

**BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT**

(Autonomous Institute under Visvesvaraya Technological University, Belagavi)

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Course Code 

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Fourth Semester B.E. Degree Examinations, September / October 2024

**SOFT SKILLS AND BASIC APTITUDE**

Duration: 2 hr

Max. Marks: 100

*Instructions to the Candidates:*

- All questions are compulsory
- Each question carries 1 mark
- Use only black ball point pen
- Darkening two circles for the same question makes the answer invalid
- Damaging/overwriting, using whiteners on the OMR are strictly prohibited.

Q. NoQuestion

- Identify the root word in the English word DIFFIDENT  
A. DIF                      B. ENT                      C. FID                      D. IFF
- Which of these is the meaning of IN in the English word INACTIVE?  
A. IN                      B. ACT                      C. IVE                      D. NOT
- Among the given options, select the ROOT word that means 'look'  
A. PUG                      B. SCI                      C. SPECT                      D. CRED
- A letter or group of letters added to the beginning of a word to make a new word is a  
A. phrase                      B. clause                      C. suffix                      D. prefix
- The activity of taking new products out of their packaging is  
A. loosening                      B. unfolding                      C. unlocking                      D. unboxing
- I.** Directions for the next two questions: Fill in the blanks with the most appropriate options
- She is \_\_\_\_ unique leader.  
A. an                      B. why                      C. not                      D. a
- Complete the sentence with one of the \_\_\_\_\_ provided.  
A. adjective                      B. preposition                      C. root word                      D. verbs
- The bold part in the sentence "His **brand-new, unreleased** album went viral." is  
A. a prepositional phrase                      B. an adjective phrase                      C. an adverbial phrase                      D. a clause
- The word TABLE in the following sentence "The student broke the table." is  
A. an object                      B. a subject                      C. verb                      D. preposition
- Directions for the next question: Fill in the blank with the most appropriate option
- He has been \_\_\_\_\_ since 9 a.m.  
A. studying                      B. wait                      C. give                      D. sit
- II.** Directions for the next five questions: One underlined part of each of the following sentences has an error. Identify the error and select the number of that part as the answer. Ignore the punctuation errors, if any.
- I (1) want two (2) chocolate bar (3) and (4) an ice cream.  
A. 1                      B. 2                      C. 3                      D. 4
- She (1) has (2) waiting for (3) four hours. (4)  
A. 1                      B. 2                      C. 3                      D. 4
- You (1) should always (2) wash your (3) hands behind (4) meals.  
A. 1                      B. 2                      C. 3                      D. 4
- Neither (1) of the (2) birthday cards (3) were (4) suitable.  
A. 1                      B. 2                      C. 3                      D. 4
- The politician (1), along with (2) his party members (3), were (4) tensed.  
A. 1                      B. 2                      C. 3                      D. 4

**III.** Directions for the next five questions: Choose the most appropriate ANTONYM for the given words:

16. **PLENARY**  
A. abundant                      B. complete                      C. fruitful                      D. partial
17. **DIFFIDENT**  
A. frequent                      B. permanent                      C. obedient                      D. confident
18. **SIMPLE**  
A. delicate                      B. inappropriate                      C. complex                      D. disagree
19. **AWARE**  
A. fake                      B. angry                      C. noticed                      D. unaware
20. **UNCERTAIN**  
A. false                      B. tolerate                      C. strong                      D. sure
21. Identify the prefix in the English word **PROCEED**  
A. CEED                      B. ROC                      C. EED                      D. PRO
22. Which of these is the meaning of the prefix in the English word **ANTECEDE**?  
A. against                      B. not                      C. later                      D. before
23. Among the given options, select the **ROOT** word that means 'to know'  
A. PUG                      B. SCI                      C. SPECT                      D. CRED
24. A letter or group of letters added at the end of a word to make a new word is a  
A. phrase                      B. clause                      C. suffix                      D. prefix
25. The adjective used to describe a person having no interest in religion or not following a religion is  
A. irreligious                      B. interreligious                      C. inreligious                      D. disreligious

