

BTSC Work Inspector Reasoning – 150 MCQs

Analogies (1–20)

1. Book : Reading :: Food : ?

A) Hunger

B) Eating

C) Taste

D) Cooking

2. Pen : Write :: Knife : ?

A) Cut

B) Peel

C) Sharp

D) Hold

3. Bird : Fly :: Fish : ?

A) Jump

B) Swim

C) Eat

D) Crawl

4. Doctor : Hospital :: Teacher : ?

A) Student

B) School

C) Book

D) Class

5. Eye : See :: Ear : ?

A) Speak

B) Hear

C) Touch

D) Smell

6. Soldier : Army :: Player : ?

A) Coach

B) Team

C) Ground

D) Game

7. Sun : Day :: Moon : ?

A) Sky

B) Light

C) Night

D) Star

8. Cow : Milk :: Tree : ?

A) Leaf

B) Fruit

C) Wood

D) Shade

9. Author : Book :: Painter : ?

- A) Wall
- B) Brush
- C) Painting
- D) Colour

10. Clock : Time :: Thermometer : ?

- A) Heat
- B) Temperature
- C) Degree
- D) Cold

11. Hand : Glove :: Foot : ?

- A) Sock
- B) Shoe
- C) Leg
- D) Toe

12. Car : Petrol :: Human : ?

- A) Water
- B) Food
- C) Air
- D) Blood

13. Lion : Pride :: Fish : ?

- A) School
- B) Herd

C) Group

D) Crowd

14. Needle : Thread :: Pen : ?

A) Paper

B) Ink

C) Write

D) Pencil

15. Tailor : Cloth :: Carpenter : ?

A) Wood

B) Chair

C) Hammer

D) Nail

16. River : Water :: Road : ?

A) Vehicle

B) Traffic

C) Path

D) Dust

17. Flower : Garden :: Student : ?

A) School

B) Teacher

C) Book

D) Class

18. Fire : Heat :: Ice : ?

- A) Water
- B) Cold
- C) Snow
- D) Freeze

19. Judge : Court :: Doctor : ?

- A) Nurse
- B) Hospital
- C) Patient
- D) Medicine

20. Leaf : Tree :: Petal : ?

- A) Flower
- B) Stem
- C) Root
- D) Branch

Classification (21–40)

21. Odd one out: Apple, Mango, Banana, Potato

- A) Apple
- B) Mango
- C) Banana

D) Potato

22. Pen, Pencil, Eraser, Paper

A) Pen

B) Pencil

C) Eraser

D) Paper

23. Dog, Cat, Cow, Tiger

A) Dog

B) Cat

C) Cow

D) Tiger

24. Gold, Silver, Iron, Plastic

A) Gold

B) Silver

C) Iron

D) Plastic

25. Circle, Triangle, Square, Cube

A) Circle

B) Triangle

C) Square

D) Cube

26. Red, Blue, Green, Car

- A) Red
- B) Blue
- C) Green
- D) Car

27. Doctor, Engineer, Teacher, Patient

- A) Doctor
- B) Engineer
- C) Teacher
- D) Patient

28. Delhi, Mumbai, Kolkata, India

- A) Delhi
- B) Mumbai
- C) Kolkata
- D) India

29. Chair, Table, Bed, Room

- A) Chair
- B) Table
- C) Bed
- D) Room

30. Fan, Light, AC, Window

- A) Fan
- B) Light

C) AC

D) Window

31. Sparrow, Crow, Parrot, Dog

A) Sparrow

B) Crow

C) Parrot

D) Dog

32. Rose, Lily, Lotus, Grass

A) Rose

B) Lily

C) Lotus

D) Grass

33. Earth, Mars, Moon, Sun

A) Earth

B) Mars

C) Moon

D) Sun

34. Shirt, Pant, Shoes, Hat

A) Shirt

B) Pant

C) Shoes

D) Hat

35. Bus, Car, Train, Road

- A) Bus
- B) Car
- C) Train
- D) Road

36. Pen, Ink, Paper, Book

- A) Pen
- B) Ink
- C) Paper
- D) Book

37. Milk, Water, Juice, Plate

- A) Milk
- B) Water
- C) Juice
- D) Plate

38. Doctor, Nurse, Hospital, Teacher

- A) Doctor
- B) Nurse
- C) Hospital
- D) Teacher

39. Knife, Spoon, Plate, Bowl

- A) Knife

B) Spoon

C) Plate

D) Bowl

40. Lion, Tiger, Leopard, Deer

A) Lion

B) Tiger

C) Leopard

D) Deer

Number Series (41–65)

41. 2, 4, 6, 8, ?

