XCS-500(A)

48. In a family, the father ate half of a cake while the remaining half was divided equally among the 4 children. By what % was the father's share more than any of the children's share?

- (a) 200%
- (b) 400%
- (c) 300%
- (d) 100%
- 49. The Government increased the price of a commodity by 25% in a particular month. By what % should the price be decreased in the subsequent month in order to bring it back to its original value?
- (a) 80%
- (b) 50%
- (c) 25%
- (d) 20%
- 50. The number of seats in an auditorium is decreased by 20% and the price of a ticket is increased by 10%. If the auditorium has a capacity of 500 seats after the change, find the % change in the total collection per show:
- (a) 12% decrease
- (b) 2% decrease
- c) 10% decrease
- (d) No change

XCS-500(A)

F. No. : c-47

280

Roll No.

I

XCS-500(A)

B. TECH. (FIFTH SEMESTER) MID SEMESTER EXAMINATION, 2019

(ALL BRANCHES)

CAREER SKILLS

Time: 1:30 Hours

Maximum Marks: 50

- Note: (i) This question paper has 50 questions.

 Attempt all questions. Each question carries equal marks.
- (ii) It is compulsory to write the SET on the OMR.
- (iii) Calculator is not allowed

SET-A

Directions: Identify the error in the given sentences and mark the part containing the error as your option.

brown lettuce leaf cost (b) / wilted pickle and at Bernie's Burger Emporium. (c) No error (d)

5

XCS-500(A)

- muffins. (c) No error (d)
 On the sidewalk (a) / many little lizard (b) / are sunning themselves on the hot concrete. (c) No error (d)
- who love their Chevrolets and Buicks, (b) / he has always believed that General Motors make Even though Antonio has many friends (a) * lemons. (c) No error (d)
 - crumpled bills onto the floor where the dog like to play with money; (b) / the cat swats My dog Rio, together with Bruni the cat (a) /, shreds them to pieces (c) No error (d) 5
- that she has in her vacation fund (c). No Latoya isn't going to Daytona Beach (a) / for spring break because fourteen dollars is (b) all error(d)
- (b) / people refuse to read directions and frequently puncture their eardrums. (c) No Even though Johnson and Johnson warn (a) / consumers not to insert Q-tips into their ears, error (d)
- One should (a) /do your duty (b) / honestly ad sincerely. (c) / No error (d) ∞:
- Good students (a) / like you and he (b) / should study regularly. (c) / No error (d) 6

F. No. : c-47

- (b) 25%
- (c) 33.33%
- %09 (p)
- 45. The population ratio of Villages A and B in a certain year is 3:4. In the next year, the population of Village B increased by 20% and population of the 2 villages together in the first became equal to 72000. What was the total year?
- (a) 105000
- 00009
- 00006 3
- (d) None of these
- 46. If the radius of the base and the height of a right circular cylinder increase by 20% and decrease by 10% respectively, find the percentage change in the volume of the cylinder:
- (a) 8% increase
- (b) 29.6% increase
- (c) 44% increase
- (d) None of these
- 47. By what % is 30% of 50% of a number more than 45% of 20% of the same number?
- (a) Both are equal
- (g) e%
- (c) 66.66%
- T

P. T. O.

-) 12.5%
- (c) 16.66%
- (d) 20%
- 42. If the diameter of a circle decreases by 10%, circle? what will be the % change in the area of the
- (a) 21% decrease
- (b) 10% decrease
- 19% decrease
- (d) 20 % decrease
- 43. The price of petrol was first increased by 40% ₹ 63, find the price of petrol before the increase If the Price after the decrease in December was decreased by 25% in the month of December. in the month of November and subsequently in November:
- (a) ₹70
- (b) ₹55
- <u></u> ₹ 57
- (d) ₹.60
- 44. The ratio of the boys to girls in a class of 72 students is 5:4. If 75% of the boys and 18 girls qualified for an exam, what % of the class did not qualify for the exam?
- (a) 66.66%

- 10. You, he and I (a) / are (b) / in the wrong. (c) / No error (d)

XCS-500(A)

- 11. Only (a) / you and him (b) / can do this work fast. (c) / No error (d)
- 12. If I were him, (a) / I would not misbehave (b) /
- 13. Those two (a) / companies always (b) / help one another. (c) / No error (d) like this. (c) / No error(d)
- 14. The committee were (a) / divided in its opinion (b) / regarding this issue. (c) / No error (d)

incorrectly. underlined section of the sentence is written Write the letter of the answer choice in which the

- 15. Beaming satellite images (a) from Jupiter, a able to depict parts of the planet's atmosphere scientists, who, for the first (d) time ever, were (c) was a remarkable feat for a team of planet (b) notoriously difficult to photograph, that were hitherto unknown.
- 16. There (a) is many benefits to running because natural (c) stress-reducer; not only (d) do runners experience heart health, but lung it is both a rigorous (b) form of exercise and a functioning increases, too.
- 17. The spread of the sea turtle to (a) many reaches as signal that the sea turtle has become a more of the world's oceans (b) do not show (c) much climate change. robust species as (d) it does the effects of