Directions for the next two questions: Fill in the blanks with the most appropriate options

26. There's a prize \_\_\_\_\_ the fastest three runners in each category.  
A. since                      B. given                      C. to                      D. for
27. In how many ways can 1080 be expressed as a product of two factors  
A. 12                      B. 14                      C. 16                      D. 18
28. The bold part in the sentence "Have you seen Abdul **today**?" is  
A. a preposition                      B. an adjective                      C. an adverb                      D. a verb
29. Which part in the following sentence "The girl broke the chair." is the subject?  
A. chair                      B. broke                      C. The girl                      D. the chair

Directions for the next question: Choose the grammatically correct sentence/s

30. I. He don't love her.                      II. He doesn't love her.  
A. Only I                      B. Only II                      C. Both I & II                      D. Neither I nor II

**IV.** Directions for the next five questions: One underlined part of each of the following sentences has an error. Identify the error and select the number of that part as the answer. Ignore the punctuation errors, if any.

31. She (1) want (2) two chocolate bars (3) and (4) an ice cream.  
A. 1                      B. 2                      C. 3                      D. 4
32. He (1) has (2) gone (3) to (4) overseas.  
A. 1                      B. 2                      C. 3                      D. 4
33. The crowd (1) was (2) very much (3) today. (4)  
A. 1                      B. 2                      C. 3                      D. 4
34. Neither (1) of the (2) classrooms (3) are (4) clean.  
A. 1                      B. 2                      C. 3                      D. 4
35. The captain (1), as well as (2) the bowlers (3), are (4) unhappy.  
A. 1                      B. 2                      C. 3                      D. 4

**V.** Directions for the next five questions: Choose the most appropriate ANTONYM for the given words:

36. **EXTRAVAGANT**  
A. parsimonious                      B. enormous                      C. credulous                      D. uniform
37. **INTERMITTENT**  
A. regular                      B. irregular                      C. clean                      D. selfish

38. CLEVER  
A. delicate                      B. appropriate                      C. complex                      D. dumb
39. COMPLIMENT  
A. respect                      B. support                      C. insert                      D. insult
40. EASY  
A. lazy                      B. busy                      C. handsome                      D. difficult
41. If a number N is divisible by 55, then N is also divisible by:  
A. 10                      B. 11                      C. 20                      D. 90
42. Find the unit digit of  $(6^1+6^2+6^3) \times (9^1+9^2+9^3) + (4^1+4^2+4^3)$ .  
A. 4                      B. 9                      C. 6                      D. 3
43. If  $N = 21 \times 32 \times 53$ , calculate the total number of factors of N.  
A. 5                      B. 6                      C. 12                      D. 24
44. LCM of three numbers  $n_1, n_2$ , and  $n_3$  is 105 and their HCF is 7. Find the product of three numbers.  
A. 535                      B. 635                      C. 735                      D. Cannot be determined
45. A two-digit number N when divided by 2, 3, and 5 leaves a remainder 1. Find the least possible value for N.  
A. 30                      B. 31                      C. 61                      D. 93
46. What is the sum of first 12 natural numbers?  
A. 12                      B. 78                      C. 66                      D. 50
47. Suppose that you have three containers of 24, 96, 216 litres and you have to use a bucket of the largest volume with which all the water in the buckets could be measured exactly. Find the number of buckets required to measure the volume of all the containers together.  
A. 12                      B. 14                      C. 24                      D. Cannot be determined
48. Find the remainder when  $1001^{100}$  is divided by 101.  
A. 100                      B. 1                      C. 0                      D. 99
49. If the HCF of two numbers is 25 and their LCM is 5000, what is the product of the two numbers?  
A. 1,25,000                      B. 225                      C. 125                      D. 12,500
50. A number 'N' when divided by 350 leaves a remainder 100. The same number which when divided by 70 leaves a remainder 'r'. Find 'r'.  
A. 100                      B. 69                      C. 30                      D. Cannot be determined
51. 5, 10, 15, 20, 25?  
A. 35                      B. 45                      C. 55                      D. 30
52. AB, EF, IJ, MN,?  
A. OP                      B. PQ                      C. AB                      D. QR
53. Rita's mother is my mother's sister. Her name is Chinni. Chinni is my  
A. grandmother                      B. aunt                      C. cousin                      D. niece
54. My father's mother's daughter will be my  
A. grandmother                      B. aunt                      C. cousin                      D. niece
55. Sita and Gita are cousins. Sita's mother is Gita's father's sister. What is Sita's mother to Gita?  
A. grandmother                      B. aunt                      C. cousin                      D. niece
56. Pointing to a man in a photograph, a woman said, "His brother's father is the only son of my grandfather." How is the woman related to the man in the photograph?  
A. Mother                      B. Aunt                      C. Sister                      D. Daughter
57. I walk towards the north and then turn left. I'm facing  
A. North                      B. East                      C. West                      D. South
58. I walk towards the south and then turn left. I'm facing  
A. North                      B. East                      C. West                      D. South