A) 9

B) 10

C) 11

D) 12

42. 5, 10, 20, 40, ?

A) 60

B) 70

C) 80

D) 90

43. 1, 4, 9, 16, ?

A) 20

B) 25

C) 30

D) 36

44. 3, 6, 12, 24, ?

A) 36

B) 48

C) 60

D) 72

45. 10, 20, 30, 40, ?

A) 45

B) 50

C) 60

D) 70

46. 2, 3, 5, 7, ?

A) 9

B) 10

C) 11

D) 13

47. 100, 90, 80, 70, ?

A) 50

B) 55

C) 60

D) 65

48. 1, 1, 2, 3, 5, ?

A) 6

B) 7

C) 8

D) 9

49. 7, 14, 21, 28, ?

A) 32

B) 35

C) 36

D) 42

50. 9, 18, 27, 36, ?

A) 40

B) 45

C) 48

D) 54

51. 64, 32, 16, 8, ?

A) 2

B) 3

C) 4

D) 6

52. 5, 25, 125, ?

A) 375

B) 500

C) 625

D) 750

53. 11, 22, 33, 44, ?

A) 50

B) 55

C) 66

D) 77

54. 1, 8, 27, ?

A) 36

B) 64

C) 81

D) 125

55. 4, 9, 16, 25, ?

A) 30

B) 36

C) 40

D) 49

56. 6, 13, 20, 27, ?

A) 32

B) 34

C) 36

D) 40

57. 81, 27, 9, ?

A) 1

B) 2

C) 3

D) 6

58. 2, 6, 12, 20, ?

A) 24

B) 28

C) 30

D) 32

59. 15, 30, 60, ?

A) 90

B) 105

C) 120

D) 150

60. 7, 21, 63, ?

A) 126

B) 147

C) 189

D) 210

61. 1, 3, 6, 10, ?

A) 12

B) 15

C) 18

D) 21

62. 2, 5, 10, 17, ?

A) 24

B) 25

C) 26

D) 27

63. 100, 50, 25, ?

A) 10

B) 12.5

C) 15

D) 20

64. 1, 2, 4, 8, ?

A) 12

B) 14

C) 16

D) 18

65. 12, 24, 48, ?

A) 60

B) 72

C) 84

D) 96

Alphabet Series (66–80)

66. A, C, E, G, ?

A) H

B) I

C) J

D) K

67. B, D, F, H, ?

A) I

B) J

C) K

D) L

68. Z, X, V, T, ?

A) R

B) S

C) Q

D) P

69. A, D, G, J, ?

A) K

B) L

C) M

D) N

70. M, L, K, J, ?

A) H

B) I

C) G

D) F

71. P, R, T, V, ?

A) W

B) X

C) Y

D) Z

72. A, B, D, G, ?

A) J

B) K

C) L

D) M

73. C, F, I, L, ?

A) M

B) N

C) O

D) P

74. Z, Y, X, W, ?

A) V

B) U

C) T

D) S

75. A, E, I, O, ?

A) A

B) E

C) U

D) Y

76. D, H, L, P, ?

A) R

B) S

C) T

D) U

77. B, E, H, K, ?

A) M

B) N

C) O

D) P

78. A, C, F, J, ?

A) L

B) M

C) N

D) O

79. Q, S, U, W, ?

A) X

B) Y

C) Z

D) V

80. M, O, Q, S, ?

A) T

B) U

C) V

D) W

Coding–Decoding (81–100)

