SCOLD—

- (a) betray
- (b) vituperate
- (c) loyal
- (d) praise.

22. Find the antonym of UNCOUTH—

- (a) awkward
- (b) courteous
- (c) unfamiliar
- (d) crude.

23. If HOTEL is coded as 55, BORE would be coded using the same coding scheme as—

- (a) 40
- (b) 44
- (c) 36
- (d) 32.

24. If DEAR is coded as 7 and BEAR as 9, what will be the code for WAX—

- (a) 12
- (b) 16
- (c) 20
- (d) 24.

25. If CAR is 22, then SCOOTER is—

- (a) 44
- (b) 55
- (c) 59
- (d) 95.

26. If AROMA is coded as 24, GRAND as 22, then KWALITY will be coded as—

- (a) 30.5
- (b) 40.5
- (c) 50.5
- (d) 60.5.

27. If ROSE is coded as 6821, CHAIR is coded as 73456 and PREACH is coded as 961473, what will be the code for SEARCH—

- (a) 246173
- (b) 246272
- (c) 244774
- (d) 214673.

28. FRANCE is coded as 123456 and GERMANY as 7628346. 'FARMER' will be coded as—

- (a) 132862
- (b) 132762
- (c) 132662
- (d) 132562.

29. K is the mother of A. A is the sister of B. B is the sister-in-law of C. What is C to K—

- (a) son-in-law
- (b) daughter-in-law
- (c) son
- (d) daughter.

30. B is the wife of A. A is the brother of C. C is the uncle of D. What is D to B—

- (a) wife
- (b) son
- (c) daughter-in-law
- (d) sister.

31. Santosh is the brother of Dinesh. Dinesh is the brother of Paritosh. Paritosh is the husband of Rambeti. Jia Lal is the father of Santosh. What is Jia Lal to Rambeti—

- (a) brother
- (b) father
- (c) father-in-law
- (d) uncle.

32. A is the sister of B. B is the daughter of C. C is the daughter of D. What is D to A—

- (a) father
- (b) mother
- (c) brother
- (d) grandmother.

33. A is the father of B. B is the sister of C. C is the husband of D. What is D to A—

- (a) son-in-law
- (b) daughter-in-law
- (c) daughter
- (d) sister.

34. A and B are two children of Mrs. C. A is the brother of B. What is A to C—

- (a) daughter
- (b) son
- (c) brother
- (d) sister.

35. A is B's father, C is A's brother, D is A's father and E is B's sister. What relation is E to C :

- (a) aunt
- (b) niece
- (c) sister
- (d) daughter.

Directions : (Q. 36–40) : The following five questions are based on statements. Read them carefully and find the correct answer out of the alternatives given under each.

Madhu and Shivani are good in Dramatics and

Computer Science.

Asha and Madhu are good in Computer Science and Physics.

Asha, Pratibha and Namita are good in Physics and History.

Namita and Asha are good in Physics and Mathematics.

Pratibha and Shivani are good in History and Dramatics.

36. Who is good in Physics, History and Mathematics, but not in Computer Science—

- (a) Asha (b) Pratibha
(c) Madhu (d) Namita.

37. Who is good in Physics, History and Mathematics, but not in Computer Science—

- (a) Asha (b) Namita
(c) Madhu (d) Pratibha.

38. Who is good in Physics, History and Dramatics—

- (a) Madhu (b) Pratibha
(c) Shivani (d) Asha.

39. Who is good in Physics, Dramatics and Computer Science—

- (a) Pratibha (b) Shivani
(c) Madhu (d) Asha.

40. Who is good in Computer Science, History and Dramatics—

- (a) Asha (b) Madhu
(c) Namita (d) Shivani.

41. If $(40)^2 = 1600$, then $(45)^2$ will be equal to :

- (a) 5025 (b) 2250
(c) 2025 (d) 2520.

42. If $(12)^3 = 1728$, then $(15)^3$ will be equal to :

- (a) 3375 (b) 3575
(c) 7533 (d) 7535.

