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98. Her name did not occur me on
the second meeting.

- (a) to
- (b) on
- (c) about
- (d) over

99. The principal enlarged the need
of improving the college library.

- (a) upon
- (b) on
- (c) to
- (d) in

100. You must account your
behaviour with your teacher in the class.

- (a) for
- (b) upon
- (c) at
- (d) in

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H

Roll No.

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B. TECH. (THIRD SEMESTER)

END SEMESTER

EXAMINATION, Jan., 2023

(All Branches)

CAREER SKILLS

Time : Three Hours

Maximum Marks : 100

SET-B

Instructions for students :

- (i) This question paper has 100 questions. Attempt all questions. Each question carries equal marks.
- (ii) It is compulsory to write the SET on the OMR.
- (iii) Use of a Calculator is not allowed.

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Directions (1-4) : Answer the questions based on the information given below.

Eight persons Lisa, Mary, Nancy, Pihu, Qasim, Riya, Sansa and Terius are sitting around a circular table facing towards the centre or away from the centre. Persons sitting opposite to each other are facing the opposite directions. Immediate neighbours of Riya are facing the opposite direction of Riya. Terius is sitting 3rd to the right of Sansa. One person is sitting between Pihu and Riya, who is not sitting adjacent to Sansa. Nancy is not sitting opposite to Riya. Two persons are sitting between Terius and Lisa. Qasim is not facing the centre. Sansa is sitting 2nd to the left of Mary and both of them are facing the same direction. Both Mary and Terius are facing the opposite directions.

1. is sitting opposite to the person, who is sitting 2nd to the right of Sansa ?
- (a) Mary

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- (b) Lisa
(c) Pihu
(d) Cannot be determined

2. is sitting adjacent to Pihu.

- (a) Sansa
(b) Lisa
(c) Either (a) or (b)
(d) Both (a) and (b)

3. Who is sitting opposite to Terius ?

- (a) Riya
(b) Qasim
(c) Pihu
(d) Cannot be determined

4. How many persons are sitting between Riya and Sansa, when counted from the left of Riya ?

- (a) 3
(b) 4
(c) 1
(d) 2

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5. Answer the question based on the information given below :

Y @ Z means Y is the father of Z.

Y & Z means Y is the mother of Z.

Y * Z means Y is the son of Z.

Y # Z means Y is the daughter of Z.

Y \$ Z means Y is the brother of Z.

V % Z means Y is the sister of Z.

Which of the following means that A is the grandson of B ?

(a) A & R * S * B

(c) A \$ R # S * B

(b) A \$ R # S @ B

(d) A % R # S * B

6. A said to B, "You are my brother's mother's husband's only sister's husband's only son's sister." How are A and B related ?

(a) Brother

(b) Sister

(c) Siblings

(d) Cousin

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Directions (7-9) : Answer the questions based on the information given below.

A chef is preparing sauces using 8 different ingredients — H, J, K, L, M, N, O and P.

According to the recipes, the following requirements apply to these ingredients :

(i) If J is used, both K and P must be used.

(ii) M and N must always be used together.

(iii) If K is used, at least 2 from H, J, O must also be used.

(iv) K and N cannot be used together.

(v) M, O and P cannot all be used in the same dish.

(vi) H, L and O cannot all be used in the same dish.

7. Which of the following is an acceptable combination of ingredients of a sauce ?

(a) H, J, K, O

(b) H, L, M, P

(c) L, M, N, P

(d) K, L, M, O

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8. In a sauce in which J is used, what is the minimum number of additional ingredients that would meet recipe requirements ?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

9. Which of the following cannot be included in a sauce that contains M ?

- (a) H
- (b) L
- (c) N
- (d) J

Directions (10-14) : Answer the questions based on the information given ahead.

Eight persons P, Q, R, S, T, U, V and W sit in a row facing north direction. Each of them has different number of houses from 5 to 12.

Person, who has 6 houses, sits immediate left of one, who has 11 houses. P is not adjacent to U. R

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has half number of houses than that of P. S sits immediate left of T, who has 3 more houses than that of R. U sits second from one of the ends. W sits second to the left of one, who has 5 houses. One person sits between W and U, who has 12 houses. V is not adjacent to W. V has prime number of houses.

10. Who among the following has 7 houses ?

- (a) U
- (b) Q
- (c) V
- (d) R

11. Find the odd one out.

- (a) V
- (b) T
- (c) W
- (d) S

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12. V has houses.