81. CAT → DBU, then DOG → ?

A) EPH

B) EOH

C) FPH

D) EPG

82. $PEN \rightarrow QFO$, then $INK \rightarrow ?$

A) JOL

B) JOL

C) JML

D) JNM

83. If $A = 1$, $B = 2$, then $Z = ?$

A) 24

B) 25

C) 26

D) 27

84. $RAM \rightarrow SBN$, then $SHY \rightarrow ?$

A) TIZ

B) TIZ

C) UJZ

D) TJZ

85. BOOK → CPPL, then PAGE → ?

A) QBGF

B) QBHF

C) QBHF

D) QBFG

86. DELHI → EFMIJ, then PATNA → ?

A) QBUOB

B) QBUOB

C) QBUOB

D) QBUOB

87. SUN → TVO, then MOON → ?

A) NPPO

B) NPPN

C) NPPM

D) NPPQ

88. KING → LJOH, then QUEEN → ?

A) RVFFO

B) RVFFO

C) RVFFO

D) RVFFO

89. INDIA → JOEJB, then CHINA → ?

A) DIJOB

B) DIJOB

C) DIJOB

D) DIJOB

90. ROAD → SPBE, then PATH → ?

A) QBUI

B) QBUI

C) QBUI

D) QBUI

91. If 2 = FEB, 3 = MAR, then 5 = ?

A) APR

B) MAY

C) JUN

D) JUL

92. BLUE → CMVF, then RED → ?

A) SFE

B) SFE

C) SFE

D) SFE

93. CAT = 3120, then DOG = ?

A) 4157

B) 4157

C) 4157

D) 4157

94. PEN = 16-5-14, then INK = ?

A) 9-14-11

B) 9-14-10

C) 9-13-11

D) 9-15-11

95. BUS → CVT, then CAR → ?

A) DBS

B) DBS

C) DBS

D) DBS

96. NAME → OBNF, then WORD → ?

A) XPSE

B) XPSE

C) XPSE

D) XPSE

97. FISH → GJTI, then BIRD → ?

A) CJSE

B) CJSE

C) CJSE

D) CJSE

98. $1 \rightarrow 3$, $2 \rightarrow 6$, then $4 \rightarrow ?$

A) 8

B) 10

C) 12

D) 14

99. TABLE $\rightarrow$ UBCMF, then CHAIR $\rightarrow ?$

A) DIJBS

B) DIJBS

C) DIJBS

D) DIJBS

100. $123 \rightarrow ABC$, then $456 \rightarrow ?$

A) DEF

B) EFG

C) GHI

D) JKL

Blood Relation (101–120)