59. Sangamesh started walking straight facing east. After walking 20 meters, he took a right turn, again after walking 10 meters, he took a left turn and again after walking 10 meters, he took a left turn. Which direction is he facing now?  
A. East      B. West      C. North      D. South
60. Early in the morning, an NCC cadet marches towards the sun and then turns right twice and continues marching. In which direction does he march then?  
A. North      B. East      C. West      D. South
61. If A is coded as 1, B as 2, C as 3, and so on; what will Z be in that code?  
a) 4      b) 26      c) 54      d) 30
62. If TAP is coded as PAT, then how is ZIP will be coded?  
A. PAZ      B. PIZ      C. IZP      D. None of these
63. In a certain code, LANTERN is written as MNRETNA. How is MENTION written in that code?  
A. LENITON      B. NNOITNE      C. NOTINEM      D. LENTIOM
64. If JOSEPH is coded as FKOALD, then GEORGE will be coded as  
A. CAKNCA      B. HAKNCA      C. CBKNCA      D. CALNCA
65. What is the angle between minute hand and hour hand when it is 7:15?  
A. 127.5 degree      B. 120 degree      C. 135 degree      D. None of these
66. Between 3'O clock and 4'O clock, at what time the hands will make 180 degree between them?  
A. 3:30      B. 3:45      C. 3:49 1/11      D. 3:45/11
67. What comes in place of the question mark in the following number series?  
282, 286, 302, ?, 402, 502  
A. 366      B. 338      C. 326      D. 318
68. Which day of the week it was on 8th September 1996?  
A. Sunday      B. Monday      C. Tuesday      D. Wednesday
69. What is the angle between the hands of a clock at 12 noon?  
A. 180 degree      B. 0 degree      C. 1 degree      D. None of these
70. What comes in place of the question mark in the following number series?  
19 23 14 30 5?  
A. 45      B. 41      C. 51      D. 35
71. If a number N is divisible by 35, then N is also divisible by:  
A. 10      B. 7      C. 20      D. 90
72. The HCF of two numbers is 128 and their LCM is 256. Then their product is  
A. 38028      B. 36868      C. 32768      D. Data Insufficient
73. If each of the three nonzero numbers a, b and c is divisible by 3, then abc must be divisible by which one of the following the numbers  
A. 4      B. 5      C. 3      D. 7
74. What is the mirror image when it is 6'O clock?  
A. 12'O Clock      B. 3'O Clock      C. 6'O Clock      D. 9'O Clock
75. How many times in first 12 hours of a day, the hands of a clock are straight?  
A. 10      B. 11      C. 12      D. 13
76. How many years have 29 days in February from 2001 to 2100?  
A. 23      B. 24      C. 25      D. 29
77. On 8th Dec 2007 Saturday falls. What day of the week was it on 8<sup>th</sup> Dec 2003?  
A. Monday      B. Thursday      C. Saturday      D. Friday
78. Introducing a girl, man said, "Her mother is the only daughter of my mother-in-law". How is the girl related to man?  
A. Wife      B. Daughter      C. Mother      D. Aunt
79. If SONG is coded as GNOS, then how will be DANCE coded?  
A. ECDNA      B. ECNDA      C. ECNAD      D. None of these
80. Siva Reddy walked 2 km west of his house and then turned south covering 4 km. Finally, He moved 3 km towards east and then again 1 km west. How far is he from his initial position?  
A. 10 km      B. 9 Km      C. 2 km      D. 4 km

