Sanjay Ghodawat University, Kolhapur

2019-20

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

Year and Program 2019 **School - SCM** **Department-- Commerce**
SY BCOM
Course Code- CBC 2092 **Aptitude and reasoning** **Semester – III**

Day and Date :- Wednesday 27/11/19 **End Semester Examination** **Time2 Hours Marks: 100**
10.30am to 12.30 pm

Instructions- 1) Attempt any 50 Questions 2 Marks Each
2) Calculator is not allowed.

1) A bag contains 6 white and 4 black balls .2 balls are drawn at random. Find the probability that they are of same colour.

- A) 1/2
- B) 7/15
- C) 8/15
- D) 1/9

2) A problem is given to three students whose chances of solving it are 1/2, 1/3 and 1/4 respectively. What is the probability that the problem will be solved?

- A) 1/4
- B) 1/2
- C) 3/4
- D) 7/12

3) A and B invest in a business in the ratio 3 : 2. If 5% of the total profit goes to charity and A's share is Rs. 855, the total profit is :

- A) 500
- B) 1000
- C) 1500
- D) 2000

4) How many pairs of letters are there in the word " CASTRAPHONE" which have as many letters between them in the word as in the alphabet?

- A) 3
- B) 4
- C) 5
- D) 6

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5) A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D?

- A) Grandfather
- B) Grandmother
- C) Daughter
- D) Granddaughter

6) A student multiplied a number by 3/5 instead of 5/3, What is the percentage error in the calculation ?

- A) 54 %
- B) 64 %
- C) 74 %
- D) 84

7) ¾ part of tank is full of water. When 30 litres of water is taken out it becomes empty. The capacity of the tank is?

a. 36 litres
b. 42 litres
c. 40 litres
d. 38 litres

8) A's salary is 50% more than B's. How much percent is B's salary less than A's?

a. 20%
b. 25%
c. 18%
d. 16%

9) Ramesh's salary was reduced by 10% and then the reduced salary was increased by 10%. What was his ultimate loss?

a. 0%
b. 10%
c. 1%
d. 5%

10) In a country 55% population is female. 80% of the male population is literate. How much of females are literate if total literacy is 58%?

a. 45%
b. 55%
c. 40%
d. 22%

11) If 20% of an electricity bill is deducted, then Rs. 100 is still to be paid. How much was the original bill?

a. Rs. 110
b. Rs. 115
c. Rs. 120
d. Rs. 125

12) Complete the series 16,33,65,131,261,.....

A. 523

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B. 521
C. 613
D. 721

13) Complete the series 10,5,13,10,16,20,19,.....
A. 22
B. 40
C. 23
D. 23

14) Odd one out 25,36,49,81,121,169,225
A. 36
B. 49
C. 121
D. 169

15) Odd one out 4,6,8,9,10,11,12
A. 10
B. 11
C. 12
D. 9

16) Odd one out 5,16,6,16,7,16,9
A. 9
B. 7
C. 6
D. 5

17) Odd one out 6,13,18,25,30,37,40
A. 25
B. 30
C. 37
D. 40

18) Arrange the words given below in a meaningful sequence.
1.Presentation 2.Recommendation 3. Arrival 4.Discussion 5.Introduction

- A) 5, 3, 4, 1, 2
- B) 3, 5, 4, 2, 1
- C) 3, 5, 1, 4, 2
- D) 5, 3, 1, 2, 4

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19) What was the day on 15th august 1947 ?

A) Friday

B) Saturday

C) Sunday

D) Thursday

20) A bag contains 50 P, 25 P and 10 P coins in the ratio 5: 9: 4, amounting to Rs. 206. Find the number of coins of each type respectively.

A) 360, 160, 200

B) 160, 360, 200

C) 200, 360,160

D) 200,160,300

21) A problem is given to three students whose chances of solving it are 1/2, 1/3 and 1/4 respectively. What is the probability that the problem will be solved?

A) 1/4

B) 1/2

C) 3/4

D) 7/12

22) The value of a machine depreciates at the rate of 10% every year. It was purchased 3 years ago. If its present value is Rs. 8748, its purchase price was :

A) 10000

B) 12000

C) 14000

D) 16000

23) A clock is set right at 8 a.m. The clock gains 10 minutes in 24 hours will be the true time when the clock indicates 1 p.m. on the following day?

A) 48 min. past 12.

B) 46 min. past 12.

C) 45 min. past 12.

D) 47 min. past 12.

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24) Insert the missing number. 7, 26, 63, 124, 215, 342, (....)

A) 391 B) 421

C) 481 D) 511

25) In an examination, a student scores 4 marks for every correct answer and loses 1 mark for every wrong answer. If he attempts all 60 questions and secures 130 marks, the no of questions he attempts correctly is :

A) 35 B) 38

C) 40 D) 42

26) Two cards are drawn at random from a pack of 52 cards.what is the probability that either both are black or both are queen?

A) 52/221 B) 55/190

C) 55/221 D) 19/221

27) In a certain code language COMPUTER is written as RFUVQNPC. How will MEDICINE be written in that code language?

