XCS–300

B. Tech. (Third Semester)
End Semester EXAMINATION, 2017

(All Branches)

CAREER SKILLS

(Set-A)

Time : Three Hours]   [*Maximum Marks : 100*

Note : (i) Answer all questions. Each question carries 1.25 mark.

(ii) Use of Calculator is not allowed.

Direction for questions 1 to 3 :

The Captains of the 4 Teams participating in the Asia Cup Tournament have assembled for a group photograph. The Teams are India, Pakistan, Sri Lanka and Bangladesh. They are wearing their national caps which are Blue, Green, Maroon and Orange in colour not in any order. Further information is as follows :

(i) The Indian captain is 2nd to the left of the person with the Blue coloured cap.

(ii) The person at the extreme left of the arrangement is wearing the green coloured cap.

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(iii) The Pakistan Captain and the Indian captain are not at adjacent positions.

(iv) The Bangladesh captain is wearing the Orange coloured cap.

(v) The Sri Lankan Captain has the person wearing blue coloured cap seated to his immediate left.

1. The captain of which country is wearing the Green coloured cap ?

   (a) India

   (b) Pakistan

   (c) Sri Lanka

   (d) Bangladesh

2. The person to the immediate right of the Indian captain is wearing the cap of which colour ?

   (a) Orange

   (b) Green

   (c) Blue

   (d) Maroon

3. What is the position of the Sri Lankan captain counting from the rightmost end of the arrangement ?

   (a) 2nd

   (b) 3rd

   (c) 4th

   (d) None of these

4. A is richer than B but not as rich as D. D is poorer than C who in turn is poorer than F. If F is richer than E, then who among them is the richest ?

   (a) E

   (b) C

   (c) F

   (d) D

5. Complete the series 35, 105, 315, ?

   (a) 963

   (b) 729

   (c) 693

   (d) None of these

6. Showing a photograph of a man a lady said to a girl, "He is the father of your father's wife's only brother's son." How is the girl's mother related to the man's wife ?

   (a) Sister

   (b) Aunt

   (c) Sister-in-law

   (d) Daughter

Direction for questions 7-8 :

In a family, there are 8 people L, M, N, O, P, Q, R and S across 3 generations. There are 2 married couples among them. Further conditions are as follows :

(i) P is the grandmother of O and the mother-in-law of S.

(ii) L, the brother of N is the only maternal uncle of O.

(iii) Q is the mother of R.

(iv) M is the father of N.

(v) There are 3 siblings in 1 generation and 2 siblings in another generation.

7. If the children in the 3rd generation are not counted, exactly how many male members are there in the family ?

    (a) 3

    (b) 4

    (c) 5

    (d) Cannot be determined

8. How is R related to N ?

    (a) Nephew

    (b) Niece

    (c) Daughter

    (d) Cannot be determined

9. If Cycle is called Bus, Bus is called Train, Train is called Ship and Ship is called Plane, which of the following runs on rails as per the language ?

    (a) Train

    (b) Bus

    (c) Ship

    (d) Cycle

10. I walked in the North direction for 20 m, turned left to walk 5 m again turned left walked for 25 m and stopped. How far am I from the starting point ?

    (a) 10 m

    (b) 5.75 m

    (c) 20 m

    (d) $5\sqrt{2}$ m

11. If ACCOLADE is coded as BEFSQGKM in a certain language, how will DECREASE be coded in the same language ?

    (a) EFESFBTF

    (b) EGFVJGZM

    (c) EFFVJGZM

    (d) EGFVIHZM

Direction for questions 12-13 : What will be the next term in the following alpha-numeric series ?

12. 1K1, 1L2, 1N4, 1Q7,

    (a) 1R8

    (b) 1S9

    (c) 2T0

    (d) 2U1

13. BC5, E5, GK18, M13, ...

    (a) QS36

    (b) UV43

    (c) TU42

    (d) Q17

Direction for questions 14 and 15 :

4 couples are playing a game called "Across the Table" in which there are 4 teams and 2 players in each team. The profession of the Husbands are Engineer, Doctor, Lawyer and Sportsman while the profession of the wives are Housewife, Doctor, Teacher and Architect either data not being in any particular order. Further information is as follows :

(i) None of the Husbands are teamed with their wives.