- (a) 1
- (b) 10
- (c) 5
- (d) 7

13. What is the difference in number of houses of P and Q ?

- (a) 4
- (b) 6
- (c) 7
- (d) 3

14. P sits to the left of T.

- (a) 4th
- (b) 2nd
- (c) 3rd
- (d) 5th

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Directions (15-16) : Answer the questions based on the information given below.

7 students, A–G are sitting at some distance from each other. A is sitting 2 m north to B, who is sitting 4 m west to C, who is sitting north to D, who is sitting in the middle of E and F. G is sitting 2 m south to F, who is sitting 8 m east to E.

15. If the shortest distance between B and D is same as that between A and C, then what is the shortest distance between A and G ?

- (a) 10 m
- (b) 15 m
- (c) 6 m
- (d) 12 m

16. What is the direction of B with respect to E ?

- (a) Northwest
- (b) North
- (c) South
- (d) West

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17. Isa starts moving in east direction from point A. After moving for 3 meters, he turns left and moves for 4 meters. Then he turns right and moves for 6 meters. Then he turns and moves 10 meters in north-east direction. Then finally he moves for 10 meters in south direction to reach point B, which is in east of point A. What is the shortest distance between point A and B ?

- (a) 16 m
- (b) 17 m
- (c) 20 m
- (d) 22 m

18. In a certain code language INFINITY is coded as 9-5-6-9-5-9-2-7, how would CENTRE be coded in the same language ?

- (a) 3-5-5-2-8-5
- (b) 3-5-5-2-9-5
- (c) 3-5-6-2-8-5
- (d) 2-5-5-6-8-5

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19. In a code language if MAIN is coded as LNZBHJMO, then the word TYPE will be coded as :

- (a) SUXZOQFD
- (b) SUXZQOFD
- (c) SUXZOQDF
- (d) SUXZQODE

20. 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

Directions (21-23) : Answer the questions based on the information given below.

10 persons Z, Y, X, W, V, N, M, L, K and J are sitting in two rows i.e., Row I and Row II. Z, Y, X, W, V are sitting in Row I and facing towards the south direction and remaining are sitting in Row II and facing towards north such that each person of

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Row I is facing the person sitting opposite to him in Row II.

N sits second from the right end of the row. Only one person sits between V and Z. Only one person sits between the one, who is facing Z and L, who is the neighbor of M. Y and K are sitting opposite to each other. Also the one who is facing K, sits to the immediate right of W. The one, who is facing N, is sitting to the immediate left of V.

21. Who sits at the right end of row 2 ?

- (a) K
- (b) J
- (c) N
- (d) L

22. Who sits opposite to V ?

- (a) L
- (b) N
- (c) J
- (d) K

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23. How many persons are sitting to the right of W ?

- (a) 3
- (b) 2
- (c) 1
- (d) None of the above

Directions (24-29) : Find the value which will come in place of question marks.

24. 10000 2000 400 80 16 ?

- (a) 3.2
- (b) 1.5
- (c) 2.5
- (d) None of the above

25. 2 10 42 170 682 ?

- (a) 2560
- (b) 2760
- (c) 2730
- (d) 3030

26. 200 220 484 1597.2 7027.68 ?

- (a) 32452.24
- (b) 40552.24
- (c) 28650.24
- (d) 38652.24

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27. 10 11 26 87 364 ?

- (a) 1654
- (b) 1845
- (c) 1945
- (d) 2045

28. 4 2 3 7.5 26.25 ?

- (a) 120
- (b) 125.125
- (c) 118.125
- (d) 115.75

29. 15 16 20 29 45 70 106 ?

- (a) 140
- (b) 148
- (c) 158
- (d) 155

Directions (30-32) : Study the following information carefully and answer the questions given below :

8 Businesses A, B, C, D, E, F, G and H are moving into a 8 Storey building. Any 2 Businesses will not locate on the same floor. Further, each Business

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will occupy one entire Floor. The Floors of the new building are numbered from 1 to 8 from ground floor to the top floor.

Also, the following additional requirement must be met.

- (i) B is to locate on the 6th floor.
- (ii) D is to locate on the 4th floor.
- (iii) E is to locate somewhere below D's floor.

30. If F located on a floor directly below E, F can locate on Floor number.

- (a) 2
- (b) 1
- (c) 3
- (d) Cannot be determined

31. If A locates on a floor exactly 3 floors above E, A must be on floor number :

- (a) 4
- (b) 5
- (c) 6
- (d) 7

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32. If A locates on a floor somewhere above C and if C locates on a floor somewhere above H, which of the following must be definitely false ?

