Direction (O. 1-O. St : Chapase the

XCS-600/601(A)

B. TECH. (SIXTH SEMESTER). MID SEMESTER EXAMINATION,

April/May, 2022

(All Branches)

CAREER SKILLS

Time: 11/2 Hours

Maximum Marks: 50

Instructions for students:

- (1) This paper consists of 50 questions.
- (2) All questions are compulsory.
- (3) Each question carries equal marks.
- (4) Calculator is not allowed.
- (5) There is no negative marking.
- (6) It is compulsory to mention the SET in the

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in the same in the same of the

XC2-200(201(V)

(2)

SET-A

Direction (Q. 1-Q. 5): Choose the correct alternative for the underlined part of the sentence and mark that as your answer.

- 1. The number of school drop-outs are increasing at an alarming rate in most of the schools in northern areas of California.
- (a) The number of school drop-outs are increasing at
- (b) The number of school drop-out are increasing at
- (c) The number of school drop-outs is increasing at
- (d) The number of school drop-outs are increasing with
- 2. The <u>majority of the lecturers believe</u> that the student has not copied in the examination:
- (a) The majority of the lecturers believe
- (b) The majority of the lecturers believes
- (c) The majority of the lecturers has believed
- (d) The majority of the lecturers has to believe

(3) XCS-600/601(A

- More than one successful candidate have cleared the examination for one of the popular IT companies in South Delhi. a saw
- (a) More than one successful candidate have
- (b) More than one successful candidate has
- (c) More than one successful candidates have
- (d) More than one successful candidates has
- 4. Many senior members now believe that the disagreement in the party over education issues decrease the possibility that significant action will be taken this year to combat the rising cost of higher education.
- (a) issues decrease the possibility for significant action being taken
- (b) issue decrease the chances of action being undertaken have the chances of action being
- (c) issues decreases the possibility for significant action being undertaken
- (d) issues decreases the possibility that significant action will be taken

ACS - FUNDRED

as we diligent men who perform the task. 5v.5. David, the owner of this cafe, is one of the

- (a) who perform the task. sinsquios The
- sace (b) who performs the task and smooth (8)
- (d) who has performed the task. (c) who is performing the task.
- find out whether there is any error in it. The error, Direction (Q. 6-Q. 11) : Read the sentences to letter of that part is the answer. if any, will be in one part of the sentence. The
- 6. Susan is one of those students (a) / who questions to the instructor (b) / for every chance that (c) / she gets. (d) asks
- 7. Each of these women feel that (a) / she had amso (c) / the delicate and expensive dresses. (d) read the care instructions (b) / before washing
- (a) / it is both a rigorous form of exercise and a There are many benefits to running because experience good health, (c) / but lung natural stress-reducer; (b) / not only do runner functioning increases, too. (d)

- XCS-englent(9) (5) XCS-600/601(A)
- 9. If we have read the reviews more carefully, (a) / we would have understood that the hospitals (b) / in this city rob people without
- (c) / giving any proper treatment. (d)
- an aupoint to her guilt. (d) How som bluow I (c) 10. Even though the jury (a) / wants to believe that Loch Ness Monster, (c) /much of the evidence (b) / the defendant did not feed Elvis to the
- 11. My dog Rio, together with Cherry the cat swats crumpled bills onto the floor (c) / where (a) /, like to play with money; (b) / the the dog shreds them to pieces. (d) cat
- the sentence has an error. Mark that part as your Direction (Q. 12-Q. 16): Find out which part of (a) MO GLIDL
- answer.
- 12. (a) If I had funds a broth nessel part (a) di
- (b) I would have purchased bluck I (d)
- (c) that grand mansion. zid) (pintos (s)
- (d) No error

(d) Mo error

sidt ni \(d) zhuigaod

- (c) you will get purple.
- (d) No error
- 14. (a) If I were jour bab instantible but \ (d)
- (b) the speaker of Lok Sabha,
- the house. The prise of a gon who is (c) I would not tolerate any pandemonium in
- (d) No error and the rising of sall A(s)
- 15. (a) The water in the pool
- (b) would have been warmer प्रदेश होता वह अंदर्भ प्रदेश हैं हैं। इस सम्बद्ध 21、3)在设置的时代
- (c) if the sun would have shone more often.
- (d) No error

STORES.

- 16. (a) Had I been more careful,
- (b) I would not stored south bluegat (d)
- (c) commit this blunder. Strang and (9)
- (d) No error

(d) No 03101

XCZ-COURCOTTY) (7) XCS-600/601(A)

Direction (Q. 17-Q. 25): Fill in the blanks with the most appropriate option. bestioned (0)

17. Shakespeare, a(n) ____ 21 plays. Insigiffs-loui allsma a guizood 0.00 audiences by writing many tragic and comic writer, entertained

- problem for bono profilege
- (b) generic
- (c) dutiful

(a) sendonne

arcipat (d)

(d) prolific

18. The_____ noises made for war now,

were silent then. (a) indispensable

(d) judicions

- of un(b) bellicose & saw sousia a man is an
- (c) digressive s surviva at least leader give
- (d) propulsive
- 19. Over the years the Wilsons slowly (a) upon the Jacksons' property, moving the stone markers that divided their lots farther and farther onto the Jacksons' land.
- (a) encroached

