

# SET-“Y”

(Total No. of Printed Pages : 16)

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU ARE ASKED TO DO SO)

(BCA-EE-June, 2023)

Code

**A**

**BACHELOR OF  
COMPUTER APPLICATION**

Sr. No. 11065

Time : 1¼ Hours

Total Questions : 100

Max. Marks : 100

Roll No. \_\_\_\_\_ (in figure) \_\_\_\_\_ (in words)

Name : \_\_\_\_\_ Date of Birth : \_\_\_\_\_

Father's Name : \_\_\_\_\_ Mother's Name : \_\_\_\_\_

Date of Examination : \_\_\_\_\_

(Signature of the candidate)

(Signature of the Invigilator)

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1.	Recently which country successfully test-fired the supersonic cruise missile BrahMos ? (1) India (2) Nepal (3) Pakistan (4) Bangladesh
2.	Which gas is used in the refrigerator ? (1) Oxygen (2) Nitrogen (3) Carbon (4) Freon
3.	Which one is the largest ocean in the world ? (1) Atlantic Ocean (2) Indian Ocean (3) Pacific Ocean (4) Arctic Ocean
4.	Who discovered penicillin ? (1) Alexander Fleming (2) Albert Einstein (3) Isaac Newton (4) Thomas Edison
5.	Which planet is known as the "Red Planet" ? (1) Venus (2) Mars (3) Jupiter (4) Saturn
6.	Who is the discoverer of electrons ? (1) J. J. Thomson (2) Kalam Azad (3) J. Thomas (4) Darwin
7.	Who is the current Prime Minister of the United Kingdom ? (1) Rishi Sunak (2) Angela Merkel (3) Justin Trudeau (4) Boris Johnson



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8.	Apart from the national anthem of India, Rabindranath Tagore wrote the national anthem of which one other country ? (1) China (2) Pakistan (3) Sri Lanka (4) Bangladesh
9.	When did Nagaland become a formal state of India ? (1) 1963 (2) 1964 (3) 1965 (4) 1969
10.	When was the "National Vayoshri Yojana" launched ? (1) 1 <sup>st</sup> April 2016 (2) 1 <sup>st</sup> July 2016 (3) 1 <sup>st</sup> July 2017 (4) 1 <sup>st</sup> April 2017
11.	If A implies B, and B implies C, what can you conclude ? (1) A implies C (2) C implies A (3) A is true (4) B is false
12.	What is the missing number in the sequence : 2, 4, 6, 8, ....., 12, 14 ? (1) 9 (2) 10 (3) 11 (4) 13
13.	Choose a word that is different from the rest (1) Chicken (2) Snake (3) Frog (4) Swan
14.	FBG, GBF, HBI, IBH, ..... ? (1) HBL (2) HBK (3) JBK (4) JBI

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15.	Which alternative will replace the question mark ? Cup : Lip :: Bird : ? (1) Bush      (2) Grass      (3) Forest      (4) Beak
16.	Look at this series : 8, 6, 9, 23, 87, ..... what number should come next ? (1) 126      (2) 224      (3) 324      (4) 429
17.	Arrange the words given below in a meaningful sequence. a. Police, b. Punishment, c. Crime, d. Judge, e. Judgment (1) c, a, b, d, e      (2) a, b, d, c, e (3) e, d, c, b, a      (4) c, a, d, e, b
18.	<i>Statements :</i> I - The government has imposed a fine on people who litter in public places. II - The Cleanliness of public places has improved significantly in the recent past. (1) Statement I is the cause and statement II is its effect. (2) Statement II is the cause and statement I is its effect. (3) Both statements I and II are independent causes. (4) Both statements I and II are effects of independent causes.
19.	Choose the odd number from the given list- (1) 17      (2) 13      (3) 27      (4) 19
20.	<i>Statements :</i> I - The importance of meditation is being realized by all sections of society. II - There is an increasing awareness about mental and physical health in society, particularly among middle-aged groups of people. (1) Statement -II is the common effect and statement I is the independent cause. (2) Statement-I is the effect and statement-II in its cause. (3) Statements I and II are different independent causes. (4) Statements I and II are effects of independent causes



Question No.	Questions
21.	What is the smallest unit of living organisms ? (1) Cell      (2) Atom      (3) Molecules      (4) Organism
22.	What is the process by which a solid changes directly into a gas without going through the liquid state ? (1) Sublimation      (2) Evaporation (3) Condensation      (4) Melting
23.	Which is the most abundant naturally occurring gas in the Earth's atmosphere ? (1) Nitrogen      (2) Oxygen (3) Carbon Dioxide      (4) Argon
24.	Which of the following is a renewable source of energy ? (1) Coal      (2) Natural Gas (3) Solar Power      (4) Petroleum
25.	What is the process by which plants convert sunlight into chemical energy ? (1) Photosynthesis      (2) Respiration (3) Transpiration      (4) Germination
26.	What is the Human Body's largest organ ? (1) Skin      (2) Heart      (3) Liver      (4) Brain
27.	What is the largest planet in our solar system ? (1) Earth      (2) Jupiter      (3) Mars      (4) Saturn
28.	What happens to the velocity of a heavy body when it undergoes an elastic collision in one dimension with a very light body at rest ? (1) it stops and comes to rest (2) it keeps on moving with the same velocity (3) it starts moving with half of its initial velocity (4) it rebounds with the same velocity







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41.	A person crosses a 600m long street in 5 minutes. What is his speed in km per hour ? (1) 3.6                      (2) 7.2                      (3) 8.4                      (4) 10
42.	A train can travel 50% faster than a car. Both start from point A at the same time and reach point B 75 km away from A at the same time. On the way, however, the train lost about 12.5 minutes while stopping at the stations. The speed of the car is ..... (1) 100 kmph                      (2) 110 kmph (3) 120 kmph                      (4) 130 kmph
43.	The ratio between the speeds of two trains is 7 : 8. If the second train runs 400km in 4 hours, then the speed of the first train is : (1) 70 kmph                      (2) 75 kmph (3) 84 kmph                      (4) 87.5 kmph
44.	Arun purchased 30 kg of wheat at the rate of Rs. 11.50 per kg and 20 kg of wheat at the rate of Rs. 14.25 per kg. He mixed the two and sold the mixture. Approximately what price per kg should he sell the mixture to make 30% profit ? (1) 14.80                      (2) 15.40 (3) 15.60                      (4) 16.40
45.	A tradesman allows a discount of 15% on the written price. How much above the cost price should he mark his goods to make a profit of 19% ? (1) 20%                      (2) 40%                      (3) 30%                      (4) 25%
46.	Salary of Kumar was increased from Rs. 2,500/- to Rs. 2,800/-. The percentage of his rise in salary is (1) 10%                      (2) 20%                      (3) 12%                      (4) 15%