(ii) Every team consisted of a Male and a Female.

(iii) No person is married to someone from the same profession.

(iv) Team A consisted of the Architect and the Doctor.

(v) The Engineer is married to the Teacher and one of them is in Team D.

(vi) The Doctor is in Team C while the Lawyer is in Team D.

14. Who is the Lawyer married to ?

    (a) Architect

    (b) Doctor

    (c) Housewife

    (d) Cannot be determined

15. The Teacher is in which team ?

    (a) A

    (b) B

    (c) C

    (d) D

16. If Raj is the Father of the daughter of Rohan's sister, then how is Rohan's Mother related to Raj ?

    (a) Aunt

    (b) Mother-in-law

    (c) Mother

    (d) Sister

17. If + means –, – means / and / means ×, then find the value of the expression $2/12 + 6 – 7$.

    (a) 12/7

    (b) 7/12

    (c) 24/7

    (d) 162/7

18. Complete the series 4, 9, 20, 43, ?

    (a) 129

    (b) 90

    (c) 126

    (d) 75

19. If "DECLARE" is coded as "CEDLERA" in a particular language, how will "DECODES" be coded in the same language ?

    (a) CEDDESO

    (b) CEDOSED

    (c) SEDOCED

    (d) None of these

20. If Mehu is the daughter of the only daughter of Reyu's paternal grandfather's wife, then how is Mehu's brother related to Reyu's father ?

   (a) Son

   (b) Uncle

   (c) Nephew

   (d) Father

21. Pointing to a photograph of a girl, a lady said to a boy, "She is the sister of the son of your father's wife's husband." How is the girl's brother related to the boy ?

   (a) Brother

   (b) Son

   (c) Uncle

   (d) Cannot be determined

22. Complete the series 3, 15, 35, 63, ?

   (a) 74

   (b) 87

   (c) 89

   (d) 99

23. A man starts from his house which faces North. He walks straight for 10 m, turns right to travel 5 m, again turns right walks for 3 m and stops. How far is he from the starting point ?

   (a) 9 m

   (b) 10 m

   (c) $\sqrt{74}$

   (d) $\sqrt{89}$

Direction for questions 24 to 26 :

Ajay, Bindu, Chandra, Deepak, Elena, Fanish and Govind are playing cards sitting around a circular table. Additional information is as follows :

(i) Deepak is not neighbour of Chandra or Elena.

(ii) Ajay is neighbour of Bindu and Chandra.

(iii) Govind, who is second to the left of Deepak, is the neighbour of Elena and Fanish.

24. Which of the following is correct ?

   (a) Bindu is between Ajay and Deepak

   (b) Deepak is between Fanish and Govind

   (c) Elena is to the immediate right of Govind

   (d) Fanish is to the immediate left of Govind

25. Which of the following will be Deepak's position after Elena and Deepak interchange their places ?

   (a) Neighbour to Govind and Chandra

   (b) To the immediate right of Fanish

   (c) Neighbour to Chandra and Ajay

   (d) To the immediate left of Chandra

26. Which of the following is wrong ?

   (a) Ajay is to the immediate right of Bindu

   (b) Bindu is to the immediate left of Deepak

   (c) Fanish is between Govind and Deepak

   (d) Elena is between Govind and Chandra

Direction for questions 27 to 29 :
Eight peoples — E, F, G, H, J, K, L and M — are sitting around a circular table, facing the center. Each of them is of a different profession — Chartered Accountant, Columnist, Doctor, Engineer, Financial Analyst, Lawyer, Professor and Scientist, but not necessarily in the same order. F is sitting second to the left of K. The Scientist is an immediate neighbour of K. There are only three people between the Scientist and E. Only one person sits between the Engineer and E. The Columnist is on the immediate right of the Engineer. M is second to the right of K. H is the Scientist. G and J are immediate neighbours of each other. Neither G nor J is an Engineer. The Financial Analyst is on the immediate left of F. The Lawyer is third to the right of the Columnist. The Professor is an immediate neighbour of the Engineer. G is second to the right of the Chartered Accountant.

