

### Question Bank - Competitive Mode of Assessment

#### Calendars

1. What was the day of the week on 26<sup>th</sup> January 2020?  
 A. Tuesday                      B. Monday                      **C. Sunday**                      D. Friday
2. It was Tuesday on 3<sup>rd</sup> August 2021, what was the day of the week on 3<sup>rd</sup> August 2024?  
 A. Friday                      **B. Saturday**                      C. Thursday                      D. Wednesday
3. The last day of a century cannot be  
 A. **Thursday**                      B. Friday                      C. Monday                      D. Sunday
4. What was the day of the week on June 17, 1991?  
 A. Tuesday                      B. Wednesday                      C. Friday                      D. Monday
5. The day on 5<sup>th</sup> April of a year will be the same day on 5<sup>th</sup> of which month of the same year?  
 A. **5<sup>th</sup> July**                      B. 5<sup>th</sup> August                      C. 5<sup>th</sup> September                      D. 5<sup>th</sup> June
6. How many days are there in x weeks x days?  
 A.  $7x^2$                       **B.  $8x$**                       C.  $14x$                       D. 7
7. The calendar for the year 2007 will be the same for the year:  
 A. 2014                      B. 2016                      C. 2017                      **D. 2018**
8. If January 1st, 2023 is a Sunday, what day of the week will be October 31st, 2023?  
 A. Thursday                      B. Tuesday                      **C. Wednesday**                      D. Monday
9. What was the day on 14 April 2000?  
 A. Sunday                      **B. Saturday**                      C. Friday                      D. Tuesday
10. If the day before yesterday was a Wednesday, then what day of the week will it be 1 year 2 months and 5 days from now?  
 A. Monday                      B. Tuesday                      C. Friday                      **D. Can't be determined**
11. If today is the day which comes after the day which has seven letters, then what day of the week will be the 400<sup>th</sup> day from today?  
 A. Friday                      **B. Thursday**                      C. Sunday                      D. Monday
12. How many times does the 29<sup>th</sup> day of a month occur in 600 consecutive years?  
 A. 6849                      B. 6759                      C. 6797                      **D. 6745**
13. If January 1, 1996, was Monday, what day of the week was January 1, 1997?  
 A. Thursday                      **B. Wednesday**                      C. Friday                      D. Sunday
14. On February 5, 1998, it was Thursday. The day of the week on February 5, 1997, was  
 A. **Wednesday**                      B. Monday                      C. Friday                      D. Sunday
15. Today is Wednesday, after 68 days, it will be  
 A. Friday                      B. Sunday                      **C. Monday**                      D. Thursday
16. On what date of March 2005 did Friday fall?  
 A. 10                      **B. 18**                      C. 31                      D. 24
17. Today is Monday. After 80 days, it will be  
 A. Wednesday                      **B. Thursday**                      C. Tuesday                      D. Saturday
18. Which of the following is not a leap year?  
 A. **500**                      B. 800                      C. 1200                      D. 1600
19. The calendar for the year 2003 is same for  
 A. 2010                      B. 2005                      C. 2006                      **D. 2014**
20. What day of the week was year 100 A.D December 31<sup>st</sup>?  
 A. Monday                      B. Tuesday                      **C. Friday**                      D. Saturday
21. What was the day of the week on 5<sup>th</sup> Feb 2024?  
 (a) **Monday**                      (b) Tuesday                      (c) Wednesday                      (d) Thursday
22. What was the day of the week on 7<sup>th</sup> Apr 2024?  
 (a) **Sunday**                      (b) Tuesday                      (c) Wednesday                      (d) Thursday
23. What was the day of the week on 18<sup>th</sup> June 2023 ?  
 (a) Tuesday                      **(b) Sunday**                      (c) Wednesday                      (d) Thursday
24. What was the day of the week on 27<sup>th</sup> Oct 2023 ?  
 (a) Tuesday                      (b) Sunday                      (c) Wednesday                      **(d) Friday**
25. What was the day of the week on 3<sup>rd</sup> March 2023?