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47.	The percentage of $\frac{1}{20}$ is (1) 20% (2) 5% (3) .20% (4) 10%
48.	White colour is formed when primary colours are mixed in what proportion ? (1) 30 : 11 : 59 (2) 29 : 12 : 59 (3) 30 : 12 : 59 (4) 29 : 11 : 59
49.	A number has two digits. The digit in its unit place is x and the digit in its ten's place is y. The value of the number is (1) $10x + y$ (2) $x + 10y$ (3) yx (4) xy
50.	Fifteen years from now Ravi's age will be four times his present age. What is Ravi's present age ? (1) 5 (2) 8 (3) 7 (4) 3
51.	Two squares have sides x cm and $(x + 4)$ cm. The sum of their areas is $656 \text{ cm}^2$ . Find the sides of the square (1) 8 cm, 12 cm (2) 12 cm, 15 cm (3) 6 cm, 10 cm (4) 16 cm, 20 cm
52.	If $A : B = 3 : 4$ and $B : C = 5 : 6$ , what is $A : C$ ? (1) 5 : 8 (2) 3 : 6 (3) 3 : 5 (4) 4 : 6
53.	The sum of two numbers is 40 and the difference is 4. Find their ratio : (1) 9 : 11 (2) 11 : 9 (3) 1 : 10 (4) 10 : 1

Question No.	Questions
54.	If 1500 litres of water are pumped out in 3 hours, how much time is required to pump out 15,000 litres of water ? (1) 30 hrs (2) 25 hrs (3) 20 hrs (4) 15 hrs
55.	If a work is completed in 12 days by 16 men, how long will 32 men take to do the same piece of work ? (1) 6 days (2) 8 days (3) 5 days (4) 4 days
56.	A train 150m long passes a telegraphic post in 12 seconds. In what time will it pass a bridge 250m long ? (1) 36 seconds (2) 32 seconds (3) 18 seconds (4) 24 seconds
57.	If 4 men or 7 boys can do a work in 29 days then what time will 12 men and 8 boys take to do the same work ? (1) 7 days (2) 8 days (3) 6 days (4) 9 days
58.	A, B, C are employed to do a piece of work for Rs. 529. A and B together are supposed to do $\frac{19}{23}$ of the work and B and C together $\frac{8}{23}$ of the work, what should A be paid ? (1) Rs. 245 (2) Rs. 345 (3) Rs. 545 (4) Rs. 329
59.	At an election, a candidate secures 40% of the votes but is defeated by the other candidate by a majority of 298 votes. Find the total number of votes recorded. (1) 1290 (2) 1190 (3) 1390 (4) 1490



Question No.	Questions
60.	<p>When 75% of a number is added to 75, the result is the number again. Find the number.</p> <p>(1) 250 (2) 400 (3) 300 (4) 200</p>
61.	<p>Which of these parts would interpret a program's instructions to initiate the control operations ?</p> <p>(1) Logic unit (2) Control unit (3) Storage unit (4) Input</p>
62.	<p>Which of these output devices are used for the translation of information from any computer into a pictorial form on the papers ?</p> <p>(1) Card punch (2) Touch panel (3) Plotter (4) Mouse</p>
63.	<p>One packet on any data link is called :</p> <p>(1) Group (2) Block (3) Frame (4) Path</p>
64.	<p>Computer's basic architecture was developed by</p> <p>(1) John VonNeumann (2) Charles Babbage (3) Blaise Pascal (4) Jordan Murn</p>
65.	<p>What access method do we use to obtain any record out of a cassette tape ?</p> <p>(1) Random (2) Direct (3) Sequential (4) All of the above</p>

Question No.	Questions
66.	The computer-assisted method that helps in the recording and analysis of a hypothetical or an existing system is known as : (1) Data processing                      (2) Data capture (3) Data flow                                (4) Data transmission
67.	Internal memory in a CPU is nothing but (1) A set of registers                      (2) A set of ALU (3) Microprocessor                        (4) Bus
68.	Program stored in ROM are called (1) Hardware                                (2) Firmware (3) Software                                 (4) None of these
69.	A computer cannot "boot" if it does not have the (1) Compiler                                 (2) Loader (3) Operating System                      (4) Assembler
70.	Various applications and documents are represented on the windows desktop by (1) Symbols (2) Labels                      (3) Graphs                                      (4) Icons
71.	..... bar contains the name of the program a computer user is working with. (1) Menu                      (2) Tools                      (3) Title                                      (4) Scroll
72.	WWW is based on which model ? (1) Local Server                              (2) 3-tier (3) Client Server                              (4) None of these

Question No.	Questions
73.	<p>First computer network of the world is</p> <p>(1) INET (2) NSFNet (3) ARPANET (4) Vnet</p>
74.	<p>Which of the following protocol set the standards for www and a website ?</p> <p>(1) FTP (2) HTTP (3) SMTP (4) TCP/IP</p>
75.	<p>Which of the following is not a search engine ?</p> <p>(1) Google (2) Yahoo (3) Bing (4) Windows</p>
<p><b><u>Directions for Q. 76 and Q. 77 :</u></b></p> <p>Find out the most similar meaning for the <b>underlined</b> words in the given below questions.</p>	
76.	<p>This world will be short of one person and his/her <u>contribution</u>.</p> <p>(1) Supplication (2) Provision (3) Input (4) Participation</p>
77.	<p>How can a mother <u>afford</u> to be different ?</p> <p>(1) Bear (2) Provide (3) Give (4) Supply</p>
<p><b><u>Directions for Q. 78 and Q. 79 :</u></b></p> <p>Find out the most opposite meaning for the <b>underlined</b> words in the given below questions.</p>	
78.	<p>The connection is cut off and that part becomes <u>numb</u>.</p> <p>(1) Lively (2) Responsive (3) Sensitive (4) Active</p>
79.	<p>Soon it becomes an <u>obsession</u> ?</p> <p>(1) Interest (2) Passion (3) Indifference (4) Pressure</p>
<p><b><u>Directions for Q. 80 and Q.81 :</u></b></p> <p>Fill in the blank with suitable preposition.</p>	
80.	<p>I cannot agree ..... whatever you say.</p> <p>(1) with (2) by (3) at (4) to</p>



Question No.	Questions
81.	<p>It rained ..... four hours this morning.</p> <p>(1) for            (2) since            (3) by            (4) at</p>
82.	<p><b><u>Directions for Q. 82 and Q. 83 :</u></b></p> <p>Fill in the blank with suitable past tense verb.</p> <p>The cat ..... (kill) the rat.</p> <p>(1) is killing    (2) was killed    (3) killed            (4) will kill</p>
83.	<p>It ..... (rain) since 5 pm.</p> <p>(1) has been raining            (2) rains</p> <p>(3) is raining            (4) was raining</p>
84.	<p>Select the correct tense form :</p> <p>The train had left.</p> <p>(1) Past perfect            (2) Simple past</p> <p>(3) Present perfect            (4) Past continuous</p>
85.	<p><b><u>Directions for Q. 85 and Q. 86 :</u></b></p> <p>Select the correct answer given under each passage.</p> <p>Refrigerators were considered as luxurious as they were costly and so the rich houses only could afford a fridge. Now-a-days they are no longer luxuries. They are necessary.</p> <p>Refrigerators were ..... in the past. Select the correct answer.</p> <p>(1) Cheap    (2) Very cheap    (3) Costly            (4) More costly</p>
86.	<p>Comets are luminous celestial bodies moving round the sun. If any comet is sighted, it is believed that it signals the death of a royal figure. It is considered a superstition.</p> <p>The blind belief is called ..... Select the correct answer.</p> <p>(1) False belief            (2) Superstition</p> <p>(3) Wrong belief            (4) Bad signal</p>