- (a) C locates on a floor somewhere below D and above E
- (b) C locates on a floor somewhere below E.
- (c) A locates on a floor somewhere above E and below D.
- (d) A locates on a floor somewhere above D.

Directions (33-35) : the questions based on the information given below.

A family has 10 members namely P, Q, R, S, T, U, V, W, X and Y which has three generations in the family. The number of males is equal to number of females. Either both or none of the parents are alive.

R is U's mother and is married to P. X is married to U and is father of S. Q is the only son of P. W has only two cousins of different genders. P has exactly two grandsons S and T. Y is W's aunt.

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33. What is the relation of W with Q ?

- (a) Daughter
- (b) Nephew
- (c) Niece
- (d) Son

34. If O is married to W, then how is X's wife related to O ?

- (a) Mother-in-law
- (b) Father-in-law
- (c) Father
- (d) Cannot be determined

35. Who is daughter-in-law of R ?

- (a) X
- (b) Y
- (c) V
- (d) S

Directions (36-38) : Answer the questions based on the information given below.

In a certain code of language.

I. 'only banking exams related' is coded as 'gvf, tys, nhs, poj'.

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II. banking mains exams difficult' is coded as 'zxs, qwa, tys, poi'.

III. 'only' exams aspirant difficult' is coded as 'qws, tys, zxs, gvf'.

IV. 'online exams related problems' is coded as 'bzq, nhs, tys, plk'.

36. The codes of "aspirant" and "exams" are _____ and _____ respectively.

(a) poi, tys

(b) qwa, nhs

(c) bzq, zxs

(d) qws, tys

37. What is the code of "only mains" ?

(a) poi nhs

(b) gvf qwa

(c) bzqtys

(d) qwsnhs

38. If the code "plknhsasq" is coded for "reasoning problems related", then what could be the code of "online reasoning" ?

(a) bzq plk

(b) qwa nhs

(c) asq bzq

(d) qws poi

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Directions (39-41) : Study the following information carefully and answer the given questions.

In the upcoming placement examination of B. Tech. of Batch 2024, a student must select exactly 5 subjects. The subjects have been divided into 2 Groups containing 5 subjects each and the student must select minimum 2 subjects from each group.

Group 1 : C Language, DBMS, Data Structures, Professional Communication and JAVA

Group 2 : Compiler, Networking, Career Skills, DAA and .Net

Further conditions are as follows :

(i) C Language and DAA cannot be chosen together.

(ii) If Data Structure is chosen, Networking should be definitely chosen.

(iii) If 3 subjects are chosen from Group 1, JAVA should be definitely chosen.

(iv) If DBMS is chosen, C Language should be definitely chosen.

(v) At least 1 subject from Compiler and Professional Communication must be chosen

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39. If 3 Subjects are chosen from Group 1 including C Language and Data Structure, then which of the subjects must definitely be selected ?

- (a) Career Skills
- (b) Compiler
- (c) .Net
- (d) DAA

40. Which of the following combination is not possible ?

- (a) C Language, Data Structure, Sociology, Psychology, Accounts
- (b) DBMS, Data Structure, DAA, .Net, Professional Communication
- (c) Professional Communication, Data Structure, Networking, JAVA, Compiler
- (d) Compiler, Career Skills, .Net, C Language, JAVA

41. If C Language is chosen while Professional Communication and Networking are not chosen, then how many combinations are possible ?

- (a) 4
- (b) 3
- (c) 2
- (d) 1

42. Village V is in west direction of village Y and in south of village W. Village X is in north-east direction of village Y and in east of village W. What is the direction of village X with respect to village V ?

- (a) North
- (b) South
- (c) Northeast
- (d) Southwest

43. A person is facing the South direction. He takes a turn of 240 degrees in the anticlockwise direction followed by a 30 degree turn towards

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his left. If he takes these two turns six times, which direction will he finally face ?

- (a) East
- (b) West
- (c) North
- (d) South

44. In the morning, Ram and Sita start moving toward each other. If the shadow of Ram falls to the right of Sita, in which direction Ram is moving ?

- (a) North
- (b) South
- (c) East
- (d) West

45. X does not have any siblings. If Y tells X that "My father is your father's son," then how is Y related to X ?

- (a) Brother
- (b) Father
- (c) Son
- (d) Cannot be determined

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46. At 3 : 30 PM, the minute hand of a clock points towards East. Towards which direction the hour hand will point at 9 : 00 PM ?