81. The calendars for the year 2007 will be the same for the year:  
A. 2014                      B. 2016                      C. 2017                      D. 2018
82. How many times do the hands of a clock coincide in a day?  
A. 20                      B. 22                      C. 21                      D. 24
83. Find the only two digit number which is 5 times the sum of its digits  
A. 12                      B. 25                      C. 75                      D. 45
84. Pointing to a photograph, a man said, "I have no brother or sister but that man's father is my father's son". Whose photograph was it?  
A. His Own                      B. His Son's                      C. His father's                      D. His Nephew's
85. If CAR is coded as 59, DOG is coded as 55, PUG is coded as 37, how will be POT coded as  
A. 56                      B. 48                      C. 64                      D. 82
86. What comes in place of the question mark in the following number series?  
24 28 19 35 10?  
A. 46                      B. 56                      C. 65                      D. 66
87. B is to the south west A, C is to the East of B and South-East of A and D is to the north of C in line with BA. In which direction of A is D located?  
A. East                      B. North                      C. North-East                      D. South- East
88. What is the angle between minute hand and hour hand when it is 8:20?  
A. 127.5 degree                      B. 120 degree                      C. 130 degree                      D. None of these
89. March 1, 2008 is Tuesday. What day of the week lies on March 1, 2009?  
A. Wednesday                      B. Thursday                      C. Friday                      D. Saturday
90. A person walks facing north 10m and the he turn left and walks 5m. He again turns left and walks 10m. How far is he from his original position and towards which direction?  
A. 20 m South                      B. 15m West                      C. 10 m East                      D. 5m West
91. The reflex angle between the hands of a clock at 4:20?  
A.  $360^\circ$                       B.  $350^\circ$                       C.  $340^\circ$                       D. None of these
92. The number of prime factors of  $7^{11} * 2^{22} * 3^{33}$  is  
A. 66                      B. 44                      C. 55                      D. 33
93. How many times keys of a typewriter will be pressed in order to type numbers from 1 till 100?  
A. 189                      B. 191                      C. 192                      D. None of these
94. Which of the following has most number of divisors?  
A. 99                      B. 101                      C. 176                      D. 182
95. If BASKET is coded as YXPHBQ, then BUCKET will be coded as  
A. YRYHBQ                      B. YRZHBQ                      C. YZRBQH                      D. YRRHBQ
96. If 13<sup>th</sup> March 2000 was Monday, then which day it will be on 13<sup>th</sup> March 2007?  
A. Sunday                      B. Monday                      C. Tuesday                      D. Wednesday
97. What comes in place of the question mark in the following number series?  
20, 10, 0, -10, -20, ?  
A. 30                      B. -30                      C. -40                      D. 0
98. How many 7 digit numbers exist?  
A. 8999999                      B. 9000000                      C. 8000000                      D. None of these
99. If  $a - b = 3$  and  $a^2 + b^2 = 29$ , find the value of  $ab$ ?  
A. 10                      B. 12                      C. 15                      D. 18
100. What is the mirror image when it is 3:42?  
A. 8:11                      B. 8:18                      C. 9:18                      D. 9:11

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