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87.	<p>Select the correct sentence.</p> <p>(1) Candy taste sweet                      (2) Candy tastes sweet (3) Candy tastes sweets                  (4) Candy taste sweets</p>
88.	<p>Select the correct sentence.</p> <p>(1) The camera no work                  (2) The camera did no work (3) The camera does not work        (4) The camera no works</p>
89.	<p><b><u>Directions for Q. 89 and Q. 90 :</u></b></p> <p>Out of the given alternatives suggested select the one which best expresses the same sentence in indirect/direct speech.</p> <p>Aditya said to me, "I want to learn French".</p> <p>(1) Aditya told to me that he wanted to learn French (2) Aditya told me that he wanted to learn French (3) Aditya told me that he had wanted to learn French (4) Aditya asked me that he wanted to learn French</p>
90.	<p>I said to him, "I will do it for you."</p> <p>(1) I told him that me would do it for him (2) I told him that I would do that for him (3) I told him that I would done that for him (4) I told him that I would have done that for him</p>
91.	<p><b><u>Directions for Q. 91 to Q. 94 :</u></b></p> <p>In these questions, some sentences are given with blanks to be filled with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative one of the four.</p> <p>We have noticed immense decline ..... his moral.</p> <p>(1) with    (2) up (3) to     (4) in</p>

Question No.	Questions
92.	We shall fail ..... we are industrious. (1) even (2) unless (3) whether (4) until
93.	Please make yourself ..... home. (1) with (2) at (3) in (4) on
94.	The flash of the torch ..... a cobra. (1) exposed (2) displayed (3) disclosed (4) revealed
95.	Choose the appropriate conjunction for the following sentence : He is not ready to play ..... his friend plays. (1) but (2) unless (3) and (4) yet
96.	Fill in with suitable conjunction. He advanced ..... he could. (1) until (2) while (3) as (4) as far as
97.	<b>Directions :</b> Choose the appropriate option that fills in the given sentence correctly : ..... you have come to office; you may as well complete the backlog. (1) and (2) but (3) since (4) for instance



Question No.	Questions
98.	<p><b><u>Reading Comprehension Passage :</u></b></p> <p>"Education is the key to success. It provides knowledge, skills, and opportunities for personal growth. With education, individuals can break barriers and achieve their goals. It opens doors to new possibilities and empowers people to make a positive difference in society."</p> <p>What does education provide ?</p> <ol style="list-style-type: none"><li>(1) Success</li><li>(2) Barriers</li><li>(3) Skills and knowledge</li><li>(4) Personal growth</li></ol>
99.	<p><b><u>Paragraph Completion :</u></b> Complete the paragraph with the most appropriate sentence :</p> <p>"The environment plays a vital role in our lives. It provides us with resources and sustains life on Earth. However, human activities have led to ....."</p> <ol style="list-style-type: none"><li>(1) pollution and deforestation</li><li>(2) technological advancements</li><li>(3) global peace and harmony</li><li>(4) biodiversity conservation</li></ol>
100.	<p><b><u>Spelling Test :</u></b> Choose the correctly spelled word :</p> <ol style="list-style-type: none"><li>(1) Acquaintance</li><li>(2) Aqcquaintance</li><li>(3) Acquaintance</li><li>(4) Aquaintance</li></ol>

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Sr. No. **11102**

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2.	A train can travel 50% faster than a car. Both start from point A at the same time and reach point B 75 km away from A at the same time. On the way, however, the train lost about 12.5 minutes while stopping at the stations. The speed of the car is ..... (1) 100 kmph                      (2) 110 kmph (3) 120 kmph                      (4) 130 kmph
3.	The ratio between the speeds of two trains is 7 : 8. If the second train runs 400km in 4 hours, then the speed of the first train is : (1) 70 kmph                      (2) 75 kmph (3) 84 kmph                      (4) 87.5 kmph
4.	Arun purchased 30 kg of wheat at the rate of Rs. 11.50 per kg and 20 kg of wheat at the rate of Rs. 14.25 per kg. He mixed the two and sold the mixture. Approximately what price per kg should he sell the mixture to make 30% profit ? (1) 14.80                      (2) 15.40 (3) 15.60                      (4) 16.40
5.	A tradesman allows a discount of 15% on the written price. How much above the cost price should he mark his goods to make a profit of 19% ? (1) 20%                      (2) 40%                      (3) 30%                      (4) 25%
6.	Salary of Kumar was increased from Rs. 2,500/- to Rs. 2,800/-. The percentage of his rise in salary is (1) 10%                      (2) 20%                      (3) 12%                      (4) 15%





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15.	Which of the following is not a search engine ? (1) Google (2) Yahoo (3) Bing (4) Windows
16.	<b>Directions for Q. 16 and Q. 17 :</b> Find out the most similar meaning for the <u>underlined</u> words in the given below questions. This world will be short of one person and his/her <u>contribution</u> . (1) Supplication (2) Provision (3) Input (4) Participation
17.	How can a mother <u>afford</u> to be different ? (1) Bear (2) Provide (3) Give (4) Supply
18.	<b>Directions for Q. 18 and Q. 19 :</b> Find out the most opposite meaning for the <u>underlined</u> words in the given below questions. The connection is cut off and that part becomes <u>numb</u> . (1) Lively (2) Responsive (3) Sensitive (4) Active
19.	Soon it becomes an <u>obsession</u> ? (1) Interest (2) Passion (3) Indifference (4) Pressure
20.	<b>Directions for Q. 20 :</b> Fill in the blank with suitable preposition. I cannot agree ..... whatever you say. (1) with (2) by (3) at (4) to
21.	<b>Directions for Q. 21 to Q. 24 :</b> In these questions, some sentences are given with blanks to be filled with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative one of the four. We have noticed immense decline ..... his moral. (1) with (2) up (3) to (4) in
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28.	<p><b><u>Reading Comprehension Passage :</u></b></p> <p>"Education is the key to success. It provides knowledge, skills, and opportunities for personal growth. With education, individuals can break barriers and achieve their goals. It opens doors to new possibilities and empowers people to make a positive difference in society."</p> <p>What does education provide ?</p> <ul style="list-style-type: none"><li>(1) Success</li><li>(2) Barriers</li><li>(3) Skills and knowledge</li><li>(4) Personal growth</li></ul>
29.	<p><b><u>Paragraph Completion :</u></b> Complete the paragraph with the most appropriate sentence :</p> <p>"The environment plays a vital role in our lives. It provides us with resources and sustains life on Earth. However, human activities have led to ..... ."</p> <ul style="list-style-type: none"><li>(1) pollution and deforestation</li><li>(2) technological advancements</li><li>(3) global peace and harmony</li><li>(4) biodiversity conservation</li></ul>
30.	<p><b><u>Spelling Test :</u></b> Choose the correctly spelled word :</p> <ul style="list-style-type: none"><li>(1) Acqaintance</li><li>(2) Aqcuaintance</li><li>(3) Acquaintance</li><li>(4) Aquaintance</li></ul>

