

**DRONACHARYA PG COLLEGE OF EDUCATION**  
**UTTKRISTH SCHOLARSHIP CUM ADMISSION TEST – 2022**

**BCA/BBA Dept.**

**Time duration: -1:30 hrs.**

**Note: - There will be four sections, each with 25 marks. The exam will not have any kind of negative marking.**

**SECTION – A**

**(HP GK AND CURRENT AFFAIRS)**

**Q1. Where will be the first Flying school for drone training be set up in the Himachal Pradesh?**

- a) Palampur
- b) Bir Billing
- c) Shahpur
- d) Nagrota Bagwan

**Q2. National ICE Hockey Championship in men's category recently held at?**

- a) Keylong
- b) Kaza
- c) Peo
- d) Udaipur

**Q3. When we observe "Red cross day"?**

- a) 4 April
- b) 8 May
- c) 10 July
- d) 13 September

**Q4. Which of the following country is known as the "Land of Rising Sun"?**

- a) Norway
- b) Japan
- c) India
- d) Germany

**Q5. "Onam" is the famous festival of which state?**

- a) Assam
- b) Odisha
- c) Andhra Pradesh
- d) Kerala

**Q6. Who was the viceroy at the time of "Quit India Movement"?**

- a) Lord Mountbatten
- b) Lord Wavell

- c) Lord Linlithgow
- d) Lord Irwin

**Q7. There are how many High court in India?**

- a) 25
- b) 27
- c) 22
- d) 24

**Q8. Which constitutional Amendment is known as the "Mini Constitution"?**

- a) 36<sup>th</sup>
- b) 42<sup>nd</sup>
- c) 46<sup>th</sup>
- d) 56<sup>th</sup>

**Q9. Where will the world's third largest cricket stadium be built?**

- a) Jaipur (India)
- b) Indore (India)
- c) Durban (South Africa)
- d) Melbourne (Australia)

**Q10. Who has been appointed as the new chairman of ISRO?**

- a) Dr. Timothy Krishnamurthy
- b) Dr. Satheesh Reddy
- c) Dr.S.Somnath
- d) Dr. Arun Rao

**Q11. Who became the first Indian pilot to fly Rafale aircraft?**

- a) Hilal Ahmed
- b) Sukhbir Singh
- c) Ramesh Sindhi
- d) Anurag Kashyap

**Q12. Rani stream is located in which district of H.P**

- a) Kullu
- b) Mandi

- c) Chamba
- d) Kangra

Q13. Which lakes in HP is as group of Seven lakes?

- a) Ghadasaru lake
- b) Lama – Dal Lake
- c) Renuka Lake
- d) Chandra lake

Q14. Recently, who became the 1<sup>st</sup> British Climber to make the most 'Mt. Everest Summits' – 16 times?

- a) Kenton cool
- b) Noah Wilson
- c) Oliver Smith
- d) George Taylor

Q15. Recently, which country has won “Thomas Cup” 2022?

- a) India
- b) Australia
- c) England
- d) Newzeland

Q16. Which of the following is the largest lagoon in India?

- a) Vembanad lagoon
- b) Chilika lagoon
- c) Pulicat lagoon
- d) Kolleru

Q17. Name the place where Satluj enters into Shimla from Kinnaur?

- a) Chauhra
- b) Namgla
- c) Tandi
- d) Shashmi

Q18. Swan river flows throughs which of the following district of Himachal Pradesh?

- a) Bilaspur
- b) Hamirpur
- c) Kangra
- d) Una

Q19. In which stated the Sardar Sarovar Dam has been constituted on Narmada River?

- a) Tamil Nadu
- b) Gujarat
- c) Himachal Pradesh
- d) Kerala

Q20. Pong Dam of Himachal Pradesh has been constructed on which river?

- a) Beas river
- b) Tapi river
- c) Gola river
- d) Satluj river

Q21. Shilla peak is located in which mountain range of HP?

- a) Shiwalik
- b) Zaskar
- c) Dhauladhar
- d) Pir Panjal

Q22. HP Board of school education was established in which year?

- a) 1969 A.D
- b) 1971 A.D
- c) 1979 A.D
- d) 1983 A.D

Q23. The capital of Lakshadweep is

- a) Port Blair
- b) Silvassa
- c) Aizwal
- d) Kavaratti

Q24. Recently who has been Honored with YOUNG SCIENTIST AWARD 2021 in Australia?

