



# Sangola College, Sangola

Department of Computer Science and Application

(Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur)



## B.C.A. SANG – CÉT 2022

Exam Seat No.

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OMR Sheet No.

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Exam Seat No. ....

(In words)

Signature and Name of the Supervisor

1. (Signature) .....

(Name) .....

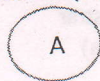
Day and Date: Tuesday 05/07/2022

Time: 02:00 PM to 03:00 PM

Maximum Marks: 100

### General Instructions:

1. Write your Seat No. and OMR Sheet No. in the space provided on the top of this page.
2. Section I- English
3. Section II- General Knowledge
4. Section III- Basic Aptitude
5. Choice and sequence for attempting questions will be as per the convenience of the candidate
6. Read each question carefully
7. Each question with correct response shall be awarded two (2) marks. There shall be no negative marking.
8. Each question has four alternative responses marked (A), (B), (C) and (D). You have to darken the circle as indicated below on the correct response against each item at given OMR sheet.  
Example : where (C) is the correct response.



9. Your responses to the items are to be indicated in the given OMR Sheet. If you mark at any place other than in the circle in the OMR Sheet, it will not be evaluated.
10. Duration of paper is 1 hour.
11. Use blue ink ball pen only



### Section – I English

Read the following passage and answer the following questions

What needs to be set right is our approach to work. It is a common sight in our country of employees reporting for duty on time and at the same time doing little work. If an assessment is made of time they spent in gossiping, drinking tea, eating "pan" and smoking cigarettes, it will be shocking to know that the time devoted to actual work is negligible. The problem is the standard which the leadership in administration sets for the staff. Forget the ministers because they mix politics and administration. What do top bureaucrats do? What do the below down officials do? The administration set up remains weak mainly because the employees do not have the right example to follow and they are more concerned about being in the good books of the bosses than doing work.

1. The employees in our country
  - ☒ A) are quite punctual but not duty conscious
  - B) are not punctual, but somehow manage to complete their work
  - C) are somewhat lazy but good natured
  - D) are not very highly qualified
2. According to the writer, the administration in India
  - A) is by and large effective
  - B) is very strict and firm
  - C) is affected by red tape
  - ☒ D) is more or less ineffective
3. The word 'assessment' means
  - A) enquiry
  - B) report
  - ☒ C) evaluation
  - D) summary
4. The leadership in administration
  - A) sets a fine example to the employees
  - B) is composed of idealists
  - C) is of a reasonably high standard
  - ☒ D) is of a very poor standard
5. The central idea of passage could be best expressed by the following
  - A) The employee outlook towards work is justified
  - ☒ B) The employee must change their outlook towards work
  - C) The employees would never change their work culture
  - D) The employer-employee relationship is far from healthy.

In the following the questions choose the word which best expresses the meaning of the given word.

6. KEN
  - A) Ignorance
  - B) Witness
  - C) Trial
  - ☒ D) Knowledge

7. AWAKENED
  - A) Enlightened
  - B) Realised
  - C) Shook
  - ☒ D) Waken

Find the correctly spelt words

8. (solve as per the direction given above)
  - A) Pessenger
  - ☒ B) Passenger
  - C) Pasanger
  - D) Pesanger

9. (solve as per the direction given above)
  - A) Velnerable
  - B) Vulnarable
  - ☒ C) Vulnerable
  - D) Valnerable

Pick out the most effective word(s) from the given words to fill in the blank to make the sentence meaningfully complete.



10. If our friends are not able to take us in their car, we must make .....  
arrangements to go to the airport.

- ☒ A) alternative      B) another      C) alternate      D) possible

11. Many ..... decisions were taken at the meeting.

- A) hectic      ☒ B) historic      C) historical      D) histrionic

In each question below, there is a sentence of which some parts have been jumbled up.  
Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence.  
Choose the proper sequence.

12. He was so kind and generous that

P :he not only

Q :made others do so

R :but also

S :helped them himself

The Proper sequence should be:

- ☒ A)PSRQ      B)SPQR      C)PRSQ      D)QPRS

13. It is very easy

P :a great deal more than one realises

Q :may mean

R :that a phrase that one does not quite understand

S :to persuade oneself

The Proper sequence should be:

- A)RSQP      ☒ B)SPQR      C)SRQP      D)RQPS

In the following questions choose the word which is the exact **OPPOSITE** of the given words.

14. FAMILIAR

A) Unpleasant

B) Dangerous

C) Friendly

☒ D) Strange

15. CONFESS

☒ A) Deny

B) Refuse

C) Contest

D) Contend

### Section -II General Knowledge

16. Which of the following country won the T 20 cricket World Cup most of the times ?

A) India

☒ B) West Indies

C) England

D) Sri Lanka

17. Which of the following CM completed his full 5 years term?

A) Sharad Pawar

B) Manohar Joshi

C) Pruthviraj Chavan

☒ D) Devendra Fadanvis

18. EWS Stands for..

A) Economically Weeker Section

☒ B) Economically Weaker Section

C) Economically Weeker Segment

D) Economically Weaker Segment

19. Film and TV institute of India is located at

☒ A) Pune (Maharashtra)

B) Rajkot (Gujarat)

C) Hyderabad (Telangana)

D) Mumbai (Maharashtra)