Question No.	Questions
31.	<p>Recently which country successfully test-fired the supersonic cruise missile BrahMos ?</p> <p>(1) India (2) Nepal (3) Pakistan (4) Bangladesh</p>
32.	<p>Which gas is used in the refrigerator ?</p> <p>(1) Oxygen (2) Nitrogen (3) Carbon (4) Freon</p>
33.	<p>Which one is the largest ocean in the world ?</p> <p>(1) Atlantic Ocean (2) Indian Ocean (3) Pacific Ocean (4) Arctic Ocean</p>
34.	<p>Who discovered penicillin ?</p> <p>(1) Alexander Fleming (2) Albert Einstein (3) Isaac Newton (4) Thomas Edison</p>
35.	<p>Which planet is known as the "Red Planet" ?</p> <p>(1) Venus (2) Mars (3) Jupiter (4) Saturn</p>
36.	<p>Who is the discoverer of electrons ?</p> <p>(1) J. J. Thomson (2) Kalam Azad (3) J. Thomas (4) Darwin</p>
37.	<p>Who is the current Prime Minister of the United Kingdom ?</p> <p>(1) Rishi Sunak (2) Angela Merkel (3) Justin Trudeau (4) Boris Johnson</p>



Question No.	Questions
38.	Apart from the national anthem of India, Rabindranath Tagore wrote the national anthem of which one other country ?  (1) China (2) Pakistan (3) Sri Lanka (4) Bangladesh
39.	When did Nagaland become a formal state of India ?  (1) 1963 (2) 1964 (3) 1965 (4) 1969
40.	When was the "National Vayoshri Yojana" launched ?  (1) 1 <sup>st</sup> April 2016 (2) 1 <sup>st</sup> July 2016 (3) 1 <sup>st</sup> July 2017 (4) 1 <sup>st</sup> April 2017
41.	Two squares have sides $x$ cm and $(x + 4)$ cm. The sum of their areas is $656$ $\text{cm}^2$ . Find the sides of the square  (1) 8 cm, 12 cm (2) 12 cm, 15 cm (3) 6 cm, 10 cm (4) 16 cm, 20 cm
42.	If $A : B = 3 : 4$ and $B : C = 5 : 6$ , what is $A : C$ ?  (1) 5 : 8 (2) 3 : 6 (3) 3 : 5 (4) 4 : 6
43.	The sum of two numbers is 40 and the difference is 4. Find their ratio :  (1) 9 : 11 (2) 11 : 9 (3) 1 : 10 (4) 10 : 1
44.	If 1500 litres of water are pumped out in 3 hours, how much time is required to pump out 15,000 litres of water ?  (1) 30 hrs (2) 25 hrs (3) 20 hrs (4) 15 hrs









Question No.	Questions
59.	A computer cannot "boot" if it does not have the (1) Compiler (2) Loader (3) Operating System (4) Assembler
60.	Various applications and documents are represented on the windows desktop by (1) Symbols (2) Labels (3) Graphs (4) Icons
61.	What is the smallest unit of living organisms ? (1) Cell (2) Atom (3) Molecules (4) Organism
62.	What is the process by which a solid changes directly into a gas without going through the liquid state ? (1) Sublimation (2) Evaporation (3) Condensation (4) Melting
63.	Which is the most abundant naturally occurring gas in the Earth's atmosphere ? (1) Nitrogen (2) Oxygen (3) Carbon Dioxide (4) Argon
64.	Which of the following is a renewable source of energy ? (1) Coal (2) Natural Gas (3) Solar Power (4) Petroleum





Question No.	Questions
72.	<p>What is the missing number in the sequence : 2, 4, 6, 8, ....., 12, 14 ?</p> <p>(1) 9                      (2) 10                      (3) 11                      (4) 13</p>
73.	<p>Choose a word that is different from the rest</p> <p>(1) Chicken                      (2) Snake</p> <p>(3) Frog                      (4) Swan</p>
74.	<p>FBG, GBF, HBI, IBH, ..... ?</p> <p>(1) HBL                      (2) HBK</p> <p>(3) JBK                      (4) JBI</p>
75.	<p>Which alternative will replace the question mark ?</p> <p>Cup : Lip :: Bird : ?</p> <p>(1) Bush                      (2) Grass                      (3) Forest                      (4) Beak</p>
76.	<p>Look at this series : 8, 6, 9, 23, 87, ..... what number should come next ?</p> <p>(1) 126                      (2) 224                      (3) 324                      (4) 429</p>
77.	<p>Arrange the words given below in a meaningful sequence.</p> <p>a. Police, b. Punishment, c. Crime, d. Judge, e. Judgment</p> <p>(1) c, a, b, d, e                      (2) a, b, d, c, e</p> <p>(3) e, d, c, b, a                      (4) c, a, d, e, b</p>
78.	<p><i>Statements :</i></p> <p>I - The government has imposed a fine on people who litter in public places.</p> <p>II - The Cleanliness of public places has improved significantly in the recent past.</p> <p>(1) Statement I is the cause and statement II is its effect.</p> <p>(2) Statement II is the cause and statement I is its effect.</p> <p>(3) Both statements I and II are independent causes.</p> <p>(4) Both statements I and II are effects of independent causes.</p>



Question No.	Questions
79.	Choose the odd number from the given list- (1) 17                      (2) 13                      (3) 27                      (4) 19
80.	<i>Statements :</i> I - The importance of meditation is being realized by all sections of society. II - There is an increasing awareness about mental and physical health in society, particularly among middle-aged groups of people. (1) Statement -II is the common effect and statement I is the independent cause. (2) Statement-I is the effect and statement-II in its cause. (3) Statements I and II are different independent causes. (4) Statements I and II are effects of independent causes
81.	<b><u>Directions for Q. 81 :</u></b> Fill in the blank with suitable preposition. It rained ..... four hours this morning. (1) for                      (2) since                      (3) by                      (4) at
82.	<b><u>Directions for Q. 82 and Q. 83 :</u></b> Fill in the blank with suitable past tense verb. The cat ..... (kill) the rat. (1) is killing                      (2) was killed                      (3) killed                      (4) will kill
83.	It ..... (rain) since 5 pm. (1) has been raining                      (2) rains (3) is raining                      (4) was raining
84.	Select the correct tense form : The train had left. (1) Past perfect                      (2) Simple past (3) Present perfect                      (4) Past continuous