101. A is brother of B, B sister of C. A is C's?

A) Brother

B) Sister

C) Cousin

D) Uncle

102. X father of Y, Y mother of Z. X is Z's?

A) Father

B) Uncle

C) Grandfather

D) Brother

103. P son of Q, Q sister of R. R is P's?

A) Uncle/Aunt

B) Father

C) Brother

D) Cousin

104. A mother of B, B father of C. A is C's?

A) Aunt

- B) Mother
- C) Grandmother
- D) Sister

105. M brother of N, N mother of P. M is P's?

- A) Uncle
- B) Brother
- C) Father
- D) Cousin

106. X daughter of Y, Y son of Z. Z is X's?

- A) Father
- B) Mother
- C) Grandparent
- D) Uncle

107. A married to B, B brother of C. C is A's?

- A) Sister-in-law
- B) Brother
- C) Cousin
- D) Mother

108. P grandfather of Q. Q son of R. R is P's?

- A) Son
- B) Daughter
- C) Child

D) Nephew

109. X uncle of Y, Y son of Z. Z is X's?

A) Brother

B) Sister

C) Parent

D) Cousin

110. A sister of B, B father of C. A is C's?

A) Aunt

B) Sister

C) Mother

D) Cousin

111. P father of Q, Q brother of R. P is R's?

A) Uncle

B) Father

C) Brother

D) Cousin

112. X mother-in-law of Y. Y is X's?

A) Daughter

B) Son

C) Son/Daughter-in-law

D) Sister

113. A son of B, B daughter of C. C is A's?

- A) Father
- B) Mother
- C) Grandparent
- D) Uncle

114. P cousin of Q. Their parents are?

- A) Friends
- B) Brothers/Sisters
- C) Neighbours
- D) Twins

115. X husband of Y, Y sister of Z. X is Z's?

- A) Brother
- B) Brother-in-law
- C) Cousin
- D) Father

116. A aunt of B. A is B's parent's?

- A) Sister
- B) Mother
- C) Daughter
- D) Cousin

117. P brother-in-law of Q. P is Q's?

- A) Brother
- B) Husband's brother / sister's husband

C) Cousin

D) Father

118. X son of Y, Y wife of Z. Z is X's?

A) Father

B) Uncle

C) Brother

D) Cousin

119. A nephew of B. B is A's?

A) Uncle/Aunt

B) Brother

C) Father

D) Cousin

120. P grandmother of Q, Q daughter of R. R is P's?

A) Daughter

B) Son

C) Child

D) Sister

Direction Sense (121–135)

121. 10 m north, 5 m east. Distance?

A) 11 m

B) $\sqrt{125}$ m

C) 15 m

D) 5 m

122. Facing east, turn right. Direction?

A) North

B) South

C) West

D) East

123. Facing north, turn 180° .

A) East

B) West

C) South

D) North

124. 5 km north, 3 km south. Distance?

A) 2 km

B) 8 km

C) 5 km

D) 3 km

125. Facing south, turn right.

A) East

B) West

C) North

D) South

126. East then left. Facing?

A) South

B) North

C) West

D) East

127. 4 km west, 3 km north. Direction?

A) North-East

B) North-West

C) South-East

D) South-West

128. Facing west, turn left.

A) South

B) North

C) East

D) West

129. North → East → South. Final?

A) East

B) South

C) North

D) Start

130. 10 east, 10 west. Position?

A) East

B) West

C) Same place

D) North

131. Facing west, turn right.

A) North

B) South

C) East

D) West

132. North → right → right. Facing?

A) North

B) South

C) East

D) West

133. 3 km south, 4 km east. Distance?

A) 5 km

B) 7 km

C) 4 km

D) 3 km

134. Facing east, turn right twice.

A) North

B) South

C) West

D) East

135. North → South → North. Net?

A) 0

B) North

C) South

D) East

Logical Venn Diagram (136–145)

136. All pens pencils, some pencils erasers.

A) Some pens erasers

B) All pens erasers

C) Some erasers pens

D) None

137. Some cats dogs, all dogs animals.

A) Some cats animals

B) All cats animals

C) No cats animals

D) None

138. No man woman, all women humans.

A) Some men humans

B) No woman man

C) All humans women

D) None

139. All teachers graduates, some graduates doctors.

A) Some teachers doctors

B) All doctors teachers

C) Some doctors graduates

D) None

140. Some fruits sweet, all sweets tasty.

A) Some fruits tasty

B) All fruits tasty

C) No fruit tasty

D) None

141. All cars vehicles, no vehicle boat.

- A) No car boat
- B) Some cars boats
- C) All boats cars
- D) None

142. Some boys players, some players singers.

- A) Some boys singers
- B) All boys singers
- C) No boy singer
- D) None

143. All flowers plants, some plants trees.

- A) Some flowers trees
- B) All plants flowers
- C) Some trees plants
- D) None

144. No pen pencil, some pencils books.

- A) Some pens books
- B) No pen book
- C) Some books pencils
- D) None

145. All engineers graduates, all graduates educated.

- A) All engineers educated

- B) Some engineers educated
 - C) No engineer educated
 - D) None
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Syllogism (146–150)

146. All A B, All B C.

- A) All A C
- B) Some A C
- C) No A C
- D) None

147. Some A B, All B C.

- A) Some A C
- B) All A C
- C) No A C
- D) None

148. No A B, All C A.

- A) No C B
- B) Some C B
- C) All C B
- D) None

149. Some A C, No C B.

A) Some A not B

B) All A B

C) No A B

D) None

150. All A B, Some B C.

A) Some A C

B) Some C B

C) All B A

D) None