20. In which year Chatrapati Shivaji Maharaj Born?

A) 1674

☒ B) 1630

C) 1650

D) 1628



21. Who is the current Agriculture Minister of India?  
☒ A) Narendra Singh Tomar  
 B) Narendra Singh Chaurasia  
 C) Bhupendra Singh Tomar  
 D) None of these
22. CAA Stands for ....  
 A) Central Amendment Act  
☒ B) Citizenship Amendment Act  
 C) Charter Amendment Act  
 D) Character Amendment Act
23. Who is the first Indian woman to win an Asian Games gold in 400m run?  
 A) M.L.Valsamma  
 B) P.T.Usha  
☒ C) Kamaljit Sandhu  
 D) K.Malleswari
24. Abhinav Bindra is related to which of the following game?  
 A) Swimming  
 B) Weight Lifting  
 C) Archery  
☒ D) Shooting
25. The Indian to beat the computers in mathematical wizardry is  
 A) Ramanujam  
 B) Rina Panigrahi  
☒ C) Raja Ramanna  
 D) Shakunthala Devi
26. Which bank ties up with Amazon Pay to offer UPI Payment Services?  
 A) ICICI Bank  
 B) HDFC Bank  
☒ C) RBL Bank  
 D) Axis Bank
27. January 15 is celebrated as the  
 A) Republic Day  
 B) Ugadhi  
 C) Teachers' Day  
☒ D) Army Day
28. India Celebrates February 28 every year as 'National Science Day' because  
 on this day  
 A) first Indian Space craft was launched  
 B) Nehru laid the foundation of Science labs all over India  
☒ C) in 1928 C.V. Raman discovered what was later called the 'Raman Effect'  
 D) Vikram Sarabhai was born
29. Rabindranath Tagore's 'Jana Gana Mana' has been adopted as India's  
 National Anthem. How many stanzas of the said song were adopted?  
☒ A) Only the first stanza  
 B) The whole song  
 C) Third and Fourth stanza  
☒ D) First and Second stanza
30. Which of the following is used in pencils?  
☒ A) Graphite  
 B) Silicon  
 C) Charcoal  
 D) Phosphorous

### Section - III Basic Aptitude

31. A number when multiplied by 21 is increased by 420. Find the number \_\_\_\_\_  
 A) 19  
 B) 20  
☒ C) 21  
 D) 22
32.  $\frac{1}{4} + \frac{5}{6} = \text{-----}$   
 A)  $\frac{3}{5}$   
 B)  $\frac{5}{24}$   
☒ C)  $\frac{13}{12}$   
 D)  $\frac{15}{6}$
33. Which of the following fraction is smallest?  
 A)  $\frac{5}{8}$   
 B)  $\frac{7}{10}$   
 C)  $\frac{3}{4}$   
☒ D)  $\frac{9}{16}$
34. LCM of 25, 30 and 45 is \_\_\_\_\_  
 A) 5  
☒ B) 450  
 C) 900  
 D) 2250



35.  $\frac{9 \times 16 - 9}{6 \times 11 - 6} = \underline{\hspace{2cm}}$

A)  $\frac{1}{5}$

B)  $\frac{1}{4}$

C)  $\frac{3}{2}$

☒ D)  $\frac{9}{4}$

36.  $2^5 \times 3^5 =$

A)  $5^5$

☒ B)  $6^5$

C)  $5^{10}$

D)  $6^{10}$

37. If 5 times a number A is equal to 3 times of number B ; then ratio of two numbers A and B is  $\underline{\hspace{2cm}}$

A) 5:3

B) 4:5

☒ C) 3:5

D) 2:3

38. 20 is divided in to 2 parts such that 6 times of first part added to 4 times of second part gives 104. Find the first part.

A) 8

B) 10

C) 11

☒ D) 12

39. A's age is 50 years and B's age is 18 years. In how many years. A is twice old as that of B?

A) 15 years

☒ B) 14 years

C) 12 years

D) 18 years

40. If 20% of a number is equal to 25% of the another number then the ratio of the two numbers is  $\underline{\hspace{2cm}}$

A) 4:5

☒ B) 5:4

C) 3:4

D) 4:3

41. If A's salary is 25% more than B's salary, then how much percent is B's salary less than A's salary.

A) 25%

B) 30%

C) 33.33%

☒ D) 20%

42. A man brought an article for Rs. 27. What is market price of an article of the article is sold at 10% discount?

☒ A) Rs. 30

B) Rs. 20

C) Rs 15.60

D) Rs 90

43. A man gain 10% by selling an article for certain price. What is percent loss or profit if the article is sold for half of the price?

☒ A) 45% loss

B) 5% loss

C) 5% profit

D) 55% profit

44. The average of 5 successive numbers is 23. find the smallest number.

☒ A) 21

B) 22

C) 20

D) 25

45. A certain sum of money of a certain rate of simple interest becomes double in 10 years. It will become 3 times in  $\underline{\hspace{2cm}}$

☒ A) 20 years

B) 15 years

C) 10 years

D) 17.5 years

46. If compound interest on certain sum for 2 years at 10% p.a. is Rs 315. What was the sum lent.

☒ A) Rs 1500

B) Rs 1800

C) Rs 2000

D) Rs 2200

47. A can do a piece of work in 15 days. B can do it in 10 days. Working together in how many days required to finish the work?

A) 4 days

B) 5 days

☒ C) 6 days

D) 7.5 days

48) Time taken by a 100 meter long train to cross a platform of 400 meter in length. If train is running at 90 km/h. is  $\underline{\hspace{2cm}}$

A) 12.5 second

B) 15 second

☒ C) 20 second

D) 25 second

49)  $\frac{\sqrt{27} + \sqrt{3}}{\sqrt{27} - \sqrt{3}} = \underline{\hspace{2cm}}$

A) 1

☒ B) 2

C) 3

D)  $\sqrt{3}$

50) No. of 3 digits numbers to be formed using the digits 2, 4, 6, 8, of repetition of digits is allowed is  $\underline{\hspace{2cm}}$

☒ A) 64

B) 25

C) 125

D) 27