- (a) Tuesday                      (b) Sunday                      (c) Wednesday                      (d) **Friday**
26. Which of the following year is a leap year?  
 (a) 1997                      (b) 1998                      (c) **1996**                      (d) 1999
27. How many days are there in  $x$  weeks  $x$  days?  
 (a)  $7x^2$                       (b)  **$8x$**                       (c)  $14x$                       (d) 7
28. The ordinary year has \_\_\_\_\_ odd days.  
 (a) 2                      (b) 3                      (c) **1**                      (d) 5
29. On 8<sup>th</sup> Dec 2007, Saturday falls. What day of the week was it on 8<sup>th</sup> Dec 2006?  
 (a) Sunday                      (b) Thursday                      (c) Tuesday                      (d) **Friday**
30. Every fourth century year has \_\_\_\_\_ odd days.  
 (a) 1                      (b) 2                      (c) 3                      (d) **0**
31. What was the day of the week on 17<sup>th</sup> June, 1998?  
 (a) Monday                      (b) Tuesday                      (c) **Wednesday**                      (d) Thursday
32. What was the day of the week on 28<sup>th</sup> May 2006?  
 (a) **Thursday**                      (b) Friday                      (c) Saturday                      (d) **Sunday**
33. Today is Monday. After 61 days, it will be \_\_\_\_\_  
 (a) Wednesday                      (b) **Saturday**                      (c) Tuesday                      (d) Thursday
34. The last day of a century cannot be \_\_\_\_\_  
 (a) Monday                      (b) **Tuesday**                      (c) Wednesday                      (d) Friday
35. What was the day of the week on 15<sup>th</sup> Aug 1947?  
 (a) Monday                      (b) Tuesday                      (c) Wednesday                      (d) **Friday**
36. Which of the following year is not a leap year ?  
 (a) **700**                      (b) 1200                      (c) 1600                      (d) 2000
37. What was the day of the week on 15<sup>th</sup> Aug 2010 ?  
 (a) **Sunday**                      (b) Tuesday                      (c) Wednesday                      (d) Thursday
38. The calendar for the year 2007 will be same as the year of :  
 (a) 2015                      (b) 2016                      (c) **2018**                      (d) 2020
39. 1<sup>st</sup> Jan 2007 was Monday. What day of the week lies on 1<sup>st</sup> Jan 2008?  
 (a) Monday                      (b) **Tuesday**                      (c) Wednesday                      (d) Thursday
40. 1<sup>st</sup> Jan 2008 is Tuesday. What day of the week lies on 1<sup>st</sup> Jan 2009?  
 (a) Monday                      (b) Tuesday                      (c) Wednesday                      (d) **Thursday**

### Clocks

41. A watch which gains uniformly is 5 minutes slow at 6am on Monday and is 5 minutes 48 seconds fast at 6pm on the following Monday. When was it correct?  
 A. 5:20 PM on Wednesday                      **C. 5:20 PM on Thursday**  
 B. 4:20 PM on Wednesday                      D. 4:20 PM on Thursday
42. How much is the angle between the minute hand and the hour hand of a clock when the time is 5:40?  
 A.  $10^\circ$                       B.  $80^\circ$                       C.  $40^\circ$                       **D.  $70^\circ$**
43. A watch which gains 5 seconds in 3 minutes was set right at 7 AM. In the afternoon of the same day, when the watch indicated quarter past 4 o'clock, the true time is  
 A. **4 PM**                      B. 4:15 PM                      C. 4:30 PM                      D. 4:55 PM
44. A watch which gains 5 seconds in 3 minutes was set right at 7 a.m. In the afternoon of the same day, when the watch indicated quarter past 4 o'clock, the true time is:  
 A. 5 PM                      B. 58(7/11) min past 5                      **C. 4 PM**                      D. None of these
45. What when the time is 6:32, then what is the angle between the hour hand and minutehand of a clock?  
 A.  $2^\circ$                       B.  $12^\circ$                       C.  $16^\circ$                       **D.  $4^\circ$**
46. At what time between 6 and 7 are the hands of a clock 8 minutes apart?  
 A. **24 min past 6**                      B. 21 min past 6                      C. 18 min past 6                      D. 20 min past 6
47. What is the angle between hour hand and minute hand of a clock at 3.30?  
 A.  $65^\circ$                       B.  $70^\circ$                       **C.  $75^\circ$**                       D.  $80^\circ$
48. What can be the time between 5:00 and 6:00, the hands of the clock will be at 62 degrees?