43. The L.C.M. of $3\frac{4}{7}$, $4\frac{1}{6}$, $6\frac{1}{4}$ is equal to :

- (a) 15 (b) 25
(c) 30 (d) 20.

44. The G.C.D. of $3\frac{4}{7}$, $4\frac{1}{6}$, $6\frac{1}{4}$ is equal to :

- (a) $\frac{26}{25}$ (b) $\frac{25}{26}$
(c) $\frac{84}{25}$ (d) $\frac{25}{84}$.

45. The H.C.F. of $\sqrt{21}$ and $\sqrt{70}$ is :

- (a) $\sqrt{7}$ (b) 7
(c) 5 (d) $\sqrt{3}$.

ENGLISH

Choose which is the correct Passive or Active Voice of the given sentences :

46. Darjeeling grows tea :

- (a) Tea grows in Darjeeling.
(b) Tea is grown in Darjeeling.
(c) Let the tea be grown in Darjeeling.
(d) Tea is being grown in Darjeeling.

Choose which is the correct indirect form of the sentences :

47. He said, "What a beautiful scene !" :

- (a) He said that what a beautiful scene it was.
(b) He wondered that it was a beautiful scene.
(c) He exclaimed what a beautiful scene it was.
(d) He exclaimed that it was a very beautiful scene.

Choose the correct meaning of each of the following idiom/expressions :

48. A fair crack of the whip :

- (a) Severe punishment
(b) A good check
(c) A period of importance
(d) Failure of administration.

Choose the one which correctly stands for each expression :

49. An animal story with a moral :

- (a) Fable
(b) Tale
(c) Anecdote
(d) Parable.

Choose the one which is nearest to the meaning of each word :

50. INVIDIOUS :

- (a) Weak (b) Unpopular
(c) Flourishing (d) Starving.

Choose the one which is opposite in meaning to each of the given words :

51. BENEVOLENCE :

- (a) Contempt (b) Malevolence
(c) Hatred (d) Derision.

52. Choose the correct spelling of the word in each case :

- (a) Sattellite (b) Satellite
(c) Sattelitel (d) Satelite.

53. Which of the following is correct ?

- (a) My pen is superior than Mohan.
(b) My pen is superior to Mohan.
(c) My pen is superior to Mohan's.
(d) My pen is superior than Mohan's pen.

Fill in the blanks with the correct word :

54. She could not muster.....courage to stand against the maltreatment :

- (a) to (b) up
(c) about (d) over.

55. Strangely her name did not occur.....me on the second meeting :

- (a) to (b) on
(c) about (d) at.

56. Tick the correct sentence :

- (a) Being a fine day, we went out for a picnic.
(b) Being at a fine day, we went for picnic.
(c) Fine day being, we went out for picnic.
(d) It being a fine day, we went out for a picnic.

57. Which of the following is correctly punctuated :

- (a) Where are the Songs of spring ? Ay, where are they ?
(b) Where are the songs of spring, Ay where are they ?
(c) Where are the songs of spring, ay where are they ?
(d) Where are the songs of spring ? Ay, where are they ?

Out of the four alternatives given below, Choose the one which is nearest to the meaning of each word :

58. GARNER :

- (a) Distribute (b) Decorate
(c) Preserve (d) Collect.

59. LETHARGY :

- (a) Laxity (b) Impassivity
(c) Serenity (d) Listlessness.

60. VERATE :

- (a) Scold (b) Judge
(c) Downgrade (d) Deny.

61. MORIBUND :

- (a) Stagnant (b) Gloomy
(c) Dying (d) Supefluous.

Out of the four alternatives given below, choose the one which is opposite in meaning to the each of the word :

62. MINOR :

- (a) Heavy (b) Tall
(c) Major (d) Big.

63. LUSCIOUS :

- (a) Dry (b) Sour
(c) Ugly (d) Stale.

64. AMELIORATE :

- (a) Lessen (b) Hasten
(c) Expedite (d) Worsen.

