

## **BCA Entrance Mock Test –I**

**Time: 2 hrs.**

**Full Marks: 100**

**(Attempt all questions)**

### **Grammar (40X1=40)**

1. I live.....the park.  
a) by                      b) with                      c) over                      d) from
2. She did the exams ..... two sittings.  
a) at                      b) by                      c) from                      d) over
3. ....Chinese are hard working  
a) a                      b) an                      c) the                      d) None
4. The passive of: Who taught her such things? Is  
a) Who was she taught such things by?                      b) By whom she was taught such things?  
c) By whom was she taught such things?                      d) By whom is she taught such things?
5. Ten divided..... two is 5.  
a) at                      b) by                      c) in                      d) None
6. She is .....with sufferers.  
a) Sympathetic                      b) Sympthetic                      c) sympathics                      d) Sympthetic
7. The plural form of 'Lion' is  
a) Lion                      b) Lioness                      c) Leon                      d) lions
8. If bread is to yeast in the same way as curd is to  
a) Fungi                      b) Bacteria                      c) Yeast                      d) Algae
9. Had he had the time, he ..... the function  
a) Would attend                      b) attended                      c) had attended                      d) would have attended
10. The rain .... Before the lightening flashed  
a) Had already stopped                      b) already stopped  
c) Was stooping                      d) has already stopped
11. None is available.....?  
a) are they                      b) do they                      c) didn't they                      d) did they
12. We heard voices..... the hedge .  
a) at                      b) on                      c) in                      d) Over
13. He exchanged the cow .....the horse.  
a) By                      b) for                      c) about                      d) on
14. A mania for books  
a) bibliomania                      b) logomania                      c) kleptomania                      d) pyromania
15. Synonyms of "off"  
a) of                      b) on                      c) down                      d) false
16. The Scissors .....to blunt.  
a) is                      b) are                      c) were                      d) was
17. Either his brother or his sister ..... always there  
a) is                      b) are                      c) was                      d) be
18. She said to me "Let me go"  
a) She said to me let me go.                      b) She requested me to let me go.  
c) She requested me letting her go.                      d) Sherequested me to let her go.
19. 'Friend' is same as  
a) partner                      b) competitor                      c) foe                      d) associate
20. Listen to the birds .....  
a) sing                      b) singing                      c) to sing                      d) song
21. I bought this pen form the .....store  
a) Stationery                      b) Stationary                      c) Stationnary                      d) Stantianary
22. Don't ..... to anybody  
a) lie                      b) lay                      c) laid                      d) laed
23. This bed is not ..... for two people to sleeping  
a) as wide as                      b) wide enough                      c) wider enough                      d) quite wider
24. The fault in engine is..... this time then it was the last time.  
a) more serious                      b) serious                      c) very serious                      d) serious than
25. "To born the candle at both ends" means  
a) To born seriously.                      b) In very painful situation  
c) To work hard                      d) none of these
26. She .....English by next Friday  
a) will have studied                      b) studies                      c) will be studying                      d) will have studying
27. ARMY: LOGISTICS  
a) War :logic                      b) business: Strategy                      c) soldier: Student                      d) team: individual
28. Hurry up and use the fire .....the house is on fire  
a) extincer                      b) extinguisher                      c) extinguishing                      d) extinguish
29. She cannot play chess, .....can her sister.  
a) nor                      b) neither                      c) with                      d) either
30. Red handed means:  
a) quickly                      b) caught in the act  
c) caught with dirty hands                      d) caught with his hands tied
31. I am in a state of dilemma. That means I am .....  
a) dazzled                      b) tired                      c) puzzled                      d) not sure
32. Cholera broke .....in Jajarkot ten year ago  
a) out                      b) down                      c) up                      d) into
33. You like apples and so.....  
a) I do                      b) I like                      c) do I                      d) did I
34. The synonym of "Emulate"  
a) imitate                      b) deny                      c) question                      d) discuss
35. If you teased the day. It ..... bite you.  
a) will                      b) would                      c) did                      d) sky
36. Ram sold his plot of land in the village so that he..... Buy a new house in city.