- a) Manushi thakur
- b) Ankita sharma
- c) Ojaswi Rana
- d) Kumari Anupriya

Q25. Which of the following countries have an Unwritten Constitution?

- a) U.S
- b) U.K
- c) Pakistan
- d) India

**SECTION – B**  
**(NUMERICAL ABILITY)**

1. Find the highest common factor of 36 and 84.
- A. 4
- B. 6
- C. 12
- D. 18
2. Which of the following fraction is the largest?
- A.  $\frac{7}{8}$
- B.  $\frac{13}{16}$
- C.  $\frac{31}{40}$
- D.  $\frac{63}{80}$
3. Alfred buys an old scooter for Rs. 4700 and spends Rs. 800 on its repairs. If he sells the scooter for Rs. 5800, his gain percent is:
- A.  $4\frac{4}{7}\%$
- B.  $5\frac{5}{11}\%$
- C. 10%
- D. 12%
4. A man buys a cycle for Rs. 1400 and sells it at a loss of 15%. What is the selling price of the cycle?
- A. Rs. 1090
- B. Rs. 1160
- C. Rs. 1190
- D. Rs. 1202
5. Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is:
- A. 2 : 5
- B. 3 : 5
- C. 4 : 5
- D. 6 : 7
6. A bag contains 2 red, 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue?
- A.  $\frac{10}{21}$
- B.  $\frac{11}{21}$
- C.  $\frac{2}{7}$
- D.  $\frac{5}{7}$
7. In a box, there are 8 red, 7 blue and 6 green balls. One ball is picked up randomly. What is the probability that it is neither red nor green?

A.  $\frac{1}{3}$

B.  $\frac{3}{4}$

C.  $\frac{7}{19}$

D.  $\frac{8}{21}$

8. If  $a - b = 3$  and  $a^2 + b^2 = 29$ , find the value of  $ab$ .

A. 10

B. 12

C. 15

D. 18

9. A can finish a work in 18 days and B can do the same work in 15 days. B worked for 10 days and left the job. In how many days, A alone can finish the remaining work?

A. 5

B.  $5\frac{1}{2}$

C. 6

D. 8

10. What will be the compound interest on a sum of Rs. 25,000 after 3 years at the rate of 12%.p.a.?

A. Rs. 9000.30

B. Rs. 9720

C. Rs. 10123.20

D. Rs. 10483.20

E. None of these

11. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?

A. 3.6

B. 7.2

C. 8.4

D. 10

12. If one zero of the quadratic polynomial  $x^2 + 3x + k$  is 2, then the value of  $k$  is

(a) 10

(b) -10

(c) 5

(d) -5

13. A quadratic polynomial, whose zeroes are -4 and -5, is

(a)  $x^2 - 9x + 20$

(b)  $x^2 + 9x + 20$

(c)  $x^2 - 9x - 20$

(d)  $x^2 + 9x - 20$

14. The 10<sup>th</sup> term from the end of the A.P. -5, -10, -15, ..., -1000 is

(a) -955

(b) -945

(c) -950

(d) -965

15. The sum of first  $n$  odd natural numbers is

(a)  $2n^2$

(b)  $2n + 1$

(c)  $2n - 1$

(d)  $n^2$

16. In a square of side 10 cm, its diagonal = ...

(a) 15 cm

(b)  $10\sqrt{2}$  cm

- (c) 20 cm
- (d) 12 cm

17. In a rhombus if  $d_1 = 16$  cm,  $d_2 = 12$  cm, then the length of the side of the rhombus is

- (a) 8 cm
- (b) 9 cm
- (c) 10 cm
- (d) 12 cm

18. The distance between the point P(1, 4) and Q(4, 0) is

- (a) 4
- (b) 5
- (c) 6
- (d)  $3\sqrt{3}$

19. The function  $f : A \rightarrow B$  defined by  $f(x) = 4x + 7$ ,  $x \in R$  is

- (a) one-one
- (b) Many-one
- (c) Odd
- (d) Even

20. The function  $f : R \rightarrow R$  defined by  $f(x) = 3 - 4x$  is

- (a) Onto
- (b) Not onto
- (c) None one-one
- (d) None of these

21. Some six years ago, the ratio of the ages of Khan and Suhail was 6:5. Four years from today, the ratio of their ages will be 11:10. Then Suhail must be

\_\_\_\_\_ years old.