- A. **16 min past 5**      B. 32 min past 5      C. 8 min past 5      D. 48 min past 5
49. At what time between 8 and 9 o'clock will the hands of the clock point in opposite direction?  
**A. 10(4/11) min past 8**      B. 54(6/11) min past 8      C. 30 min past 8      **D. 10(10/11) min past 8**
50. An accurate clock shows 10 o'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 3 o'clock in the afternoon?  
 A. 144°      B. 160°      **C. 150°**      D. 180°
51. How many times are the hands of a clock at right angle in 12 hours?  
 A. **22**      B. 24      C. 44      D. 48
52. The reflex angle between the hands of a clock at 6:40 is  
**A. 180 degree**      B. 190 Degree      C. 210 degree      **D. 320degree**
53. If the time in a clock is 7:45, then what is the time shown by the same clock in the mirror?  
 A. 4:10      **B. 4:15**      C. 4:20      D. 4:30
54. An accurate clock shows 8 o'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 2 o'clock in the afternoon?  
 A. 144°      B. 150°      C. 168°      **D. 180°**
55. At what time between 6 and 6:30 will the hands of the clock be at right angles?  
**A. 16(4/11) min Past 6**      B. 16 min past 6      C. 10(10/11) min past 6      D. 10 min past 6
56. A clock is set right at 9 AM. The clock loses 24 minutes in 24 hours. What will be the correct time when the clock indicates 8 PM on the second day.  
 A. 7 PM      B. 7:59 PM      **C. 7:01 PM**      D. 8 PM
57. A clock is started at noon. By 10 minutes past 5, the hour hand has turned through:  
 A. 145°      B. 150°      **C. 155°**      D. 160°
58. How much does a watch lose per day, if its hands coincide every 64 minutes?  
**A. 32(8/11) min**      B. 36(5/11) min      C. 90 min.      D. 96 min.
59. At what time between 7 and 8 o'clock will the hands of a clock be in the same straight line but, not together?  
 A. 5 min past 7      **B. 5(5/11) min past 7**      C. 5(6/11) min past 7      D. 6 min past 7
60. At what times between 5 O'clock and 6 O'clock the hands of a clock are 10 minute spaces apart?  
**A. 16(4/11) min past 5, 38(2/11) min past 5**      C. 18(4/11) min past 5, 36(2/11) min past 5  
 B. 19(4/11) min past 5, 33(2/11) min past 5      D. 17(4/11) min past 5, 32(2/11) min past 5
61. A clock is started at noon. By 10 minutes past 5, the hour hand has turned through:  
**(a) 145°**      **(b) 155°**      (c) 165°      (d) 175°
62. At what angle the hands of a clock are inclined at 15 minutes past 5?  
**(a) 67  $\frac{1}{2}$**       (b) 68°      (c) 58°      (d) 60°
63. The angle between the minute hand and the hour hand of a clock when the time is 8.30  
**(a) 75°**      (b) 80°      (c) 50°      (d) 60°
64. Through what angle does the minute hand of a clock turn in 5 minutes?  
 (a) 50°      (b) 55°      **(c) 30°**      (d) 45°
65. The angle between the hour hand and minute hand of a clock when the time is 03.00  
 (a) 55°      **(b) 90°**      (c) 45°      (d) 55°
66. An accurate clock shows 8 o'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 2 o'clock in the afternoon?  
 (a) 140°      (b) 150°      **(c) 180°**      (d) 170°
67. The angle between the minute hand and the hour hand of a clock when the time is 4.20,  
 (a) 0°      **(b) 10°**      (c) 20°      (d) 40°
68. A clock strikes once at 1 o'clock, twice at 2 o'clock, thrice at 3 o'clock and so on. What is the total number of strikings in a day?  
 (a) 136      (b) 146      **(c) 156**      (d) 166
69. If a clock strikes six times in 5 seconds, the number of strikes in 10 seconds is  
 (a) 8      (b) 7      **(c) 10**      (d) 12
70. At 3:40, the hour hand and the minute hand of a clock form an angle of  
 (a) 120°      (b) 125°      **(c) 130°**      (d) 135°
71. How many times do the hands of a clock coincide in a day?  
 (a) 20      (b) 21      **(c) 22**      (d) 24
72. How many times in a day, the hands of a clock are straight?  
 (a) 22      (b) 24      **(c) 44**      (d) 48