65. GORGEOUS :

- (a) Desperate (b) Plain
(c) Fashionable (d) Sumptuous.

NUMERICAL ABILITY

66. $\frac{1}{5}$ th of a number subtracted from $\frac{1}{4}$ th of the same number gives 15. The number is :

- (a) 275 (b) 350
(c) 325 (d) 300.

67. What is the sum of all prime numbers from 70 to 85 ?

- (a) 383 (b) 387
(c) 306 (d) 468.

68. A and B are two towns. A car goes from A to B at a speed of 64 km/hr and returns to A at a slower speed. If its average speed for the whole journey is 56 km/hr, it is returned with speed :
 (a) 52.54 km/hr
 (b) 47.74 km/hr
 (c) 49.78 km/hr
 (d) None of these.
69. A bicycle rider covers his onward journey from A to B at 10 km/hr and during the return journey from B to A, he covers the same distance at 8 km/hr. If he finishes the onward and return journey in $4\frac{1}{2}$ hours, then the total distance covered by him during the entire journey is :
 (a) 20 km
 (b) 40 km
 (c) 50 km
 (d) 60 km.
70. A train moves with a speed of 108 kmph. Its speed in metres per second is :
 (a) 38.8
 (b) 18
 (c) 30
 (d) 10.8.
71. A number is increased by 10% and then it is decreased by 10%. The net increase or decrease percent is :
 (a) no change
 (b) 1% increase
 (c) 1% decrease
 (d) 2% increase.
72. By selling a shirt for Rs. 630, a shopkeeper gains 5%. The cost price of shirt is :
 (a) Rs. 580
 (b) Rs. 600
 (c) Rs. 480
 (d) None of these.
73. By selling a cycle for Rs. 2400, a retailer loses 20%. If he sells it for Rs. 3600, what profit or loss would he have ?
 (a) Rs. 600
 (b) Rs. 800
 (c) Rs. 500
 (d) Rs. 480.
74. A sum of Rs. 12,500 amounts to Rs. 15,500 in 4 years at the rate of simple interest. What is the rate of interest ?
 (a) 3%
 (b) 4%
 (c) 5%
 (d) 6%.
75. What will be the difference between simple and compound interest @ 10% per annum on a sum of Rs. 1000 after 4 years ?
 (a) Rs. 31
 (b) Rs. 32.10
 (c) Rs. 40.40
 (d) Rs. 64.10.
76. The angles of a triangle are in the ratio 1 : 2 : 3. The largest angle is :
 (a) 60°
 (b) 90°
 (c) 120°
 (d) 150° .
77. Divide 1824 into three parts such that first part be double that of second part and the second part be $\frac{1}{3}$ of the third part. The second part is :
 (a) 304
 (b) 348
 (c) 608
 (d) 912.
- Study the table and answer the questions based on it.
- | State | % age of population below Poverty line | Proportion of Males and Female | |
|-------|----------------------------------------|--------------------------------|--------------------|
| | | Below Poverty Line | Above Poverty Line |
| | | M : F | M : F |
| P | 35 | 5 : 6 | 6 : 7 |
| Q | 25 | 3 : 5 | 4 : 5 |
| R | 25 | 1 : 2 | 2 : 3 |
| S | 19 | 3 : 2 | 4 : 3 |
| T | 15 | 5 : 3 | 3 : 2 |
78. If the male population above poverty line for state R is 1.9 million, then the total population of state R is :
 (a) 4.5 million
 (b) 4.85 million
 (c) 5.33 million
 (d) 6.25 million
 (e) 7.6 million.