	(c) tactful	(b) scintillating and enceded out soon	(a) treacherous Wed they end tovo el	meeting.	speak later in private about events of the	21. Ram's glance was ainvitation to	(d) judicious	Continue a second and a second a second and a second a second and a second a second and a second a se	(c) unhallowed	(b) tedious	(a) sardonic	graduate.	purchase for a recent college	Choosing	(d) repudiated		Hiv, (b) jettisoned Hiv (Ex. Q. 71. Q) without	(8) XCS-600/601(A)	
(a) bc			(a) pla	their tru		24. It is he	· cor	(c) pro	(b) con	apl	never se	23. I have a	(d) acti		(a) pro	by conti	a hero a	(A)100 (000 -83)	

(c) ire	(a) platitude	their trust.	with their	4. It is helpful for salesmen to develop a	(d) compunction and usual Surface	(c) propriety	(b) confluence	(a) aplomb	3. I have always admired Seymour's never seen him rattled by anything	(d) activist	(c) façade	(b) enigma	(a) protagonist	by continually professing his love for Juliet.	a hero able to capture the audience's sympathy	As the in R	BANNO - 8.3% (01(9)
			custo	lesme	I E	2000	(1°		ed Se	A a	· 55.	66		ssing l	e the	omeo	9
Scientific Company	~ ~ 1 × 4 × 600 × 400 ×	18 (S) (S)	with their customers in order to gain	n to develop a good	ri iz-oniv 0.2. G	probability that	11. E. BELLIERE	y	ymour's; I've	videvido (o).	contribute (d)			his love for Juliet.	audience's sympathy	in Romeo and Juliet, Romeo is	XCS-600/601(A)

(a) charlatan

(b) slothfulness

(d) timiduumys sammed Seymunbimit (b)

(c) chivalry

(ii) sectivist

26. The probability that a student revises for the GATE exam is 0.3. If a student revises, the probability that he/she qualify is 0.8, otherwise it is only 0.2. Given that a student qualified the GATE exam, find the probability that the student revised.

(a) 6/25

Heir mark

(b) 12/19

(c) 13/23

(d) 16/31

dominized (b)

shutitalq (a)

(c) inc (p) gabbon

(11) XCS-600/601(A)

XCS-spendicti(y)

27. Three fair coins were tossed simultaneously.
What is the probability of getting 2 heads?

(a) 1/8 cm put to every

(6) 1113

(a) protagonist

(b) carigms

(c) 52 65 (d)

bennio ud 1/2 madieun nove tigib ĉ viisin woH .08

(d) 3/4 swells for a aligib to nobusque in

28. In a given race, the odds in favour of horses H1, H2 and H3 are 2:3, 1:3 and 1:4 respectively. What is the probability that one of them wins the race?

(a) 0.65

are transfer of the least of the least of the bridge of th

elew(c) 10.85 and nous begaste ed 110 & AAM

(d) cannot be determined a residue avenue

29. Out of 15 students of a class, 8 are boys and 7 are girls. Two students were selected for a job. In how many ways the selection can be done if 1 boy and 1 girl were selected?

(a) 56

- g (c) 112 ming to yillidedong edizi hadiy
- (d) 102

3/8

- 30. How many 3 digit even numbers can be formed if repetition of digits is not allowed?
- (a) 504 a short race, the odd able to make a mi .80
- to जन(c) 648 idsdorq अप्ते सं उद्योग , एरिएमोक्स्यूडन (b) 729 1 E : S 978 EH bits SH JE
- (d) 512

Steam William (No Tace ?

(8) 0.65

- 31. In how many ways can the letters of the word MANAGE be arranged such that all the vowels always appear together 255 5d 1000185 (b)
- but (a) d 720 8 saulo is to autobute at to the Ass
- is not(b) 120° siste anobute ovil alug sus l
- (c) 84 (c) 84 S bedeeles energisis fibres and l'Hi enob
- (d) 72

(A) 100 (13) (13) XCS-600/601(A)

- 32. There are 11 boys and 8 girls in a class. What student gives gift to every other student of same gender? is the total number of gifts exchanged if each
- $(a)_{13}^{11}P_2+{}^8P_2$ added over added oriestab
- (b) 10°C2 hair dilidadorg set ai sad 7 .mobilen

bulbs are defective?