73. How many times are the hands of a clock at right angle in a day?  
 (a) 22 (b) 24 (c) **44** (d) 48
74. How many times in a day, are the hands of a clock in straight line but opposite in direction?  
 (a) 20 (b) **22** (c) 24 (d) 48
75. The reflex angle between the hands of a clock at 10.25 is  
 (a)  **$197\frac{1}{2}^\circ$**  (b)  $120^\circ$  (c)  $180^\circ$  (d)  $170^\circ$
76. The angle between the hour hand and the minute hand of a clock when the time is 03.25  
 (a)  **$47\frac{1}{2}^\circ$**  (b)  $45^\circ$  (c)  $90^\circ$  (d)  $40^\circ$
77. The angle between the hour hand and the minute hand of a clock when the time is 02.20  
 (a)  $40^\circ$  (b)  $45^\circ$  (c)  **$50^\circ$**  (d)  $60^\circ$
78. The angle between the hour hand and minute hand of a clock when the time is 03.30  
 (a)  $50^\circ$  (b)  **$75^\circ$**  (c)  $90^\circ$  (d)  $80^\circ$
79. If a clock strikes eight times in 5 seconds, the number of strikes in 10 seconds is  
 (a) 12 (b) 10 (c) 20 (d) **16**
80. If a clock strikes nine times in 5 seconds, the number of strikes in 10 seconds is  
 (a) 12 (b) 14 (c) **18** (d) 20

### Coding Decoding

81. In a certain code, TEACHER is written as VGCEJGT. How is CHILDREN written in that code?  
 A. EJKNEGTP B. EGKNFITP C. EJKNFGTO D. **EJKNFTGP**
82. If water is called food, food is called tree and tree is called sky then on which of the following grows a fruit?  
 A. Water B. Food C. **Sky** D. Tree
83. In a certain code, TRIPPLE is written as SQHOOKD. How is DISPOSE written in that code?  
 A. **CHRONRD** B. DSOESPI C. ESJTPTF D. ESOPSID
84. If sky is star, star is cloud, cloud is earth, earth is tree and tree is book, then where do the birds fly?  
 A. Cloud B. Sky C. **Star** D. Data inadequate
85. In a certain language, "sun shines brightly" is written as "ba lo sul", "houses are brightly lit" as "kado ula ari ba" and "light comes from sun" as "dopi kup lo nro". What is the code for "sun" and "brightly"?  
 A. Ba sul B. sul lo C. **lo ba** D. ba
86. If GIVE is coded as 5137 and BAT is coded as 924, how is GATE coded?  
 A. 5427 B. 5724 C. **5247** D. 2547
87. If in a certain language CAT is coded as 333150, and SNAP is coded as 49443146, then how is GMAT coded in the same language?  
 A. 37424120 B. 37424140 C. 36424220 D. **37433150**
88. If the word TOE is coded as WRH and the word FOOT is coded as JSSX, then the word HEART is coded as: Ans is wrong  
 A. MJFWY B. IFBSU C. JGCTV D. **KHDUW**
89. If ROSE is coded as 6821, CHAIR is coded as 73456 and PREACH is coded as 961473, what will be the code for SEARCH?  
 A. 246173 B. **214673** C. 214763 D. 216473
90. If cloud is called white, white is called rain, rain is called green, green is called air, air is called blue and blue is called water, where will the birds fly?  
 A. Air B. Cloud C. White D. **Blue**
91. If the animals which can walk are called swimmers, animals who crawl are called flying, those living in water are called snakes and those which fly in the sky are called hunters. then what will a lizard be called ?  
 A. Swimmers B. Snakes C. **Flying** D. Hunters
92. If CHENNAI is coded as EAEAEAEA in a certain language, then how is COIMBATORE coded in the same language?  
 A. ARIARI B. **IARIAR** C. RRIIAA D. IARARI
93. If ROGER is coded as TMICT in a certain language, then how is NADAL coded in the same language?  
 A. **PYFYN** B. RZGZM C. RXFXM D. PNYFY
94. In a certain code BOMB is written as 5745 and BAY is written as 529, how is BOMBAY written in that code?  
 A. 54529 B. 545572 C. 529452 D. **574529**
95. If in a certain code 'INTELLIGENCE' is written as 'ETNIGILLECNE', then how can 'MATHEMATICAL' be written in the same code?  
 A. AMHTMETACILA B. **HTAMTAMELACI** C. TAMMEHTALAC D. LACITAMEHTAM
96. If in a certain language, NATURE is coded as MASUQE, how is FAMINE coded in that code?

