

BOOKS



The grid displays 48 book covers, organized as follows:

- Row 1:** "THE CRACKER" PRACTICE BOOK FOR GEOMETRY (800+ Questions); 100 SSC CGL (10,000+ Questions); "THE CRACKER" PRACTICE BOOK FOR MENSURATION (850+ Questions); 20+ SSC CGL TIER-II / MAINS 2015-18 (3100 Questions); Ace SSC ARITHMETIC; Ace SSC ADVANCED MATHS.
- Row 2:** Ace SSC GENERAL INTELLIGENCE & REASONING; Ace SSC ENGLISH LANGUAGE & COMPREHENSION BOOK; Ace SSC GENERAL AWARENESS; 15+ INSURANCE EXAMS PREVIOUS YEARS' PAPER 2016-2018 (1800+ Questions); BANK PO & CLERK PRELIMS PREVIOUS YEARS' PAPERS BOOK (2400+ Questions); BANK PO | CLERK MAINS PREVIOUS YEARS' PAPERS (2000+ Questions).
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- Row 4:** Ace IT OFFICER Professional Knowledge; A Guide to Crack BANK EXAMS INTERVIEWS (JOB INTERVIEW); Ace BANKING & STATIC AWARENESS; Ace REASONING; Ace QUANT; Ace ENGLISH.

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Q1. A shopkeeper sells two articles-A & B. Cost price of article-B is 20% less than cost price of article-A and shopkeeper sells article-A and article-B at 40% profit and 20% profit respectively. If selling price of article-A is Rs.528 more than selling price of article-B, then find cost price of article-B?

- (a) Rs.900
- (b) Rs.1040
- (c) Rs.1200
- (d) Rs.960
- (e) Rs.1130

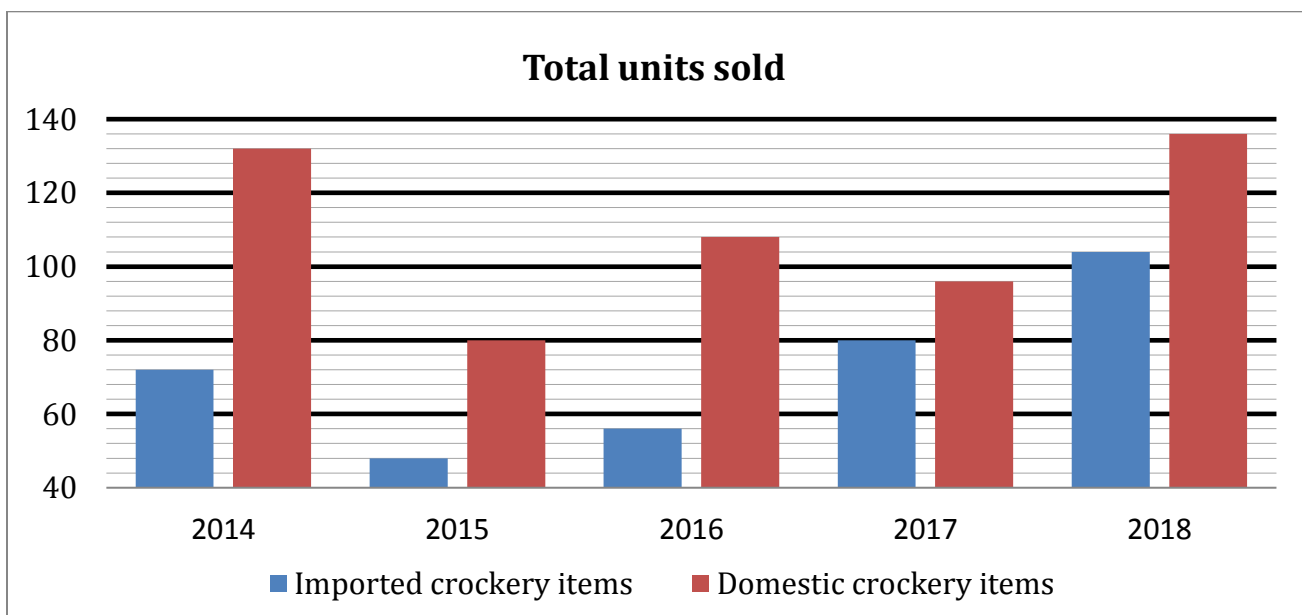
Q2. Area of circle is $144\pi \text{ cm}^2$ and radius of circle is equal to diagonal of a square. Find perimeter of square.