- A) 18 years
- B) 12 years
- C) 19 years
- D) 16 years

22. Today the ratio of the ages of Desai and Shinde is 4:3. Six years hence, Desai's age will be 26 years. How old is Shinde today?

- A) 10 years      B) 15 years      C) 20 years
- D) 25 years

23. 32, 40, 24, 16, 24, \_\_

- A) 60      B) 12      C) 18      D) 8

24. \_\_, 12, 18, 10, 6, 14, 5, 0, 10

- A) 14      B) 15      C) 16      D) 88

25. The average of three numbers is 77. The first number is twice the second and the second number is twice the third. Find the first number.

- a. 33
- b. 66
- c. 77
- d. 132

## SECTION – C

### (ENGLISH)

1. He and she..... watching a movie now.
  - a) do
  - b) is
  - c) are
  - d) were
2. He didn't wait even .....minutes but started a lecture.
  - a) Few
  - b) A few
  - c) Little
  - d) A little
3. He divided his property.....his two sons.
  - a) Among
  - b) In
  - c) Between
  - d) In
4. He has many .....,
  - a) Male friends
  - b) Males' friends
  - c) Male's friend
  - d) Male's friend
5. He is very weak. He... ..more.
  - a) Can walk
  - b) Cannot walk
  - c) Can be not walked
  - d) Can't
6. Idiom Maiden speech means.....
  - a) Last speech
  - b) Second speech
  - c) First speech
  - d) Chief Guest speech
7. He remind us ..... Paul Walker.
  - a) About
  - b) Of
  - c) For
  - d) With
8. How .....you.....this puzzle?
  - a) Can, solved
  - b) Can, be solved
  - c) Do, solved
  - d) Can, solve
9. How many friends .....he.....?
  - a) do have
  - b) does have
  - c) does has
  - d) are has
10. How many kites ..... in the sky now ?
  - a) Are fly
  - b) Flying
  - c) Are flying
  - d) Have
11. I always..... a pen.
  - a) Am
  - b) Is
  - c) Have
  - d) Do
12. I .....English now.
  - a) Can speak
  - b) Can be speak
  - c) Can speaking
  - d) Am speak
13. I .....English online since July,2019
  - a) Am teaching
  - b) Have taught
  - c) Have been teaching
  - d) Teaching
14. I am also your friend would you invite me.....your birthday celebration?
  - a) On
  - b) Over
  - c) In
  - d) For
15. I am in .....hostel now.
  - a) boy's
  - b) boys
  - c) boys's
  - d) boys'
16. I had to walk 5km yesterday as I had .....rupees for fare.
  - a) few
  - b) a few
  - c) little
  - d) a little
17. I have yet .....options to solve this question. I never lose hope
  - a) Few
  - b) A few
  - c) Little
  - d) A little
18. I would not allow you to enter.....showing me a pass.
  - a) Without

- b) For
  - c) About
  - d) Before
19. I.....you yesterday.
- a) Was met
  - b) Did met
  - c) Meted
  - d) Met
20. If Bianca hadn't argued, Raghu Bhai .....the case.
- a) Lost
  - b) Had lost
  - c) Would lose
  - d) Would have lost
21. If I .... A lot of money, I wouldn't work anymore.
- a) Were
  - b) Have
  - c) Had
  - d) Has
22. Pick the correct spellings.
- a) Recept
  - b) Receppt
  - c) Receipt
  - d) Receipt
23. In olden days, doves ..... messages.
- a) Take
  - b) Took
  - c) Taken
  - d) Had took
24. Kishan sir is very much fond.....teaching English.
- a) Between
  - b) From
  - c) Of
  - d) For
25. Raman .....100 books to South Africa yesterday
- a) Was sent
  - b) Were sent
  - c) Sented
  - d) Sent

**SECTION - D**

**(REASONING)**

1. Cup is to coffee as bowl is to
- a) Dish
  - b) Soup
  - c) Spoon
  - d) Food
2. Tanya is older than Eric.

Cliff is older than Tanya

Eric is older than Cliff.

If the first two statements are true, the third statement

- A. True
- B. False
- C. Uncertain

3. Pointing to a photograph, a man said, "I have no brother or sister but that man's father is my father's son. Whose photograph, was it?"