71. If  $x$  is an integer, then which of the following is the production of the next two integer than  $2(x+1)$ ?  
 a)  $4x^2 + 14x + 12$       b)  $4x^2 + 12$       c)  $x^2 + 14x + 12$       d)  $x^2 + x + 12$
72. The value of  $\sum_{n=1}^{10} (-1)^n$  is  
 a) 1      b) -1      c) 10      d) 0
73. If a matrix is of order  $5 \times 7$ , then each row will contain ..... elements  
 a) 5      b) 12      c) 35      d) 7
74.  $\log_a 81 = 4$ , then the values of 'a' is  
 a) 4      b) 3      c) 5      d) none of these
75. If A.M of  $x$  and  $y$  is 10 and G.M of there is 8. What is the value of  $x$  and  $y$ ?  
 a) 16, 4      b) 15, 5      c) 14, 6      d) 12, 8
76. If the ratio of  $\frac{1}{4}$  to  $\frac{1}{5}$  is equation to the ratio of  $\frac{1}{4}$  to  $x$ . then what is the value of  $x$ ?  
 a)  $\frac{1}{20}$       b)  $\frac{5}{16}$       c)  $\frac{1}{5}$       d)  $\frac{5}{4}$
77. Modulus of 'i' is  
 a) i      b) -i      c) 1      d) -1
78. A vendor bought bananas at 6 for a rupee. How many for a rupee must has sell to gain 20 %?  
 a) 3      b) 4      c) 5      d) 6
79. The slop of the line  $\frac{x}{a} + \frac{y}{b} = 3$  is  
 a)  $-\left(\frac{1}{b}\right)$       b)  $-\left(\frac{b}{a}\right)$       c) ab      d)  $-\frac{1}{ab}$
80. Sum of first 'n' odd natural number is  
 a)  $n(n+1)$       b)  $n^2$       c)  $\frac{n(n+1)(2n+1)}{6}$       d)  $\frac{n(n+1)}{2}$
81. If 'n+1' is even , then 'n+13' is  
 a) even      b) odd      c) neither a and b      d) none
82. The value of  $\cos^{-1} \theta + \sin^{-1} \theta$  is  
 a)  $\theta$       b)  $\pi\theta$       c)  $\pi$       d)  $\frac{\pi}{2}$
83. if  $A = \{1, 2, 3\}$  then non- empty proper subset are  
 a) 8      b) 7      c) 6      d) 5
84. For a function to be inverse, it must be .....  
 a) Injective      b) bijective      c) Surjective      d) function only
85.  $ax^2 + 2hxy + by^2 = 0$  represents  
 a) a pair of lines      b) a pair of lines passing through origin  
 c) a line only      d) None of these
86.  $4x + 2y + 3 = 0$  and  $8x + 4y + 6 = 0$  are  
 a) Perpendicular lines      b) equal lines      c) parallel lines      d) parallel and equal
87. Which one of is correct.  
 a) Perpendicular lines have same slope      b) Parallel lines have same slope  
 c) Parallel and perpendicular lines have slope      d) none of there
88.  $\lim_{x \rightarrow 2} \frac{x^2 - 4}{x - 2}$   
 a) 0      b) 2      c) 3      d) 4
89. Inverse of matrix exists if matrix is  
 a) Singular      b) Invertible      c) unit      d) None of these
90. The ratio of largest 2 digit number to largest digit number is  
 a) 1      b) 10      c) 11      d) 0

**General Knowledge (10X1=10)**

91. Who propounded the atomic theory?  
a) Newton                      b) Joseph Addison                      c) John Dalton                      d) Henry Mosey
92. When was first operating system introduced?  
a) 1930                      b) 1950                      c) 1970                      d) 1990
93. Which is the longest day on the earth?  
a) June 21                      b) March 22                      c) January 21                      d) August 21
94. How many districts are there in the Terai region?  
a) 10                      b) 20                      c) 27                      d) 30
95. Who is popular as “LauhaPurush” (Iron man) of Nepal?  
a) Prithvi Narayan shah                      b) Junga Bahadur Rana  
c) Ganesh Man Sing                      d) Khila Raj Regmi
96. What is the weight of FIFA cup?  
a) 5kg                      b) 6kg                      c) 7 kg                      d) 8kg
97. Which river is known as sorrow of Bihar?  
a) Gandaki                      b) Mahakali                      c) Karnali                      d) Koshi
98. How old was Jung Bahadur when he became the prime minster of Nepal?  
a) 28                      b) 29                      c) 30                      d) 31
99. How many state member are there in the UNO?  
a) 190                      b) 191                      c) 192                      d) 193
100. Who is known as the father of genetics?  
a) Friederich Franz                      b) Christian Doppler  
c) Johann Karl Nestler                      d) Gregor Johann Mendal

**---Best of Luck---**