F. No. : c-47

- reveal that parts of the Moon's surface (b) are 19. Careful analysis of pictures of the moon (a)
- Choose the correct option to make the sentence (c) markedly similar to parts of the (d) Earth's. grammatically correct:
- for another 20 minutes, they would have seen the movie. 20. If Maria and Sharon
- (a) would wait
- (b) waited
- (c) had waited
- (d) would have waited
- 21. If I got the reports earlier, I for the magazine.
- (a) will prepare
- (b) would prepare
- (c) had prepared
- (d) would have prepared
- Italian. 22. If we studied in Rome, we
 - (a) learnt
- (b) would have learnt
- (c) will learn
- (d) would learn

F. No. : c-47

6)

XCS-500(A)

- 38. P = ABC is a 3 digit natural number while Q is the number formed by reversing the digits of P. Then which of the following is definitely true?
 - (a) P is divisible by 9.
- (b) P + Q is divisible by 11.
- (c) Q P is a multiple of 9.
- (d) (P + Q)/2 is a multiple of 9.
- 39. In an Exam, a candidate got 35% marks and failed by 12 marks. If he had got 48% marks instead, he would have got 14 marks more than the passing marks. Find the passing marks:
 - 96 (a)
- 82 9
- (c) 200
- (d) None of these
- 40. If all the mentioned values are increases, which among the following will lead to the maximum percentage change?
- (a) 10%, 10%
- (b) 19%, 1%
- (c) 17%, 3%
- (d) All of them are equal
- 14.28%. By what % should the consumption be reduced so that the overall expenditure is 41. The price of a commodity increases by constant?
- (a) 14.28%

F. No.: c-47

XCS-500(A)

		34.
diff	is 7.	34. The LCM of 2 numbers is 105 and their HCF
difference between the 2 numbers:	If	LC
	one	M o
	of	f 2 1
en tl	the	lami
ne 2	nun	oers
nun	ber	is 1
ıber:	Sis	05
•••	21,	but.
	fin	their
	is 7. If one of the numbers is 21, find the	HC
	<u></u>	77

- <u></u> Ç

(d) 21

- 35. How many numbers exist from 1 to 200 such that the remainder when divided by either 5 or 7 is 4?
- (a) 5
- (b) 7
- **©**
- (d) 6

36. Find the LCM of 2/3, 6/5 and 4/7?

- (a) 12
- (b) 6/105
- (c) 2/105
- 37. What is the largest scale that can be used to measure 1 m and 5 cms, 2 m and 40 cms and

- (d) 3 cms
- 75 cms?

- (a) 7 cms
- (c) 15 cms (b) 5 cms

- 23. If Mark and Peter in our Football team. here, they would play

(5)

XCS-500(A)

- (a) had been
- (b) will be
- (c) were
- (d) would have been
- him to my wedding reception. my batch mate, I would invite
- (a) was
- (b) had been
- (c) were
- (d)
- 25. If India played harder, it the tournament better at
- (a) would have been
- (b) were
- (c) would be
- (d) will be
- 26. Find the largest 3 digit number which gives a remainder of 2 when divided by 3, 4 and 5:
- (a) 902
- (b) 962
- (c) 992
- (d) None of these

- (a) 7
- (b) 3
- o ල
 - 8 (p)
- is a 2 digit number, how many values can it 28. A boy had certain number of candies. If he divides it between himself and his 2 siblings, there are 2 toffees that would remain. But if he also includes his parents, there would be no candies left. Given that the number of candies assume?
- (a) 5
- (b) 7
- 9 (3)
- 6 (p)
- obtained by reversing the digits is 55. If the digit in the ten's place is one more than the digit in the unit's place, find the remainder 29. The sum of a 2 digit number and the number when the number is divided by 4:
- (a) 0
- 9
- <u>ම</u>
- Ð

F. No. : c-47

30. Find the Remainder when $1457 \times 2968 \times 1379$ is divided by 4:

XCS-500(A)

(7)

- (a) 0
- **(**
 - (c) 2
- (d) 3
- 31. A number when divided by 15, gives a remainder of 11. Find the remainder when twice the number is divided by 3?
- (a) 0
- **e**
- (c) 2
- (d) Cannot be determined
- 32. Find the total number of factors of 72:
- (a) 12
- (b) 10
- <u>ම</u>

9 (p)

- 33. The value of a 2 digit number like 12 increases by 9 when the digits are reversed. How many other such 2 digit numbers exist?
- (a) 6
- (b) 7
 - <u>ම</u>
- T