- a) His own
- b) His Son
- c) His father
- d) His Grandfather

4. If in a certain language, MADRAS is coded as NBESBT, how is BOMBAY coded in that code?

- A. CPNCBX
- B. CPNCBZ
- C. CPOCBZ
- D. CQOCBZ

5. A, B, C, D, E, and F are sitting in a row. E and F are in the center. A and B are at the ends. C is sitting to the left of A. Who is to the right of B?

- a) D
- b) C
- c) A
- d) F

6. Find the missing element in the series given below:

ABD EFH IJL MNP QRT?

- A. ZXA
- B. WXY
- C. XYZ
- D. UVX

7. Statements: Some dogs are rats. All cats are chairs. All rats are cats.

Conclusion:

I: Some dogs are cats

II: All cats are rats

III: All chairs are dogs

IV: All cats are dogs

- a) Only I & II follow
- b) Only II follow
- c) Only I & IV follow
- d) None of these

8. Pick the odd man out?

- a) Just
- b) Fair
- c) Equitable
- d) Biased

9. CUP: LIP: BIRD:

- a) Grass
- b) Forest
- c) Beak
- d) Bush

10. Safe: Secure :: Protect:

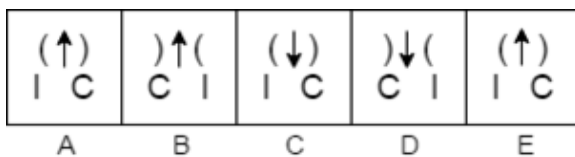
- a) Lock
- b) Guard
- c) Sure
- d) Conserve

11. Peter is in the East of Tom and Tom is in the North of John. Mike is in the South of John then in which direction of Peter is Mike?

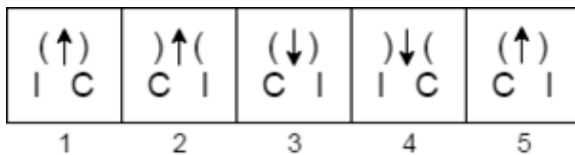
- a) South-East
- b) South-West
- c) South
- d) North-East

12. Which answer figure will continue the same series as established by the problem figures?

Problem figures;



Answer figure



A.1

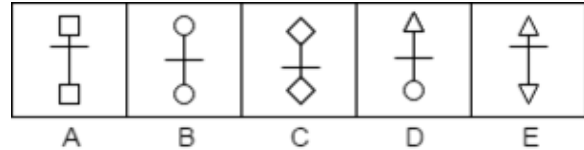
B.2

C.3

D.4

E.5

13. Which of the following figures is different from others?



A. figure A

B. figure B

C. figure C

D. figure D

E. figure E

14. In a code language if POSE is coded as OQNPRTDF, then the word TYPE will be coded as

- A. SUXZOQFD
- B. SUXZQOFD
- C. SUXZOQDF
- D. SUXZQODE

15. Find the missing element in the series given below:

ACE, ?, MOQ, SUW

- A. EFH
- B. GIL
- C. GIK
- D. GIM

16. In a family, there are husband-wife, two sons and two daughters. All the ladies were invited to a dinner. Both sons went out to play. Husband did not return from the office. Who was at home?

- A. Only wife was at home
- B. Nobody was at home
- C. Only sons were at home
- D. All ladies were at home



17. I am facing East. Turning to the right I go 20 m, then turning to the left I go 20 m and turning to the right I go 20 m, then again turning to the right I go 40 m and then again I go 40 m to the right. In which direction am I from my original position?

- A. North
- B. West
- C. South
- D. East

18. Look at this series: 36, 34, 30, 28, 24, ... What number should come next?

- A. 22
- B. 26
- C. 23
- D. 20

19. Which word does NOT belong with the others?

- A. index
- B. glossary
- C. chapter
- D. book

20. Melt : Liquid :: Freeze :

- A. Ice
- B. Solid
- C. Condense
- D. Push

21. SCD, TEF, UGH, \_\_\_\_\_, WKL

- A. CMN
- B. UJI
- C. VIJ
- D. IJT

22. PETAL: FLOWER

- A. Pen: Paper

B. Engine: Car

C. Cat: Dog

D. Ball: Game

23. Which word does not belong to others?

A. Inch

B. Kilogram

C. Centimeter

D. Yard

24. Look at this series: 7, 10, 8, 11, 9, 12, ... What number should come next?

A. 7

B. 10

C. 12

D. 13

25. 127, 131, 139, ?, 151, 157, 163, 167,

(A) 149

(B) 147

(C) 141

(D) 143