- A. FBMJND                      B. FZMHND                      C. GANIOE                      **D. EALIME**
97. If in a certain language FASHION is coded as FOIHSAN. How is PROBLEM coded in that code?  
A. ROBLEMP                      **B. PELBORM**                      C. PRBOELM                      D. RPBOELM
98. If DELHI is coded as 73541 and CALCUTTA as 82589662. How can CALICUT be coded?  
A. 5279431                      B. 5978213                      **C. 8251896**                      D. 8543691
99. If PALE is coded as 2134, EARTH is coded as 41590, how is PEARL coded in that code?  
A. 29530                      **B. 24153**                      C. 25413                      D. 25430
100. If room is called bed, bed is called window, window is called flower and flower is called cooler, on what would a man sleep?  
**A. Window**                      B. Bed                      C. Flower                      D. Cooler
101. If TAP is coded as SZO, then how is FREEZE coded?  
(a) EQDFYF                      (b) ESDFYF                      (c) GQFDYF                      **(d) EQDDYD**
102. In a certain code, SIKKIM is written as THLJLL. How is TRAINING written in that code?  
(a) SQBHOOH                      **(b) UQBHOHOF**                      (c) UQBHOHFF                      (d) UQBHOHGG
103. In a certain code, FORGE is written as FPTJI. How is CULPRIT written in that code?  
(a) CSJNPGR                      **(b) CVNSVNZ**                      (c) CVNSVNX                      (d) CVNSVYC
104. If DELHI is written as EDMGJ in a certain code. How is NEPAL written in that code?  
**(a) ODQZM**                      (b) ODSFG                      (c) ODHGF                      (d) ODKLJIF
105. EARTH is written as FCUXM in a certain code. How is MOON written in that code?  
(a) MQRR                      **(b) NQRR**                      (c) HAUU                      (d) HTUU
106. In a certain code 'MISSIONS' is written as 'MSIISNOS'. How is 'ONLINE' written in that code?  
**(a) OLNNE**                      (b) ONILEN                      (c) NOILEN                      (d) LNOENI
107. In certain code 'TIGER' is written as 'QDFHS'. How is 'FISH' written in that code?  
(a) GERH                      **(b) GRHE**                      (c) GREH                      (d) GHRE
108. If the letters of the word 'CYCLINDER' are arranged alphabetically, then which letter would be farthest from the first letter of word?  
(a) N                      (b) E                      **(c) Y**                      (d) R
109. In a certain code 'SEQUENCE' is coded as 'FDOFVRFT'. How is 'CHILDREN' coded in that code?  
(a) OFESJMD                      **(b) OFSEMJD**                      (c) OFSEJMD                      (d) OFSEJMD
110. In certain code 'FROZEN' is written as 'OFAPSG'. Then how would 'MOLTEN' be written in that code?  
(a) OFPOMN                      (b) OFSMPN                      **(c) OFUMPN**                      (d) OFUNPM
111. Which of the following is the odd man out?  
**(a) RMHC**                      (b) KFAV                      (c) KIDW                      (d) DYTO
112. If in a certain code, "DESCRIPTION" is written as "DHSFRLPWIRN", then how is "SURPRISE" written in that code  
(a) HSLHSXRS                      (b) SXHRYTJH                      (c) NBVHFKIL                      **(d) SXRSRLSH**
113. If in a code language, COULD is written as BNTKC and MARGIN is written as LZQFHM, how will MOULDING be written in that code?  
(a) CHMFINTK                      (b) LAKTCHMF                      **(c) LNTKCHMF**                      (d) NITKHCMF
114. If in a certain language, MADRAS is coded as NBESBT how is BOMBAY coded in that code?  
(a) CPNCBX                      **(b) CPNCBZ**                      (c) CPOCBZ                      (d) CQOCBZ
115. If in a language SPORT is written as SROPT, then how RELATIONSHIP would be written in that language?  
(a) RELEIONTASHP                      (b) RLONTIASHEP                      **(c) RIHSNOITALEP**                      (d) RLATIOENSHIP
116. In a certain code, NEWYORK is written as 111, how is NEWJERSEY written in that code?  
(a) 112                      **(b) 124**                      (c) 128                      (d) 130
117. In a certain code, TRIPPLE is written as SQHOOKD. How is DISPOSE written in that code?  
**(a) CHRONRD**                      (b) BHRONRD                      (c) JIRONRD                      (d) LURONRD
118. In a certain code, MONKEY is written as XDJMNL. How is TIGER written in that code?  
(a) SDFHS                      **(b) QDFHS**                      (c) FGHTD                      (d) NJIUT
119. If SYMBOL is written as NZTMPC in a certain code? How is NUMBER written in that code?  
**(a) NVOSFC**                      (b) BHYTGH                      (c) BNHYUI                      (d) NJUTYI
120. In a certain code, HARYANA is written as 8197151, how is DELHI written in that code?  
(a) 45689                      **(b) 45389**                      (c) 45329                      (d) 45284