27. Who is sitting second to the right of E ?

   (a) The Lawyer

   (b) G

   (c) The Engineer

   (d) F

28. Who among the following is the Professor ?

   (a) F

   (b) L

   (c) M

   (d) K

29. What is the position of L with respect to the Scientist ?

   (a) Third to the left

   (b) Second to the right

   (c) Second to the left

   (d) Third to the right

Direction for questions 30-31 :
The Head of a newly formed Government desires to appoint five of the six elected members A, B, C, D, E, and F in the portfolios of Home, Power, Defence, Telecom and Finance. F does not want any portfolio if D gets one of the five. C wants either Home or Finance or no portfolio. B says if D gets either Power or Telecom, then she must get the other one. E insists on a portfolio if A gets one.

30. Which is a valid assignment ?

   (a) A-Home, B-Power, C-Defence, D-Telecom, E-Finance

   (b) C-Home, D-Power, A-Defence, B-Telecom, E-Finance

   (c) A-Home, B-Power, E-Defence, D-Telecom, A-Telecom, F-Finance

   (d) B-Home, F-Power, E-Defence, C-Telecom, A-Finance

31. If A gets Home and C gets Finance, which is not a valid assignment for Defence and Telecom ?

   (a) D-Defence, B-Telecom

   (b) F-Defence, B-Telecom

   (c) B-Defence, E-Telecom

   (d) B-Defence, D-Telecom

32. On a warm and sunny day, 2 people are standing facing each other in the evening. If A is facing the North direction, on which side will the shadow of B be formed ?

    (a) To his right

    (b) Behind him

    (c) In front of him

    (d) To his left

Direction for questions 33 to 35 :

The top 5 scorers of IPL 2016 were being photographed. Their names were Dilshan, Maxwell, Dhoni, Kohli and Gayle not in any order. They were representing 4 teams Avengers, PK, BCR and Bingo such that each team had at least 1 representation in the top 5 positions. The players were wearing T-shirts with numbers 7, 10, 15, 18 and 21 not in any particular order. Further conditions is as under :

(i) Starting from the left, the players were occupying positions in the order in which they scored in IPL i. e. highest scorer of IPL 2016 occupied the 1st place and so on.

(ii) Gayle is not from Bingo and had only 1 person sitting next to him.

(iii) The person with number 18 occupied the 4th position.

(iv) Team BCR had 2 players and both are among top 3 scorers of IPL 2016.

(v) Dhoni represents Avengers and was 3rd highest scorer of IPL 2016.

(vi) Dilshan wearing number 7 finished was 5th highest scorer of IPL 2016.

(vii) While the T-shirt number of one of the BCR players was greater than that of Maxwell, the T-shirt number of the other was lower than that of Maxwell.

33. If Dilshan represents PK, then which team is represented by Maxwell ?

    (a) Bingo

    (b) BCR

    (c) Avengers

    (d) PK

34. If Kohli wears T-shirt number 15, what is the number worn by Gayle ?

    (a) 10

    (b) 18

    (c) 21

    (d) Cannot be determined

35. Which player represents Team Bingo ?

    (a) Kohli

    (b) Maxwell

    (c) Dilshan

    (d) Cannot be determined

Direction for questions 36–37 :

5 students, Aman, Bimal, Celina, Deepak and Eshita treated each other at different restaurants in the city to celebrate their birthdays. The treats were at KFC, MacDonalds, Haldiram, Bikaner and Dosa Plaza, not in any order. Each place specializes in exactly one of the following items :

Chicken, Lassi, Dosa, Shakes and Coffee, not in any order, and is located at Bazaar, Chowk, Bus Stand, Sabzi Mandi and City Centre not in any order.