- (a) East
- (b) Southwest
- (c) North
- (d) South

Directions (47-50) : Answer the questions based on the information given below.

Seven shopkeepers I, J, K, L, M, N and O sell exam papers of different exams among SBI, IBPS, BOB, RRB PO, RRB CL, Allahabad bank and Oriental bank but not necessarily in same order. The number of papers they sell are 5, 8, 10, 12, 17 and 30. Two shopkeepers sell same number of papers. Not more than two persons sell same number of papers. At least one person sell the number of papers mentioned above.

Neither I nor J sells Oriental bank exam papers. L does not sell maximum number of papers among

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all. L and O sell same number of papers. K sells 12 IBPS papers. J sells prime number of papers. O sells papers of Allahabad bank exam. One person sells 8 RRB PO papers. M sells odd number of RRB CL papers. N sells more papers than M but not in multiple of 5.

47. Who sells 30 papers ?

- (a) J
- (b) I
- (c) K
- (d) L

48. What is the difference in number of papers of K and O ?

- (a) 20
- (b) 5
- (c) 2
- (d) 3

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49. Who among the following sells Oriental bank papers ?

- (a) Person who sells 17 papers
- (b) Person who sells 8 papers
- (c) M
- (d) L

50. J sells papers of which bank ?

- (a) BOB
- (b) IBPS
- (c) SBI
- (d) Cannot be determined

Directions (51-55) : Choose the most opposite word in the meaning of the underlined word from the options given under each sentence.

51. The plane lay burnt in fragments.

- (a) whole
- (b) parts
- (c) scraps
- (d) pieces

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52. Her candid confession of the crime earned her reprieve.

- (a) frank
- (b) crafty
- (c) simple
- (d) ambiguous

53. His health has been deteriorating since he returned.

- (a) ameliorating
- (b) amending
- (c) undertaking
- (d) worsening

54. She is known for her frugality in household expenditure.

- (a) economy
- (b) extravagance
- (c) miserliness
- (d) niggardness

55. Apathy for the poor is common to official of every cadre.

- (a) Indifference
- (b) Sympathy
- (c) Eagerness
- (d) Antipathy

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Directions (56-60) : Choose the correct meaning of the underlined idiom from the options given under each sentence.

56. Sumit had to look high and low before he could find his scooter key.

- (a) nowhere
- (b) always
- (c) everywhere
- (d) somewhere

57. The sight of the accident made my flesh creep.

- (a) worried me
- (b) frightened me
- (c) confused me
- (d) drew my attention

58. At a party, he is always in high spirit.

- (a) talkative
- (b) cheerful
- (c) drunk
- (d) uncontrollable

59. Dowry is a burning question of the day.

- (a) a dying issue
- (b) a relevant problem
- (c) an irrelevant problem
- (d) a widely debated issue

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60. The doctor says that the patient has turned the corner.

- (a) completely recover
- (b) become worse
- (c) passed the crisis
- (d) died

Directions (61-65) : Choose the nearest word in the meaning of the underlined word from the options given under each sentence.

61. There is no ostensible reason for her being angry at her husband's remarks.

- (a) hidden
- (b) covert
- (c) apparent
- (d) secret

62. There was a major split in the Congress party in 1969.

- (a) breach
- (b) division
- (c) break
- (d) unity

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63. India has made spectacular progress in science and technology.

- (a) remarkable
- (b) great
- (c) formidable
- (d) super

64. The Prime Minister delivered an impromptu speech to the students.

- (a) important
- (b) impressive
- (c) inspiring
- (d) spontaneous

65. It was an astute move to sell the property at that stage.

- (a) shrewd
- (b) unwise
- (c) dishonest
- (d) inexplicable

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Directions (66-70) : Choose the suitable prepositional phrase from the options given under each sentence.

66. I am all helping out the poor when in need.

- (a) in favor of
- (b) in favor to
- (c) in favor for
- (d) in favor from

67. Remember that communication is the important.

- (a) by far
- (b) by far of
- (c) by far from
- (d) by far to

68. Please don't be angry with me. I didn't break the toy

- (a) to purpose
- (b) from purpose
- (c) on purpose
- (d) about purpose

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69. How can they be going out ? Jane has nothing Peter.

