

FOUR YEAR B.A./B.Com./B.Sc./B.C.A./B.B.A./B.Music/B.Dance/B.A(O.L)/
B.H.M. (ALL GROUPS) DEGREE EXAMINATION,

DECEMBER/JANUARY - 2024/25

CHOICE BASED CREDIT SYSTEM

FIRST SEMESTER

PART - I(C) : LIFE SKILL COURSE

Course - 3 : ANALYTICAL SKILLS

(Under CBCS New Regulation w.e.f. the academic year 2023-24)

Time : 1 ½ Hours

Max. Marks : 50

Answer ALL the questions.

- LCM of two numbers is 138. But Their GCD is 23. The numbers are in a ratio 1:6. Which is the largest number amongst the two? ()
 a) 138 b) 522
 c) 172 d) None of the above
- The greatest number of four digits which is divisible by 15, 25, 40, 75 is ()
 a) 9800 b) 9600
 c) 1720 d) None of the above
- What least number when divided by 20, 48 and 36 leaves the remainders 13, 41 and 29, respectively? ()
 a) 713 b) 813
 c) 317 d) None of the above
- What is HCF of 36/75, 48/150, 72/135? ()
 a) 120/1350 b) 820/36
 c) 310/36 d) 36/120
- If $a*b = 2a + 3b$, then the value of $2*3 + 3*4$ is ()
 a) 31 b) 32
 c) 37 d) 30

1-07(3)-R23

[P.T.O.]

$$\begin{array}{r} 3 \overline{) 138} \\ \underline{9} \\ 48 \\ \underline{42} \\ 60 \\ \underline{60} \\ 0 \end{array}$$

$$\frac{a}{b} = \frac{2a}{3b}$$

$$ab = 2a + 3b$$

$$6 + 12$$

$$\begin{array}{r} 2 \overline{) 36} \\ \underline{2} \\ 16 \\ \underline{16} \\ 0 \end{array}$$

$$\begin{array}{r} 2 \overline{) 16} \\ \underline{2} \\ 8 \\ \underline{8} \\ 0 \end{array}$$

$$\begin{array}{r} 2 \overline{) 8} \\ \underline{2} \\ 4 \\ \underline{4} \\ 0 \end{array}$$

$$\begin{array}{r} 5 \overline{) 75, 150, 135} \\ \underline{5} \\ 15, 30, 27 \\ \underline{5} \\ 3, 6, 27 \\ \underline{3} \\ 1, 2, 9 \\ \underline{3} \\ 1, 2, 3 \end{array}$$

$$2 \times 2 \times 3 \times 3$$

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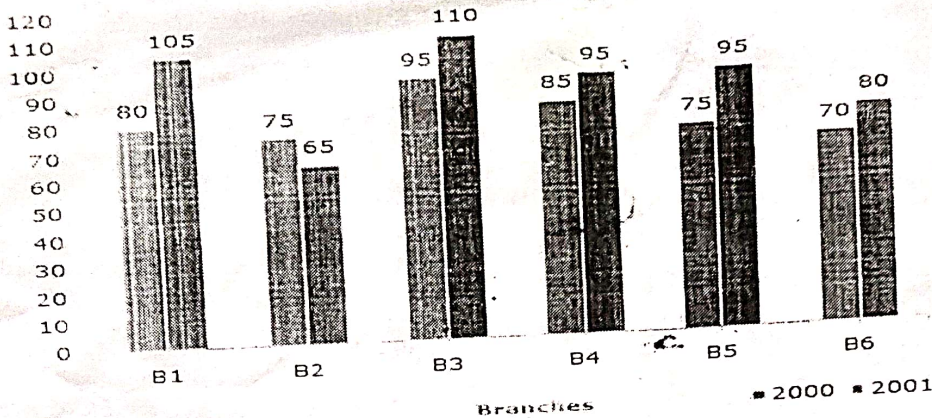
6. If $a = 4.36$, $b = 2.39$, $c = 1.97$, then the value of $a^3 - b^3 - c^3 - 3abc$ is ()
 a) 3.64 b) 2.36
 c) 0 d) 1
7. Find the next number in the series: 3, 9, 27, 81, ? ()
 a) 342 b) 241
 ✓ c) 243 d) 432
8. Arrange the following numbers in ascending order : 56, 34, 72, 25, 62 ()
 ✓ a) 25, 34, 56, 62, 72 b) 25, 56, 34, 72, 62
 c) 72, 62, 34, 56, 25 d) 25, 34, 56, 72, 62
9. Choose the word which is different from the rest ()
 a) Crocodile ✓ b) Chicken
 c) Swan d) Frog
10. FBG, GBF, HBI, IBH, _____? ()
 ✓ a) JBK b) JBH
 c) GBK d) JBM
- $E-1=F$
 $F+2=I$
 $I-1=H$
 $H+2=J$
11. Introducing John to guests, Steve said, "Her father is the only son of my father". How is John related to Steve? ()
 a) Mother b) Sister
 c) Daughter d) Brother
12. What was the day of the week on 28th May, 2006? ()
 a) Friday b) Monday
 c) Tuesday ✓ d) Sunday
13. By how many degrees does the minute hand move in the same time, in which the hour hand move by 280°? ()
 a) 145 ✓ b) 120
 c) 190 d) 336
14. A man travels from his home to office at 4km/hr and reaches his office 20 min late. If the speed had been 6 km/hr he would have reached 10 min early. Find the distance from his home to office. ()
 a) 36 kmph b) 10kmph
 c) 6kmph d) 4kmph

15. The average of 20 numbers is zero. Of them, at the most, how many may be greater than zero. ()

- ✓ a) 10
c) 19

- b) 0
d) 20

16.



What is the ratio of the total sales of branch B2 for both years to the total sales of branch B4 for both years? ()

- a) 7:9
c) 9:7
- b) 3:9
d) 9:3

17. Is a partnership firm considered as a separate legal entity? ()

- a) No
c) Yes-Partially
- ✓ b) Yes
d) None of the above

18. What is the difference between the compound interests on Rs. 5000 for $1\frac{1}{2}$ years at 4% per annum compounded yearly and half-yearly? ()

- a) Rs. 2.04
c) Rs. 3.4
- b) Rs. 2.5
d) Rs. 4.02

19. The compound interest on Rs. 30,000 at 7% per annum is Rs. 4347. The period is in Years ()

- a) 2.5
c) 3
- b) 2
d) 4

20. In Classification, the data are arranged according to: ()

- ✓ a) Similarities
c) Percentages
- b) Differences
d) Ratios

21. The grouped data are called: ()
- a) Primary data b) Secondary data
c) Raw data ✓ d) Difficult to tell
22. If the number of workers in a factory is 256, the number of classes will be: ()
- a) 8 b) 9
c) 10 ✓ d) 12
23. The lower and upper class limits are 20 and 30, the midpoints of the class is: ()
- a) 20 ✓ b) 25
c) 30 d) 50
24. If BOWLER is coded as CPXMFS, then KEEPER is coded as ()
- ✓ a) LFFQFS b) LDDQFS
c) JFFQFS d) LGGQFS
25. The value of $x^2 - 5$ at $x = -1$ is - ()
- a) -2 b) -1
✓ c) -4 d) -5