## Number System

121. Find the unit digit of  $575^{234}$   
 A. 8                      B. 7                      **C. 5**                      D. 3
122. The HCF and LCM of two numbers are 16 and 96 respectively. If one of them is 32 what is the other one?  
 A. **48**                      B. 88                      C. 78                      D. 64
123. If an 8 digit number 8932X324 is divisible by 66. Find the value of X?  
 A. 4                      B. 6                      **C. 5**                      D. 7
124. The sum of first 49 natural numbers is ?  
 A. 1280                      B. 2070                      **C. 1225**                      D. 1215
125. If the number 97215A6 is divisible by 11, find the smallest whole number in the place of A.  
 A. **3**                      B. 4                      C. 6                      D. 8
126. When a number is divided by 56 it gives the remainder 29, if the same number is divided by 8, What will be the remainder?  
 A. 6                      **B. 5**                      C. 3                      D. 7
127. The number obtained by interchanging the two digits of a two-digit number is less than the original number by 18. The sum of the two digits of the number is 16. What is the original number?  
 A. 89                      B. 69                      C. 83                      **D. 97**
128. What are the three consecutive prime numbers that will divide 131131?  
 A. 7,11,15                      B. 6,12,8                      **C. 7,11,13**                      D. 11,13,9
129. What is the number in the unit place in  $(729)^{59}$ ?  
**A. 9 in the unit place.**                      B. 1 in the unit place.                      C. 6 in the unit place.                      D. 7 in the unit place.
130. The difference between two numbers is 2395. When the larger number is divided by the smaller one, the quotient is 6 and the remainder is 15. The smaller number is  
 A. 120                      B. 239                      **C. 476**                      D. 523
131. Which of the numbers is exactly divisible by 3?  
 A. 415591                      B. 6472                      C. 3364                      **D. 413976**
132. What is the unit digit in  $3^{65} \times 6^{59} \times 7^{71}$  ?  
 A. 1                      B. 2                      **C. 4**                      D. 6
133. On the front page of the book, 'THE FACE BOOK' is flashed using neon lights. The three words are flashed are individually at intervals of 12, 15 and 18 seconds, respectively and each word is put off after a second. What is the least time after which the full name of our book can be read again?  
 A. 2 min                      **B. 3 min**                      C. 6 min                      D. 5 min
134. What is the least number which when divided by 13 and 31 will always have a remainder 11?  
 A. 417                      **B. 414**                      C. 404                      D. 512
135. Find the cube root of 157464  
 A. 48                      **B. 54**                      C. 44                      D. 64
136. Find the square root of 28561  
 A. 157                      B. 154                      C. 167                      **D. 169**
137. If the number 5X2 is divisible by 6, then value of X is  
 A. 3                      B. 7                      **C. 8**                      D. 9
138. When a number is divided by 13, the remainder is 11. When the same number is divided by 17, then remainder is 9. What is the number?  
 A. 339                      **B. 349**                      C. 369                      D. Data inadequate
139. 476 \*\* 0 is divisible by both 3 and 11. The non-zero digits in the hundred's and ten's places are respectively:  
 A. 7 and 4                      B. 7 and 5                      **C. 8 and 5**                      D. None of these
140. If the number 42573 \* is exactly divisible by 72, then the minimum value of \* is:  
 A. **6**                      B. 5                      C. 7                      D. 9
141. What least number must be subtracted from 13601, so that the remainder is divisible by 87?  
 (a) 23                      **(b) 29**                      (c) 31                      (d) 33
142. What smallest number should be added to 4456 so that the sum is completely divisible by 6?  
**(a) 2**                      (b) 3                      (c) 4                      (d) 1
143. The greatest number of four digits which is divisible by 15, 25, 40 and 75 is:  
 (a) 9000                      (b) 9500                      **(c) 9600**                      (d) 9700
144. Three number are in the ratio of 3 : 4 : 5 and their L.C.M. is 2400. Their H.C.F. is:  
 (a) 80                      (b) 45                      (c) 50                      **(d) 40**
145. The product of two numbers is 4107. If the H.C.F. of these numbers is 37, then the greater number is:  
 (a) 101                      (b) 103                      **(c) 111**                      (d) 105
146. The G.C.D. of 1.08, 0.36 and 0.9 is:  
 (a) 0.16                      (b) 0.03                      **(c) 0.18**                      (d) 0.16
147. The H.C.F. of two numbers is 11 and their L.C.M. is 7700. If one of the numbers is 275, then the other is:

- (a) 279 (b) 280 (c) 300 (d) **308**  
 148. Which of the following numbers is divisible by 4?  
 (a) 67920594 (b) **618703572** (c) 67920555 (d) 618703555  
 149. Which of the following numbers is divisible by 11?  
 (a) **4832718** (b) 4832719 (c) 4832720 (d) 4832721  
 150. The ratio of Two numbers is 2 : 5, if their LCM is 70 and find the two numbers.  
 (a) 21, 35 (b) 10, 25 (c) 6, 15 (d) **14, 35**  
 151. The unit's digit in the product  $274 \times 318 \times 577 \times 313$  is  
 (a) **2** (b) 3 (c) 4 (d) 5  
 152. Unit's digit in  $(784)^{126} + (784)^{127}$  is  
 (a) **0** (b) 4 (c) 6 (d) 8  
 153. The unit's digit in the product  $(2464)^{1793} \times (615)^{317} \times (131)^{491}$  is  
 (a) **0** (b) 2 (c) 3 (d) 5  
 154. The H.C.F of  $\frac{9}{10}, \frac{12}{25}, \frac{18}{35}$  and  $\frac{21}{40}$  is  
 (a)  $\frac{3}{5}$  (b)  $\frac{252}{5}$  (c)  $\frac{3}{1400}$  (d)  $\frac{63}{700}$   
 155. The L.C.M of  $\frac{1}{3}, \frac{5}{6}, \frac{2}{9}, \frac{4}{27}$  is  
 (a)  $\frac{1}{54}$  (b)  $\frac{10}{27}$  (c)  $\frac{20}{3}$  (d) None of these  
 156. The H.C.F and L.C.M of two numbers are 12 and 336 respectively. If one of the numbers is 84, the another number is  
 (a) 36 (b) **48** (c) 72 (d) 96  
 157. The square root of 41209 is equal to  
 (a) 103 (b) **203** (c) 303 (d) 403  
 158. 70% of 320 is  
 (a) 250 (b) 220 (c) **224** (d) 240  
 159.  $\sqrt{1.5625} =$   
 (a) 1.53 (b) **1.25** (c) 1.75 (d) 1.85  
 160. The square root of 64009 is:  
 (a) 249 (b) **253** (c) 259 (d) 243

### Percentages

161. If the price of a product is first decreased by 25% and then increased by 20%, then what is the percentage change in the price?  
 A. 10% increases B. 5% increases C. 8% increases D. **10% decreases**  
 162. If the numerator of a fraction is increased by 20% and its denominator is decreased by 10%, the fraction becomes  $\frac{16}{21}$ . Find the original fraction.  
 A.  $\frac{5}{7}$  B.  $\frac{2}{7}$  C.  **$\frac{4}{7}$**  D.  $\frac{3}{7}$   
 163. For a student to clear an examination, he must score 55% marks. If he gets 120 and fails by 78 marks, what is the total marks for the examination?  
 A. 420 B. 450 C. 320 D. **360**  
 164. If the price of a certain book was Rs. 200 in 2012 and it increased to Rs. 250 in 2013, then find the percentage increase in the price?  
 A. **25%** B. 27% C. 30% D. 28%  
 165. By how much is 80% of 40 greater than  $\frac{4}{5}$  of 25?  
 A. **12%** B. 20% C. 22% D. 15%  
 166. The price of idly is raised by 10%. By how much percent should a man reduce his consumption of idly so as to not increase his expenditure?  
 A. 9.06 B. 10 C. 9.08 D. **9.09**  
 167. What is the percentage of ratio 5:4?  
 A. 75% B. **125%** C. 100% D. 80%  
 168. Calculate 49% of 36636  
 A. **17951.64** B. 17254.24 C. 18318 D. 19454  
 169. Difference of two numbers 'x' and 'y' ( $x > y$ ) is 100. Also, 10 % of 'x' is equal to 15 % of 'y'. Find the numbers.