Question No.	Questions
85.	<p><b>Directions for Q. 85 and Q. 86 :</b></p> <p>Select the correct answer given under each passage.</p> <p>Refrigerators were considered as luxurious as they were costly and so the rich houses only could afford a fridge. Now-a-days they are no longer luxuries. They are necessary.</p> <p>Refrigerators were ..... in the past. Select the correct answer.</p> <p>(1) Cheap      (2) Very cheap      (3) Costly                      (4) More costly</p>
86.	<p>Comets are luminous celestial bodies moving round the sun. If any comet is sighted, it is believed that it signals the death of a royal figure. It is considered a superstition.</p> <p>The blind belief is called ..... Select the correct answer.</p> <p>(1) False belief                      (2) Superstition (3) Wrong belief                      (4) Bad signal</p>
87.	<p>Select the correct sentence.</p> <p>(1) Candy taste sweet                      (2) Candy tastes sweet (3) Candy tastes sweets                      (4) Candy taste sweets</p>
88.	<p>Select the correct sentence.</p> <p>(1) The camera no work                      (2) The camera did no work (3) The camera does not work                      (4) The camera no works</p>
89.	<p><b>Directions for Q. 89 and Q. 90 :</b></p> <p>Out of the given alternatives suggested select the one which best expresses the same sentence in indirect/direct speech.</p> <p>Aditya said to me, "I want to learn French".</p> <p>(1) Aditya told to me that he wanted to learn French (2) Aditya told me that he wanted to learn French (3) Aditya told me that he had wanted to learn French (4) Aditya asked me that he wanted to learn French</p>

Question No.	Questions
90.	I said to him, "I will do it for you." (1) I told him that me would do it for him (2) I told him that I would do that for him (3) I told him that I would done that for him (4) I told him that I would have done that for him
91.	The highest common factor (HCF) of the two numbers is 6, and their least common multiple (LCM) is 72. What are the two numbers ? (1) 9 and 16 (2) 12 and 18 (3) 24 and 36 (4) 6 and 12
92.	Which of the following numbers is a terminating decimal ? (1) $\frac{1}{3}$ (2) $\frac{1}{7}$ (3) $\frac{1}{8}$ (4) $\frac{1}{5}$
93.	The sum of two consecutive odd numbers is 44. What are the numbers ? (1) 21, 23 (2) 22, 24 (3) 23, 25 (4) 24, 26
94.	Find the smallest square number which is divisible by each of the numbers 6, 9 and 15. (1) 900      (2) 700      (3) 600      (4) 800
95.	The sum of the ages of a father and his son is 50 years. Five years ago, the father's age was four times the age of the son. What are their current ages ? (1) Father : 35 years, Son : 15 years (2) Father : 40 years, Son : 10 years (3) Father : 45 years, Son : 5 years (4) Father : 50 years, Son : 0 years







# SET-“Y”

(Total No. of Printed Pages : 16)

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU ARE ASKED TO DO SO)

(BCA-EE-June, 2023)

Code **C**

**BACHELOR OF  
COMPUTER APPLICATION**

Sr. No **11055**

Time : 1½ Hours

Total Questions : 100

Max. Marks : 100

Roll No. \_\_\_\_\_ (in figure) \_\_\_\_\_ (in words)

Name : \_\_\_\_\_ Date of Birth : \_\_\_\_\_

Father's Name : \_\_\_\_\_ Mother's Name : \_\_\_\_\_

Date of Examination : \_\_\_\_\_

(Signature of the candidate)

(Signature of the Invigilator)

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Question No.	Questions
1.	What is the smallest unit of living organisms ? (1) Cell      (2) Atom      (3) Molecules      (4) Organism
2.	What is the process by which a solid changes directly into a gas without going through the liquid state ? (1) Sublimation      (2) Evaporation (3) Condensation      (4) Melting
3.	Which is the most abundant naturally occurring gas in the Earth's atmosphere ? (1) Nitrogen      (2) Oxygen (3) Carbon Dioxide      (4) Argon
4.	Which of the following is a renewable source of energy ? (1) Coal      (2) Natural Gas (3) Solar Power      (4) Petroleum
5.	What is the process by which plants convert sunlight into chemical energy ? (1) Photosynthesis      (2) Respiration (3) Transpiration      (4) Germination
6.	What is the Human Body's largest organ ? (1) Skin      (2) Heart      (3) Liver      (4) Brain
7.	What is the largest planet in our solar system ? (1) Earth      (2) Jupiter      (3) Mars      (4) Saturn
8.	What happens to the velocity of a heavy body when it undergoes an elastic collision in one dimension with a very light body at rest ? (1) it stops and comes to rest (2) it keeps on moving with the same velocity (3) it starts moving with half of its initial velocity (4) it rebounds with the same velocity



Question No.	Questions
9.	<p>Which of the following principles is used to define the First law of Thermodynamics ?</p> <p>(1) Conservation of Mass (2) Conservation of Energy (3) Conservation of Momentum (4) Conservation of Charge</p>
10.	<p>Which of the following is correct about Convection ?</p> <p>(1) It is possible in solids only (2) It is possible in fluids only (3) It is possible in solids and gases only (4) None of the above</p>
11.	<p>Two squares have sides <math>x</math> cm and <math>(x + 4)</math> cm. The sum of their areas is <math>656 \text{ cm}^2</math>. Find the sides of the square</p> <p>(1) 8 cm, 12 cm                      (2) 12 cm, 15 cm (3) 6 cm, 10 cm                      (4) 16 cm, 20 cm</p>
12.	<p>If <math>A : B = 3 : 4</math> and <math>B : C = 5 : 6</math>, what is <math>A : C</math> ?</p> <p>(1) 5 : 8                                      (2) 3 : 6 (3) 3 : 5                                      (4) 4 : 6</p>
13.	<p>The sum of two numbers is 40 and the difference is 4. Find their ratio :</p> <p>(1) 9 : 11                                      (2) 11 : 9 (3) 1 : 10                                      (4) 10 : 1</p>

Question No.	Questions
14.	If 1500 litres of water are pumped out in 3 hours, how much time is required to pump out 15,000 litres of water ? (1) 30 hrs (2) 25 hrs (3) 20 hrs (4) 15 hrs
15.	If a work is completed in 12 days by 16 men, how long will 32 men take to do the same piece of work ? (1) 6 days (2) 8 days (3) 5 days (4) 4 days
16.	A train 150m long passes a telegraphic post in 12 seconds. In what time will it pass a bridge 250m long ? (1) 36 seconds (2) 32 seconds (3) 18 seconds (4) 24 seconds
17.	If 4 men or 7 boys can do a work in 29 days then what time will 12 men and 8 boys take to do the same work ? (1) 7 days (2) 8 days (3) 6 days (4) 9 days
18.	A, B, C are employed to do a piece of work for Rs. 529. A and B together are supposed to do $\frac{19}{23}$ of the work and B and C together $\frac{8}{23}$ of the work, what should A be paid ? (1) Rs. 245 (2) Rs. 345 (3) Rs. 545 (4) Rs. 329
19.	At an election, a candidate secures 40% of the votes but is defeated by the other candidate by a majority of 298 votes. Find the total number of votes recorded. (1) 1290 (2) 1190 (3) 1390 (4) 1490