A) MFEDJJOE B) EOJDEJFM

C) MFEJDJOE D) EOJDJEFM

28) A student has to obtain 33% of the total marks to pass. He got 125 marks and failed by 40 marks. The maximum marks are :

A) 500 B) 600

C) 800 D) 1000

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29) If selling price is doubled, the profit triples. Find the profit percent ?

A) 100%

B) 200%

C) 300%

D) 400%

30) BEH, DGJ, (?), EJO, GLQ, INS,..... ?

A.FLR
B.FIS
C.FKO
D.FIL

31) RAP, MAP, HOT FUN, ...?

A.HNE

B.PGI

C.STN

D.CAT

32) In a group of five person A, B, C, D and E one plays Tennis, one plays Chess and one Hockey. A and D are unmarried women and play no game. There is a couple among them where E is husband of C. No women plays either Chess or Hockey. B is the brother of C and he neither plays Tennis nor Chess. Who plays Hockey here?

A.A

B.B

C.C

D.E

33) Anita and Geeta are experts in dancing and music. Seeta and Geeta are expert in music and painting. Anita and Neeta are expert in debate and dancing. Neeta and Seeta are expert in Painting and debate. Which girl is expert in all fields.

A. Anita
B. Seeta

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C. Geeta
D. None of these

34) Salaries of Ravi and Sumit are in the ratio 2:3. If the salary of each is increased by Rs. 4000, the new ratio becomes 40:57. What is Sumit's salary?

A) 38000
B) 46800
C) 36700
D) 50000

35) How many 4's are there preceded by 7 but not followed by 3?

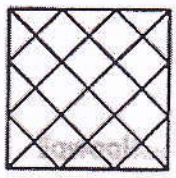
5 9 3 2 1 7 4 2 6 9 7 4 6 1 3 2 8 7 4 1 3 8 3 2 5 6 7 4 3 9 5 8 2 0 1 8 7 4 6 3

A) Four
B) Three
C) Six
D) Five

36) Two dice are tossed. The probability that the total score is a prime number is:

A) 5/12
B) 1/6
C) 1/2
D) 7/9

37) Find the number of triangles in the given figure.



A) 28
B) 32
C) 36
D) 40

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38) A bag contains 4 white, 5 red and 6 blue balls. Three balls are drawn at random from the bag. The probability that all of them are red, is:

A) 2/91 B) 1/22

C) 3/22 D) 2/77

39) If TOUR is written as 1234, CLEAR is written as 56784 and SPARE is written as 90847, find the code for CARE

A.1247
B.4847
C.5247
D.5847

40) In a code sign DRLAL is coded as 62014314. How CAMEL is coded ?

A.5315714
B.35729310
C.5313613
D.None of these

41) Monday : April : : Friday : ?

A.July
B.Saturday
C.August
D.Tuesday

42) Parrot : Cage : : Man : ?

A.Home
B.Motor Car
C.Prison
D.Forest

43) 1, 8, 4, 27, 9, ?

A.8

B.9

C.64

D.16

44) Find compound interest on Rs. 8000 at 15% per annum for 2 years 4 months, compounded annually

A) 2109

B) 3109

C) 4109

D) 6109

45) In a certain code, MEN is written as ABC and DARK is written as LSTZ. How can READ be written in this code?
a. TCSL
b. TBSL
c. TASL
d. TLSL

46) A committee of 5 persons is to be formed from 6 men and 4 women. In how many ways can this be done when at least 2 women are included ?

A) 196

B) 186

C) 190

D) 200

47) Rearrange the following parts (1, 2, 3 and 4) in proper sequence to obtain a correct sentence.

1. pending because it wasn't
2. Too many cases still lie
3. is the convict
4. confirmed that the accused really

a. 2, 1, 4, 3
b. 2, 3, 4, 1
c. 1, 4, 3, 2
d. 4, 2, 1, 3

48) Rearrange the following parts (1, 2, 3 and 4) in proper sequence to obtain a correct sentence.

1. our country
2. following greater than some
3. Salman Khan has a fan
4. of the best paid sports person in

ESE

a. 1, 3, 4, 2
b. 3, 4, 2, 1
c. 4, 1, 3, 2
d. 3, 2, 4, 1

49) A girl introduced a boy as the son of the daughter of the father of her uncle. The boy is girl's

- A) Brother
- B) Son
- C) Uncle
- D) Son-in-law

50) Vaunt : Flaunt :: Disparate : ?

- A) Similar
- B) Homogenous
- C) Contrast
- D) Alike

51) At what rate percent per annum will a sum of money double in 8 years.

- A) 12.5%
- B) 13.5%
- C) 11.5%
- D) 14.5%

52) A sum of money amounts to Rs.6690 after 3 years and to Rs.10,035 after 6 years on compound interest.find the sum.

- A) 4360
- B) 4460
- C) 4560
- D) 4660

53) If the cost price of 12 pens is equal to the selling price of 8 pens, the gain percent is ?

- A) 12%
- B) 30%

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C) 50%

D) 60%

54) 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

55) If you write down all the numbers from 1 to 100, then how many times do you write 3 ?

A) 11

B) 18

C) 20

D) 21

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