79. What will be the male population above the poverty line for state P if the female population below the poverty line for state P is 2.1 million ?
 (a) 2.1 million
 (b) 2.3 million
 (c) 2.7 million
 (d) 3.3 million
 (e) 3.4 million.
80. If the population of water below poverty line for state Q is 2.4 million and that for state T is 6 million, then the total population of states Q and T are in ratio :
 (a) 1 : 3
 (b) 2 : 5
 (c) 3 : 7
 (d) 4 : 9.
81. In a mixture of 45 litres, the ratio of milk and water is 4 : 1. How much water must be added to make the mixture ratio 3 : 2 ?
 (a) 14 litres
 (b) 16 litres
 (c) 15 litres
 (d) 17 litres.
82. The speed of a boat in still water is 8 km/hr. If its speed downstream be 15 km/hr, then speed of the stream is :
 (a) 7.5 km/hr
 (b) 7 km/hr
 (c) 9 km/hr
 (d) 8 km/hr.
83. Two pipes can fill a tank in 20 minutes and 30 minutes respectively. If both the pipes are opened simultaneously, then the tank will be filled in :
 (a) 10 minutes
 (b) 12 minutes
 (c) 15 minutes
 (d) 25 minutes.
84. The ages of ram and shyam are in the ratio. 2 : 1. After five years, the ratio of their ages will be 3 : 2. Their present ages are :
 (a) 20 and 10
 (b) 10 and 5
 (c) 15 and 5
 (d) 40 and 20.
85. The average of first five prime numbers is :
 (a) 4.5
 (b) 5
 (c) 5.6
 (d) 7.5.
86. $\frac{1 + \tan^2 \theta}{1 + \cot \theta}$:
 (a) $\cot^2 \theta$
 (b) $\sin^2 \theta$
 (c) $\tan^2 \theta$
 (d) $\cot \theta$.
87. $\sqrt{\frac{1 + \sin A}{1 - \sin A}}$:
 (a) $\sec A + \tan A$
 (b) $\cos A + \tan A$
 (c) $\sin A + \cos A$
 (d) None of these.
88. A rope is stretched from the vertical pole of length 10m and tied at the ground. An artist is climbing to the top of the pole from the earth. If the angle made by the rope with ground level is 30° , then the distance covered by the artist in climbing to the top of the pole is :
 (a) 10m
 (b) 15m
 (c) 20m
 (d) 25m.
89. The angle of the elevation of the top of a hill at the foot of a tower is 60° and the angle of the elevation of the top of the tower from the foot of the hill is 30° . Its tower is 50m high, the height of the hill is :
 (a) 100m
 (b) 150m
 (c) 200m
 (d) 250m.
90. A metallic cuboid is of length, breadth and height 3m, 2m and 1.5 m. The volume and area of the metal used :
 (a) $9\text{m}^3, 27\text{m}^2$
 (b) $6\text{m}^3, 9\text{m}^2$
 (c) $12\text{m}^3, 16\text{m}^2$
 (d) None of these.

COMPUTER

91. A collection of four bits is called
 (a) Nibble
 (b) Byte
 (c) Word
 (d) Bit

92. The earliest calculating devices are
(a) Abacus
(b) Clock
(c) Difference engine
(d) None of these
93. John Von Neumann is credited with
(a) Developing the concept of the stored program
(b) design of analytical engine
(c) first invention of electronic computer
(d) none of the above
94. The firm to make microcomputer as a personal computer was
(a) Radio Shack
(b) IBM
(c) Microsoft
(d) Sperry Univac
95. Prior to 1924 IBM was known as
(a) tabulator machine Co.
(b) computer tabulating recording
(c) the tabulator ltd.
(d) international computer ltd.
96. The size of the database file is determined by
(a) length of fields and number of records
(b) length of fields only
(c) length of fields number of records and actual data in the file
(d) None of these
97. Floppy disk is an example of
(a) RAM
(b) ROM
(c) Auxiliary core memory
(d) None of the above
98. The main purpose of the system investigation phase is to produce
(a) a design report
(b) a feasibility report
(c) a requirement report
(d) none of the above
99. A turnkey package includes
(a) hardware
(b) training
(c) software
(d) all of the above
100. The microelectronic is the technology of
(a) Microcomputers
(b) Microwaves
(c) Chips
(d) Automatic processing