- (a) in common
- (b) in common to
- (c) in common of
- (d) in common with

70. Because of the interest, we are going to stop the production.

- (a) lack
- (b) lack of
- (c) lack from
- (d) lack in

Directions (71-80) : Choose the correct word which can be substituted for the given sentence.

71. One who is not sure about God's existence :

- (a) Altruist
- (b) Agnostic
- (c) Bigot
- (d) Sadist

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72. A lover of mankind :

- (a) Bankrupt
- (b) Amateur
- (c) Altruist
- (d) Agnostic

73. One who is bad in spelling :

- (a) Atheist
- (b) Ascetic
- (c) Bigot
- (d) Cerographist

74. A lover of good food :

- (a) Anarchist
- (b) Gourmand
- (c) Gourmet
- (d) Stoic

75. One who has long experience of any occupation :

- (a) Truant
- (b) Volunteer
- (c) Immigrant
- (d) Veteran

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76. One who eats everything :

- (a) Omnivorous
- (b) Pessimist
- (c) Sadist
- (d) Herbivorous

77. Government by the Gods :

- (a) Plutocracy
- (b) Thearchy
- (c) Oligarchy
- (d) Secular

78. Murder of one's children :

- (a) Filicide
- (b) Foeticide
- (c) Genocide
- (d) Parricide

79. The study of rocks/crust :

- (a) Orthoepy
- (b) Petrology
- (c) Philology
- (d) Phonetics

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80. One who often talks of his achievements :

- (a) Fugitive
- (b) Egotist
- (c) Egoist
- (d) Fatalist

Directions (81-90) : Choose the correct sentence from the options given.

81. (a) My friend always likes to travel by the air since he is a very busy man.
- (b) My friend always likes to travel by air since he is a very busy man.
- (c) My friend always likes to travel by an air since he is a very busy man.
- (d) My friend always likes to travel by air since he is very busy man.
82. (a) The manager and the executive director is a very energetic person.
- (b) The manager and executive director is a very energetic person.

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- (c) The manager and executive director are very energetic person.
- (d) Manager and the executive director is a very energetic person.

83. (a) It's pity that he does not behave humbly.
- (b) It's a pity that he does not behave humbly.
- (c) It's the pity that he does not behave humbly.
- (d) It's pity that he does not behave a humbly.
84. (a) He learned how to play the flute when he was a student.
- (b) He learned how to play flute when he was a student.
- (c) He learned how to play a flute when he was a student.
- (d) He learned how to play the flute when he was student.
85. (a) Higher you go, colder it is.
- (b) The higher you go, colder it is.
- (c) The higher you go, so colder it is.
- (d) The higher you go, the colder it is.

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86. (a) It was a so hot day that it was impossible to go out shopping.
(b) It was so hot a day that it was impossible to go out shopping.
(c) It was so hot day that it was impossible to go out shopping.
(d) It was the so hot day that it was impossible to go out shopping.
87. (a) The German is a very difficult language to understand.
(b) German is a very difficult language to understand.
(c) The German is the very difficult language to understand.
(d) German is the very difficult language to understand.
88. (a) Ravi is Sachin Tendulkar of our team.
(b) Ravi is a Sachin Tendulkar of our team.
(c) The Ravi is the Sachin Tendulkar of our team.
(d) Ravi is the Sachin Tendulkar of our team.

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89. (a) Which is the more beautiful of the two sisters ?
(b) Which is more beautiful of the two sisters ?
(c) Which is the more beautiful of two sisters ?
(d) Which is more beautiful of two sisters ?
90. (a) Ganga and the Himalaya are unique in India.
(b) The Ganga and Himalaya are unique in India.
(c) A Ganga and the Himalaya are unique in India.
(d) The Ganga and the Himalaya are unique in India.

Directions (91-100) : Choose the suitable preposition from the options given under each sentence.

91. Nothing can deter him pursuing his aim of life.
(a) for
(b) from
(c) at
(d) in

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92. After all hard work he has come to tell
..... your health.

- (a) on
- (b) upon
- (c) at
- (d) for

93. Now-a-days there is a rage pop
music among the Indian.

- (a) for
- (b) with
- (c) of
- (d) at

94. Now government servants have day
..... every Saturday.

- (a) out
- (b) off
- (c) since
- (d) upon

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95. His father deals medicine now.

- (a) with
- (b) for
- (c) in
- (d) on

96. You should not mind his the cuff
remarks.

- (a) on
- (b) off
- (c) of
- (d) over

97. The president dwelt the problems
facing the country.

- (a) on
- (b) for
- (c) with
- (d) in

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