Further conditions are as follows :

(i) Celina treated with Lassi but neither at Haldiram nor Dosa Plaza.

(ii) Bikaner specializes in Shakes and is located at Bazaar.

(iii) Eshita treated with Coffee at City Centre.

(iv) Neither Bimal nor Deepak treated with Dosa.

(v) The Outlet at Chowk is known for it's Lassi.

(vi) KFC is located at Sabzi Mandi and is famous for Dosa.

(vii) Deepak gave the treat at Haldiram.

36. Who treated his/her friends with Chicken ?

  (a) Aman

  (b) Bimal

  (c) Celina

  (d) Deepak

37. Who gave treat at Sabzi Mandi ?

  (a) Aman

  (b) Bimal

  (c) Celina

  (d) None of these

Direction for questions 38 to 40 :

(i) Five girls — Seema, Reema, Neeta, Mona and Veena have total five tickets of movie theatres— Priya, Chanakya, M2K, PVR Saket, Satyam where movies — Gangster, Khiladi, Hero, Salaam Namaste and Iqbal are currently playing. Each girl has one movie ticket of one of the five theatres.

(ii) Movie Gangster is running in Priya theatre whose ticket is not with Veena and Seema.

(iii) Mona has ticket of Iqbal movie.

(iv) Neeta has ticket for the M2K theatre. Veena has the ticket of Satyam theatre where Khiladi is not running.

(v) In PVR Saket theatre, Salaam Namaste is running.

38. Which is the correct combination of the Theatre - Girl - Movie ?

  (a) M2K - Neeta - Hero

  (b) Priya - Mona - Gangster

  (c) Satyam - Veena - Iqbal

  (d) PVR Saket - Seema - Salaam Namaste

39. Which movie is running in Chanakya ?

  (a) Gangster

  (b) Iqbal

  (c) Hero

  (d) Data inadequate

40. Who is having the ticket of the movie Hero ?

  (a) Reema

  (b) Veena

  (c) Seema

  (d) Mona

Direction for questions 41 to 44 : Each question consists of two words which have a certain relationship to each other followed by four pairs of related words. Select the pair which has the same relationship.

41. WAN : COLOUR
    (a) corpulent : weight
    (b) insipid : flavor
    (c) pallid : complexion
    (d) enigmatic : puzzle

42. PORK : PIG
    (a) rooster : chicken
    (b) mutton : sheep
    (c) steer : beefd
    (d) lobster : crustacean

43. AFTER : BEFORE
    (a) first : second
    (b) present : past
    (c) contemporary : historic
    (d) successor : predecessor

44. INDIGENT : WEALTHY
    (a) angry : rich
    (b) native : affluent
    (c) gauche : graceful
    (d) scholarly : erudite

Direction for questions 45 to 48 : In the following questions choose the word which is the exact OPPOSITE of the given words :

45. EXPAND
    (a) Convert
    (b) Condense
    (c) Congest
    (d) Conclude

46. MORTAL
    (a) Divine
    (b) Immortal
    (c) Spiritual
    (d) Eternal

47. QUIESCENT
    (a) Active
    (b) Dormant
    (c) Weak
    (d) Unconcerned

48. EVASIVE
    (a) Free
    (b) Honest
    (c) Liberal
    (d) Frank

Direction for questions 49 to 52 : Choose the correct meaning of proverb/idiom :

49. To cry wolf
    (a) To listen eagerly
    (b) To give false alarm
    (c) To turn pale
    (d) To keep off starvation

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50. To end in smoke

    (a) To make completely understand

    (b) To ruin oneself

    (c) To excite great applause

    (d) To overcome someone

51. To be above board

    (a) To have a good height

    (b) To be honest in any business deal

    (c) They have no debts

    (d) To try to be beautiful

52. To put one's hand to plough

    (a) To take up agricultural farming

    (b) To take a difficult task

    (c) To get entangled into unnecessary things

    (d) Take interest in technical work

Directions for questions 53 to 56 : Find the correctly spelt words :