Question No.	Questions
20.	<p>When 75% of a number is added to 75, the result is the number again. Find the number.</p> <p>(1) 250      (2) 400      (3) 300      (4) 200</p>
21.	<p><u>Directions for Q. 21 :</u> Fill in the blank with suitable preposition.</p> <p>It rained ..... four hours this morning.</p> <p>(1) for      (2) since      (3) by      (4) at</p>
22.	<p><u>Directions for Q. 22 and Q. 23 :</u> Fill in the blank with suitable past tense verb.</p> <p>The cat ..... (kill) the rat.</p> <p>(1) is killing    (2) was killed    (3) killed      (4) will kill</p>
23.	<p>It ..... (rain) since 5 pm.</p> <p>(1) has been raining      (2) rains (3) is raining      (4) was raining</p>
24.	<p>Select the correct tense form :</p> <p>The train had left.</p> <p>(1) Past perfect      (2) Simple past (3) Present perfect      (4) Past continuous</p>
25.	<p><u>Directions for Q. 25 and Q. 26 :</u> Select the correct answer given under each passage.</p> <p>Refrigerators were considered as luxurious as they were costly and so the rich houses only could afford a fridge. Now-a-days they are no longer luxuries. They are necessary.</p> <p>Refrigerators were ..... in the past. Select the correct answer.</p> <p>(1) Cheap    (2) Very cheap    (3) Costly      (4) More costly</p>





Question No.	Questions
31.	<p>..... bar contains the name of the program a computer user is working with.</p> <p>(1) Menu      (2) Tools      (3) Title      (4) Scroll</p>
32.	<p>WWW is based on which model ?</p> <p>(1) Local Server      (2) 3-tier</p> <p>(3) Client Server      (4) None of these</p>
33.	<p>First computer network of the world is</p> <p>(1) INET      (2) NSFNet</p> <p>(3) ARPANET      (4) Vnet</p>
34.	<p>Which of the following protocol set the standards for www and a website ?</p> <p>(1) FTP      (2) HTTP</p> <p>(3) SMTP      (4) TCP/IP</p>
35.	<p>Which of the following is not a search engine ?</p> <p>(1) Google      (2) Yahoo</p> <p>(3) Bing      (4) Windows</p>
<p><b><u>Directions for Q. 36 and Q. 37 :</u></b></p> <p>Find out the most similar meaning for the underlined words in the given below questions.</p>	
36.	<p>This world will be short of one person and his/her <u>contribution</u>.</p> <p>(1) Supplication      (2) Provision</p> <p>(3) Input      (4) Participation</p>
37.	<p>How can a mother <u>afford</u> to be different ?</p> <p>(1) Bear      (2) Provide</p> <p>(3) Give      (4) Supply</p>

Question No.	Questions
38.	<p><b><u>Directions for Q. 38 and Q. 39 :</u></b> Find out the most opposite meaning for the <b>underlined</b> words in the given below questions.</p> <p>The connection is cut off and that part becomes <b>numb</b>. (1) Lively (2) Responsive (3) Sensitive (4) Active</p>
39.	<p>Soon it becomes an <b>obsession</b> ? (1) Interest (2) Passion (3) Indifference (4) Pressure</p>
40.	<p><b><u>Directions for Q. 40 :</u></b> Fill in the blank with suitable preposition.</p> <p>I cannot agree ..... whatever you say. (1) with (2) by (3) at (4) to</p>
41.	<p>If A implies B, and B implies C, what can you conclude ? (1) A implies C (2) C implies A (3) A is true (4) B is false</p>
42.	<p>What is the missing number in the sequence : 2, 4, 6, 8, ....., 12, 14 ? (1) 9 (2) 10 (3) 11 (4) 13</p>
43.	<p>Choose a word that is different from the rest (1) Chicken (2) Snake (3) Frog (4) Swan</p>
44.	<p>FBG, GBF, HBI, IBH, ..... ? (1) HBL (2) HBK (3) JBK (4) JBI</p>



Question No.	Questions
45.	<p>Which alternative will replace the question mark ? Cup : Lip : : Bird : ?</p> <p>(1) Bush      (2) Grass      (3) Forest      (4) Beak</p>
46.	<p>Look at this series : 8, 6, 9, 23, 87, ..... what number should come next ?</p> <p>(1) 126      (2) 224      (3) 324      (4) 429</p>
47.	<p>Arrange the words given below in a meaningful sequence. a. Police, b. Punishment, c. Crime, d. Judge, e. Judgment</p> <p>(1) c, a, b, d, e      (2) a, b, d, c, e (3) e, d, c, b, a      (4) c, a, d, e, b</p>
48.	<p><i>Statements :</i></p> <p>I - The government has imposed a fine on people who litter in public places. II - The Cleanliness of public places has improved significantly in the recent past.</p> <p>(1) Statement I is the cause and statement II is its effect. (2) Statement II is the cause and statement I is its effect. (3) Both statements I and II are independent causes. (4) Both statements I and II are effects of independent causes.</p>
49.	<p>Choose the odd number from the given list-</p> <p>(1) 17      (2) 13      (3) 27      (4) 19</p>
50.	<p><i>Statements :</i></p> <p>I - The importance of meditation is being realized by all sections of society. II - There is an increasing awareness about mental and physical health in society, particularly among middle-aged groups of people.</p> <p>(1) Statement -II is the common effect and statement I is the independent cause. (2) Statement-I is the effect and statement-II in its cause. (3) Statements I and II are different independent causes. (4) Statements I and II are effects of independent causes</p>







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71.	A person crosses a 600m long street in 5 minutes. What is his speed in km per hour ? (1) 3.6 (2) 7.2 (3) 8.4 (4) 10















Question No.	Questions
95.	What access method do we use to obtain any record out of a cassette tape ? (1) Random (2) Direct (3) Sequential (4) All of the above
96.	The computer-assisted method that helps in the recording and analysis of a hypothetical or an existing system is known as : (1) Data processing (2) Data capture (3) Data flow (4) Data transmission
97.	Internal memory in a CPU is nothing but (1) A set of registers (2) A set of ALU (3) Microprocessor (4) Bus
98.	Program stored in ROM are called (1) Hardware (2) Firmware (3) Software (4) None of these
99.	A computer cannot "boot" if it does not have the (1) Compiler (2) Loader (3) Operating System (4) Assembler
100.	Various applications and documents are represented on the windows desktop by (1) Symbols (2) Labels (3) Graphs (4) Icons

**SET-“Y”**

(Total No. of Printed Pages : 16)

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(BCA-EE-June, 2023)

Code

**D**

**BACHELOR OF  
COMPUTER APPLICATION**

Sr. No. 11088

Time : 1½ Hours

Total Questions : 100

Max. Marks : 100

Roll No. \_\_\_\_\_ (in figure) \_\_\_\_\_ (in words)