- A. **300, 200**                      b. 150, 250                      c. 400, 500                      d. 350,250
170. Calculate 66.66% of 1254  
A. 846                      B. 857                      **C. 836**                      D. 842
171. The price of a commodity increased by 25 %. By what percent should the consumption be reduced so as to keep the expenditure same?  
A. 10%                      **B. 20%**                      C. 15%                      D. 12.5%
172. In a class of 50 students, 60% are girls. How many boys are in the class?  
A. **20**                      B. 30                      C. 25                      D. 35
173. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:  
A. 588                      B. 600                      C. 672                      **D. 700**
174. If  $A = x\%$  of  $y$  and  $B = y\%$  of  $x$ , then which of the following is true?  
A.  $A < B$                       B.  $A > B$                       **C.  $A = B$**                       D. None of these
175. In an election, candidate A received 55% of the votes, and candidate B received 12,150 votes. How many total votes were cast?  
A. 28500                      B. 26000                      C. 25200                      D. 27000
176. A student multiplied a number by  $\frac{3}{5}$  instead of  $\frac{5}{3}$ . What is the percentage error in calculation.  
**A. 34%**                      B. 44%                      C. 54%                      **D. 64%**
177. Ankita is 25 years old. If Rahul's age is 25% greater than that of Ankita then how much percent Ankita's age is less than Rahul's age?  
A. 16.67%                      **B. 20%**                      C. 25%                      D. 33.33%
178. Three candidates contested an election and received 1136, 7636 and 11628 votes respectively. What percentage of the total votes did the winning candidate get?  
A. **57%**                      B. 60%                      C. 65%                      D. 90%
179. If 12% of  $x$  is equal to 6% of  $y$ , then 18% of  $x$  will be equal to how much % of  $y$ ?  
A. 7%                      **B. 9%**                      C. 11%                      D. 12%
180. In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was:  
A. 1700                      **B. 2700**                      C. 1950                      D. 2500
181. The cubic root of 1331 is  
(a) 19                      (b) 21                      **(c) 11**                      (d) 29
182. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:  
(a) 600                      (b) 650                      **(c) 700**                      (d) 750
183. Three candidates contested an election and received 1136, 7636 and 11628 votes respectively. What percentage of the total votes did the winning candidate get?  
**(a) 57%**                      (b) 67%                      (c) 75%                      (d) 80%
184. The population of a town increased from 1,75,000 to 2,62,500 in a decade. The average percent increase of population per year is:  
(a) 6%                      (b) 7%                      **(c) 5%**                      (d) 8%
185. Rajeev buys good worth Rs. 6650. He gets a rebate of 6% on it. After getting the rebate, he pays sales tax @ 10%. Find the amount he will have to pay for the goods.  
**(a) Rs. 6876.10**                      (b) Rs. 6999.20                      (c) Rs. 6654                      (d) Rs. 7000
186. 2 is what percentage of 50?  
(a) 5%                      **(b) 4%**                      (c) 3%                      (d) 2%
187. A boy got 455 marks out of 500 in his examination .What is the percentage of marks he got?  
(a) 92.5%                      (b) 93%                      (c) 94%                      **(d) 91%**
188. ? % of 25 = 2.125  
(a) 6.5                      (b) 7.5                      **(c) 8.5**                      (d) 9.5
189. 90% of ? = 63  
(a) 50                      **(b) 70**                      (c) 80                      (d) 90
190. 12% of 5000 = ?  
**(a) 600**                      (b) 620                      (c) 680                      (d) 720
191. 2% of 2 = ?  
**(a) 0.04**                      (b) 0.4                      (c) 0.02                      (d) 0.06
192. 0.01 is what percentage of 0.1?  
(a)  $\frac{1}{100}$                       (b)  $\frac{1}{10}$                       **(c) 10**                      (d) 100



193. What is 45% of 25% of  $\frac{4}{5}$  of 850?

- (a) 67.5 (b) 69.5 (c) **76.5** (d) 83.5

194. 10% of 5 + 5% of 10 is

- (a) 0.10 (b) 0.25 (c) **1.0** (d) 2.5

195. 15% of 15000 =

- (a) 2300 (b) **2250** (c) 2700 (d) 2600

196. 25% of 2000 =

- (a) 600 (b) 700 (c) **500** (d) 800

197. Mani got 50 marks in maths and 70 in science and 85 in social science. Find the percentage of his total marks ?

- (a) 65% (b) **68.3%** (c) 70% (d) 63%

198. \_\_\_\_\_ % of 3000 = 6.

- (a) 35% (b) 3% (c) **2%** (d) 25%

199. \_\_\_\_\_ % of 600000 = 18000.

- (a) 35% (b) **3%** (c) 2% (d) 25%

200. 92% of 500 =

- (a) 420 (b) 450 (c) **460** (d) 480