53. (solve as per the direction given above)

    (a) Treachrous

    (b) Trecherous

    (c) Trechearous

    (d) Treacherous

54. (solve as per the direction given above)

    (a) Forcast

    (b) Forecaste

    (c) Forcaust

    (d) Forecast

55. (solve as per the direction given above)

    (a) Rigerous

    (b) Rigourous

    (c) Regerous

    (d) Rigorous

56. (solve as per the direction given above)

    (a) Palete

    (b) Palet

    (c) Palate

    (d) Pelate

Direction for questions 57 to 60 : In the following questions choose the word which best expresses the meanings of the given words :

57. CANNY

    (a) Obstinate

    (b) Handsome

    (c) Clever

    (d) Stout

58. ALERT

    (a) Energetic

    (b) Observant

    (c) Intelligent

    (d) Watchful

59. WARRIOR

    (a) Soldier

    (b) Sailor

    (c) Pirate

    (d) Spy

60. DISTANT

   (a) Far

   (b) Removed

   (c) Reserved

   (d) Separate

Direction for questions 61 to 64 : Choose the right option :

61. Many a bride .... been burnt and killed for dowry.

   (a) has

   (b) have

   (c) are

   (d) is

62. Each of these players .... been warned not to repeat the silly mistake.

   (a) has

   (b) have

   (c) are

   (d) is

63. Lime and soda .... a digestive drink.

   (a) has

   (b) have

   (c) are

   (d) is

64. The mother as well as her children .... brought to the police station for interrogation.

   (a) has

   (b) were

   (c) are

   (d) was

Direction for questions 65 to 68 : Choose the correct verb :

65. I _____ something burning.

   (a) smell

   (b) am smelling

   (c) have been smelling

   (d) None of the above

66. Look ! The sun _____ over the hills.

   (a) rises

   (b) is rise

   (c) is rising

   (d) None of the above

67. She _____ unconscious since four o'clock.

   (a) is

   (b) was

   (c) has been

   (d) None of the above

68. He used to visit us every week, but he _____ now.

   (a) rarely comes

   (b) is rarely coming

   (c) has rarely come

   (d) None of the above

Direction for questions 69 to 80 : Fill in the blank to make the sentence meaningful and complete :

69. Fate smiles .... those who untiringly grapple with stark realities of life.

    (a) with

    (b) over

    (c) on

    (d) round

70. The miser gazed .... at the pile of gold coins in front of him.

    (a) avidly

    (b) admiringly

    (c) thoughtfully

    (d) earnestly

71. Catching the earlier train will give us the .... to do some shopping.

    (a) chance

    (b) luck

    (c) possibility

    (d) occasion

72. I saw a .... of cows in the field.

    (a) group

    (b) herd

    (c) swarm

    (d) flock

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73. Success in this examination depends .... hard work alone.

    (a) at

    (b) over

    (c) for

    (d) on

74. My uncle decided to take .... and my sister to the market.

    (a) I

    (b) mine

    (c) me

    (d) myself

75. If you smuggle goods into the country, they may be .... by the customs authority.

    (a) possessed

    (b) punished

    (c) confiscated

    (d) fined

76. Man does not live by .... alone.

    (a) food

    (b) bread

    (c) meals

    (d) diet

C-40

P. T. O.

77. Rohan and Rohit are twin brothers, but they do not look ....

    (a) unique

    (b) different

    (c) likely

    (d) alike

78. To err is .... to forgive divine.

    (a) beastly

    (b) human

    (c) inhuman

    (d) natural

79. The ruling party will have to put its own house order.

    (a) in

    (b) on

    (c) to

    (d) into

80. Can you please go to .... grocery store on Fifth Street and buy 2 cartons of milk ?

    (a) a

    (b) an

    (c) the

    (d) no article