Name : \_\_\_\_\_ Date of Birth : \_\_\_\_\_

Father's Name : \_\_\_\_\_ Mother's Name : \_\_\_\_\_

Date of Examination : \_\_\_\_\_

(Signature of the candidate)

(Signature of the Invigilator)

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24.	Which of the following protocol set the standards for www and a website ? (1) FTP (2) HTTP (3) SMTP (4) TCP/IP
25.	Which of the following is not a search engine ? (1) Google (2) Yahoo (3) Bing (4) Windows
26.	<p><b><u>Directions for Q. 26 and Q. 27 :</u></b>            Find out the most similar meaning for the <b>underlined</b> words in the given below questions.</p> This world will be short of one person and his/her <u>contribution</u> . (1) Supplication (2) Provision (3) Input (4) Participation
27.	How can a mother <u>afford</u> to be different ? (1) Bear (2) Provide (3) Give (4) Supply
28.	<p><b><u>Directions for Q. 28 and Q. 29 :</u></b>            Find out the most opposite meaning for the <b>underlined</b> words in the given below questions.</p> The connection is cut off and that part becomes <u>numb</u> . (1) Lively (2) Responsive (3) Sensitive (4) Active
29.	Soon it becomes an <u>obsession</u> ? (1) Interest (2) Passion (3) Indifference (4) Pressure
30.	<p><b><u>Directions for Q. 30 :</u></b>            Fill in the blank with suitable preposition.</p> I cannot agree ..... whatever you say. (1) with (2) by (3) at (4) to

Question No.	Questions
31.	What is the smallest unit of living organisms ? (1) Cell      (2) Atom      (3) Molecules      (4) Organism
32.	What is the process by which a solid changes directly into a gas without going through the liquid state ? (1) Sublimation      (2) Evaporation (3) Condensation      (4) Melting
33.	Which is the most abundant naturally occurring gas in the Earth's atmosphere ? (1) Nitrogen      (2) Oxygen (3) Carbon Dioxide      (4) Argon
34.	Which of the following is a renewable source of energy ? (1) Coal      (2) Natural Gas (3) Solar Power      (4) Petroleum
35.	What is the process by which plants convert sunlight into chemical energy ? (1) Photosynthesis      (2) Respiration (3) Transpiration      (4) Germination
36.	What is the Human Body's largest organ ? (1) Skin      (2) Heart      (3) Liver      (4) Brain
37.	What is the largest planet in our solar system ? (1) Earth      (2) Jupiter      (3) Mars      (4) Saturn
38.	What happens to the velocity of a heavy body when it undergoes an elastic collision in one dimension with a very light body at rest ? (1) it stops and comes to rest (2) it keeps on moving with the same velocity (3) it starts moving with half of its initial velocity (4) it rebounds with the same velocity





Question No.	Questions
44.	Computer's basic architecture was developed by (1) John VonNeumann                      (2) Charles Babbage (3) Blaise Pascal                              (4) Jordan Murn
45.	What access method do we use to obtain any record out of a cassette tape ? (1) Random                                      (2) Direct (3) Sequential                                   (4) All of the above
46.	The computer-assisted method that helps in the recording and analysis of a hypothetical or an existing system is known as : (1) Data processing                              (2) Data capture (3) Data flow                                      (4) Data transmission
47.	Internal memory in a CPU is nothing but (1) A set of registers                              (2) A set of ALU (3) Microprocessor                              (4) Bus
48.	Program stored in ROM are called (1) Hardware                                      (2) Firmware (3) Software                                      (4) None of these
49.	A computer cannot "boot" if it does not have the (1) Compiler                                      (2) Loader (3) Operating System                              (4) Assembler
50.	Various applications and documents are represented on the windows desktop by (1) Symbols (2) Labels                              (3) Graphs                              (4) Icons





Question No.	Questions
57.	Select the correct sentence. (1) Candy taste sweet                      (2) Candy tastes sweet (3) Candy tastes sweets                    (4) Candy taste sweets
58.	Select the correct sentence. (1) The camera no work                    (2) The camera did no work (3) The camera does not work            (4) The camera no works
59.	<b>Directions for Q. 59 and Q. 60 :</b> Out of the given alternatives suggested select the one which best expresses the same sentence in indirect/direct speech. Aditya said to me, "I want to learn French". (1) Aditya told to me that he wanted to learn French (2) Aditya told me that he wanted to learn French (3) Aditya told me that he had wanted to learn French (4) Aditya asked me that he wanted to learn French
60.	I said to him, "I will do it for you." (1) I told him that me would do it for him (2) I told him that I would do that for him (3) I told him that I would done that for him (4) I told him that I would have done that for him
61.	A person crosses a 600m long street in 5 minutes. What is his speed in km per hour ? (1) 3.6                      (2) 7.2                      (3) 8.4                      (4) 10
62.	A train can travel 50% faster than a car. Both start from point A at the same time and reach point B 75 km away from A at the same time. On the way, however, the train lost about 12.5 minutes while stopping at the stations. The speed of the car is ..... (1) 100 kmph                                      (2) 110 kmph (3) 120 kmph                                      (4) 130 kmph



Question No.	Questions
63.	The ratio between the speeds of two trains is 7 : 8. If the second train runs 400km in 4 hours, then the speed of the first train is : (1) 70 kmph (2) 75 kmph (3) 84 kmph (4) 87.5 kmph
64.	Arun purchased 30 kg of wheat at the rate of Rs. 11.50 per kg and 20 kg of wheat at the rate of Rs. 14.25 per kg. He mixed the two and sold the mixture. Approximately what price per kg should he sell the mixture to make 30% profit ? (1) 14.80 (2) 15.40 (3) 15.60 (4) 16.40
65.	A tradesman allows a discount of 15% on the written price. How much above the cost price should he mark his goods to make a profit of 19% ? (1) 20% (2) 40% (3) 30% (4) 25%
66.	Salary of Kumar was increased from Rs. 2,500/- to Rs. 2,800/-. The percentage of his rise in salary is (1) 10% (2) 20% (3) 12% (4) 15%
67.	The percentage of $\frac{1}{20}$ is (1) 20% (2) 5% (3) .20% (4) 10%
68.	White colour is formed when primary colours are mixed in what proportion ? (1) 30 : 11 : 59 (2) 29 : 12 : 59 (3) 30 : 12 : 59 (4) 29 : 11 : 59
69.	A number has two digits. The digit in its unit place is x and the digit in its ten's place is y. The value of the number is (1) $10x + y$ (2) $x + 10y$ (3) $yx$ (4) $xy$