- (d) ${}^{11}C_2 + {}^8C_2$
- 33. How many total 4-digit numbers are there if repetition of digits is not allowed and the number is divisible by 5? 02 E (b)
- (a) 1008 Sumozasi issimedi e se stafi de
- (b) 896 an adopt dailynd leaderstron +
- ян алоод sdf эзнять наэ эм зуву унын мод (c), 952 (d) None of the above to these of the orthogonal bases and the orthogonal bases are the second of the orthogonal bases are the orthogonal bases ar shelf (in a row) such that no 2 Eugh
- 34. If there are 5 parallel horizontal lines and 6 parallel vertical lines in a plane, what is the number of possible rectangles?
- (a) 75 ···

(4) (5)

-(c) 225 ਸ਼ਰੂਰਜ਼ ਹੈਹਨ। ਜੀ ਹੈ ਜਿਸ ਜ਼ਰੂਰਜ਼ ਵਿਸ਼ਹ ਨਹੀਂ। ਤੋਂ

(d) (300 te ratio creva of flig earlig inabite

35. A box contains 5 defective and 15 nonrandom. What is the probability that both the bulbs are defective? defective bulbs. Two bulbs are chosen at (a) (b) (b) (4) 11 CT + CT

(a) 1/20

(b) 1/19 35. From many total 4-digit numbers

 $_{\rm e}({
m c})$ 3/19 $_{
m const.}$ 100 at all sub-to-models to

(d) 3/20

36. There are 6 identical Reasoning books and are adjacent to each other? shelf (in a row) such that no 2 English books how many ways we can arrange the books in a 4 non-identical English books in a library. In e e of eldigivib; a nederic

(a) 461 x 7C4 corned following & one stady it 48

 $^{\circ}$ (b) $^{\circ}$ (10!/6!) \times 7 P₄ in solid holmov following c

(c) ⁷C₄

number of possible rectangles

(d) $^{7}P_{4}$

(A)108\000 857 (15)3) XCS-600/601(A)

37. In how many ways 10 boys and 9 girls of a class can be seated around a circular table?

(a) 19!

176 (9)

(b) 18! The state was seen the seed of the control of the control

(e) 10! +9! Habid f groups aligned holinabi

(d) 9! × 8!

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38. What is the probability that a two-digit number selected at random will be a multiple of '3' and not a multiple of '5'?

(a) 2/15

(b) 14/15 (c) of our streether to be called the first set. The

(d) 23/45 or man aich agaw vrosin wod di Jest (c) 11/45 and only only to revolute this the

39. Out of 17 applicants, 8 are boys and 9 are girls. Two persons are to be selected for the job. Find the probability that at least one of the selected persons will be a girl. (0) 188

(a) 27/34

P. T. O.

861

- (с) 19/34 тельото в римоте развог од пво зевја
- (d) 21/34
- 40. In how many ways we can distribute 8 get at least 1 pencil? identical pencils among 3 kids if each kid must
- (a) 10C2 TIL-OWL & ISSY WILLIAMS GOID ON SET TONGE 188
- (c) ⁸P₃ (b) ំC₃។ ជម្រើបល់ ១ ១៩ ម៉ែល លេខ២៤នា វន្ទ ២នាំបន្ទាំទុខ
- (d) ${}^{7}C_{2}$
- 41. The team of 7 students is to be formed out of most two boys are included? fest. In how many ways this can be done if at 7 girls and 5 boys for the upcoming college
- (a) 210 That persons are to be actually
- (b) 246
- <u></u> 188

rejected between will be a first

(d) 168

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- XC8-4048801(18) (17) XCS-600/601(A)
- 42. In a class of 50 students 30 were passed in English and 25 were passed in Hindi. 10 passed in English only? students were passed in both the subjects. What is the probability that a student of class is

(3) [9]

(a) 0.3

THE STANTON

(b) 0.35

(5) (7)

- tell in (c) e0.4 and remons, enegated years work the
- on d(d) 0.45 के का तथा उपका उपका वाका

not a multiple of 5.3

- 43. The probability that Akram will solve the will solve it is 2/3. What is the probability that problem is 1/2 and the probability that Brijesh them? the problem will be solved by exactly one of
- (a) 1/2

(B) 21/6

- (b) 1/3 the probability that I belt and to reserve a from bear of american gard Audit
- (c) 1/4
- (d) 1/5

(a) NATH

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X & Selling (V)

exactly one of them is a multiple of 6? of from the first 20 natural numbers such that 111 44. In how many ways can 3 numbers be selected

- is seed $(a) \cup_{\Gamma} \mathbb{C}_2$ but is that the declaration of a
- (b) ²⁰C₃

I duo deligned of bosesq

- (c) ${}^{3}C_{1} \times {}^{17}C_{2}$
- (d) ${}^{3}C_{1} + {}^{17}C_{2}$

- 45. How many integers, greater than 999 but not allowed? (a) 499 selfon shi bus SAL ai maldorg. digits 0, 1, 2, 5 and 7, if repetition of digits is greater than 7000, can be formed with the
- (b) 501
- (c) 399 the problem will be solved by
- (d) 376

CHAN S

- 46. A bag contains 9 red and 6 green balls. What is the probability that 3 balls are red and 2 are green if 5 balls are drawn at random?
- (a) 8/19

(b) 19/41

XCS-600/601(A)

(19)

- (c) 41/60
- (d) 60/143
- 47. If A and B be two events in a sample space such that P(A) = 2/5, P(B) = 1/2 and P(A ∩ B) ? $P(A \cup B) = 3/5$. What is the value of
- (a) 0.3
- (b) 0.1
- (c) 0.4
- (d) 0.9
- 48. Two cards are to be chosen randomly from the pack of 52 cards. What is the probability of getting 2 spade cards with replacement?
- (a) 1/17
- (b) 1/16
- (c) 1/15
- (d) 1/14