Question No.	Questions
70.	Fifteen years from now Ravi's age will be four times his present age. What is Ravi's present age ? (1) 5                      (2) 8                      (3) 7                      (4) 3
71.	Two squares have sides $x$ cm and $(x + 4)$ cm. The sum of their areas is $656$ $\text{cm}^2$ . Find the sides of the square (1) 8 cm, 12 cm                      (2) 12 cm, 15 cm (3) 6 cm, 10 cm                      (4) 16 cm, 20 cm
72.	If $A : B = 3 : 4$ and $B : C = 5 : 6$ , what is $A : C$ ? (1) 5 : 8                      (2) 3 : 6 (3) 3 : 5                      (4) 4 : 6
73.	The sum of two numbers is 40 and the difference is 4. Find their ratio : (1) 9 : 11                      (2) 11 : 9 (3) 1 : 10                      (4) 10 : 1
74.	If 1500 litres of water are pumped out in 3 hours, how much time is required to pump out 15,000 litres of water ? (1) 30 hrs                      (2) 25 hrs (3) 20 hrs                      (4) 15 hrs
75.	If a work is completed in 12 days by 16 men, how long will 32 men take to do the same piece of work ? (1) 6 days                      (2) 8 days (3) 5 days                      (4) 4 days
76.	A train 150m long passes a telegraphic post in 12 seconds. In what time will it pass a bridge 250m long ? (1) 36 seconds                      (2) 32 seconds (3) 18 seconds                      (4) 24 seconds



Question No.	Questions
77.	If 4 men or 7 boys can do a work in 29 days then what time will 12 men and 8 boys take to do the same work ? (1) 7 days      (2) 8 days      (3) 6 days      (4) 9 days
78.	A, B, C are employed to do a piece of work for Rs. 529. A and B together are supposed to do $\frac{19}{23}$ of the work and B and C together $\frac{8}{23}$ of the work, what should A be paid ? (1) Rs. 245      (2) Rs. 345 (3) Rs. 545      (4) Rs. 329
79.	At an election, a candidate secures 40% of the votes but is defeated by the other candidate by a majority of 298 votes. Find the total number of votes recorded. (1) 1290      (2) 1190 (3) 1390      (4) 1490
80.	When 75% of a number is added to 75, the result is the number again. Find the number. (1) 250      (2) 400 (3) 300      (4) 200
81.	Recently which country successfully test-fired the supersonic cruise missile BrahMos ? (1) India      (2) Nepal (3) Pakistan      (4) Bangladesh
82.	Which gas is used in the refrigerator ? (1) Oxygen      (2) Nitrogen (3) Carbon      (4) Freon


Question No.	Questions
83.	Which one is the largest ocean in the world ? (1) Atlantic Ocean (2) Indian Ocean (3) Pacific Ocean (4) Arctic Ocean
84.	Who discovered penicillin ? (1) Alexander Fleming (2) Albert Einstein (3) Isaac Newton (4) Thomas Edison
85.	Which planet is known as the "Red Planet" ? (1) Venus (2) Mars (3) Jupiter (4) Saturn
86.	Who is the discoverer of electrons ? (1) J. J. Thomson (2) Kalam Azad (3) J. Thomas (4) Darwin
87.	Who is the current Prime Minister of the United Kingdom ? (1) Rishi Sunak (2) Angela Merkel (3) Justin Trudeau (4) Boris Johnson
88.	Apart from the national anthem of India, Rabindranath Tagore wrote the national anthem of which one other country ? (1) China (2) Pakistan (3) Sri Lanka (4) Bangladesh
89.	When did Nagaland become a formal state of India ? (1) 1963 (2) 1964 (3) 1965 (4) 1969


Question No.	Questions
90.	When was the "National Vayoshri Yojana" launched ? (1) 1 <sup>st</sup> April 2016 (2) 1 <sup>st</sup> July 2016 (3) 1 <sup>st</sup> July 2017 (4) 1 <sup>st</sup> April 2017
91.	If A implies B, and B implies C, what can you conclude ? (1) A implies C (2) C implies A (3) A is true (4) B is false
92.	What is the missing number in the sequence : 2, 4, 6, 8, ....., 12, 14 ? (1) 9 (2) 10 (3) 11 (4) 13
93.	Choose a word that is different from the rest (1) Chicken (2) Snake (3) Frog (4) Swan
94.	FBG, GBF, HBI, IBH, ..... ? (1) HBL (2) HBK (3) JBK (4) JBI
95.	Which alternative will replace the question mark ? Cup : Lip :: Bird : ? (1) Bush (2) Grass (3) Forest (4) Beak

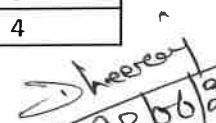




ANSWER KEYS OF B.C.A. COURSE FOR SESSION 2023-24				
Q. NO.	A	B	C	D
1	1	2	1	4
2	4	3	1	2
3	3	4	1	2
4	1	4	3	4
5	2	2	1	2
6	1	3	1	4
7	1	2	2	3
8	4	1	2	3
9	1	2	2	1
10	4	1	2	3
11	1	3	4	3
12	2	2	1	3
13	1	3	2	1
14	3	2	1	1
15	4	4	1	1
16	4	3	2	2
17	4	1	1	2
18	1	3	2	2
19	3	3	4	4
20	2	1	3	3
21	1	4	1	3
22	1	2	3	2
23	1	2	3	3
24	3	4	1	2
25	1	2	3	4
26	1	4	2	3
27	2	3	2	1
28	2	3	3	3
29	2	1	2	3
30	2	3	2	1
31	3	1	3	1
32	3	4	2	1
33	1	3	3	1
34	1	1	2	3
35	1	2	4	1
36	2	1	3	1
37	2	1	1	2
38	2	4	3	2
39	4	1	3	2
40	3	4	1	2
41	2	4	1	2
42	3	1	2	3
43	4	2	1	3
44	4	1	3	1
45	2	1	4	3
46	3	2	4	3
47	2	1	4	1
48	1	2	1	2
49	2	4	3	3
50	1	3	2	4

  
 23/6/23

  
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 23/6/23

ANSWER KEYS OF B.C.A. COURSE FOR SESSION 2023-24				
Q. NO.	A	B	C	D
51	4	2	3	1
52	1	3	3	3
53	2	3	1	3
54	1	1	1	1
55	1	3	1	3
56	2	3	2	2
57	1	1	2	2
58	2	2	2	3
59	4	3	4	2
60	3	4	3	2
61	2	1	1	2
62	3	1	4	3
63	3	1	3	4
64	1	3	1	4
65	3	1	2	2
66	3	1	1	3
67	1	2	1	2
68	2	2	4	1
69	3	2	1	2
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80	1	2	1	3
81	1	1	4	1
82	3	3	2	4
83	3	3	2	3
84	1	1	4	1
85	3	3	2	2
86	2	2	4	1
87	2	2	3	1
88	3	3	3	4
89	2	2	1	1
90	2	2	3	4
91	4	3	2	1
92	2	3	3	2
93	2	1	3	1
94	4	1	1	3
95	2	1	3	4
96	4	2	3	4
97	3	2	1	4
98	3	2	2	1
99	1	4	3	3
100	3	3	4	2

AM  
23/6/23

CRP  
23/6/23

Sheera  
23/06/23