- (a) $60\sqrt{2} \text{ cm}$
- (b) 24 cm
- (c) 48 cm
- (d) $48\sqrt{2} \text{ cm}$
- (e) $24\sqrt{2} \text{ cm}$

Q3. Ayush invested Rs.5000 in a scheme-A on S.I. for two years and he further invested the amount received from scheme-A on C.I. at the rate of 10% compounding annually for two years. If he received Rs.1218 as C.I., then find rate of interest of scheme-A?

- (a) 10%
- (b) 6%
- (c) 14%
- (d) 8%
- (e) 12%

Directions (4-9): Bar chart given below shows the number of domestic and imported crockery items sold by a shopkeeper in 5 different years. Study the below mentioned bar chart carefully to answer the following questions. (total unit sold = imported crockery item + domestic crockery item)



Q4. Find the ratio of imported crockery items sold in 2014 & 2015 together to domestic crockery item sold in 2016?

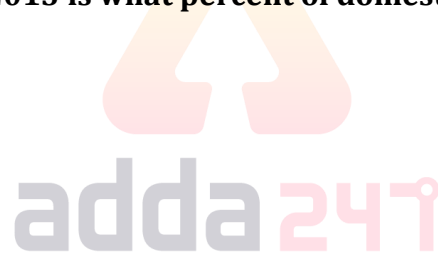
- (a) 1 : 2
- (b) 4 : 3
- (c) 5 : 7
- (d) 10 : 9
- (e) None of the above.

Q5. Domestic crockery items sold in 2015 and imported crockery items sold in 2016 together is how much less than imported crockery items sold in 2014 and domestic crockery items sold in 2017 together.

- (a) 38
- (b) 36
- (c) 22
- (d) 28
- (e) 32

Q6. If in 2014 sales of domestic crockery items falls by 12% as compared to previous year and in 2013 ratio of domestic crockery items sold to imported crockery items sold is 5 : 4, then find imported crockery items sold in 2013 is what percent of domestic crockery items sold in 2015?

- (a) 150%
- (b) 200%
- (c) 50%
- (d) $66\frac{2}{3}\%$
- (e) 100%



Q7. Domestic crockery items sold in 2016 and 2017 together is what percent more than the imported crockery items sold in 2016 and 2018 together?

- (a) 32.5%
- (b) 25.5%
- (c) 21.5%
- (d) 27.5%
- (e) 37.5%

Q8. Find the difference between average of imported crockery items sold in 2017 & 2018 and average of domestic crockery items sold in 2015, 2017 & 2018?

- (a) 25
- (b) 12
- (c) 21
- (d) 17
- (e) 11



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Q9. Ratio of domestic crockery items sold in 2017 to imported crockery items sold in 2019 is 3 : 4 and domestic crockery items sold in 2019 is $15\frac{5}{8}\%$ more than the imported crockery items sold in that year. Find ratio of total crockery items sold in 2019 to total crockery items sold in 2014?

- (a) 23 : 17
- (b) 15 : 11
- (c) 3 : 5
- (d) 9 : 16
- (e) None of the above.

Directions (10-14): Find the wrong number in the following number series.

Q10. 6, 18, 36, 144, 720, 4320, 30240

- (a) 36
- (b) 6
- (c) 18
- (d) 144
- (e) 720

Q11. 1487, 1170, 928, 803, 739, 712, 704

- (a) 739
- (b) 1487
- (c) 928
- (d) 1170
- (e) 704

Q12. 19, 380, 669, 840, 959, 1008, 1033

- (a) 840
- (b) 1033
- (c) 380
- (d) 19
- (e) 1008

Q13. 957, 597, 360, 237, 123, 110, 9

- (a) 237
- (b) 597
- (c) 9
- (d) 110
- (e) Series is correct.

Q14. 1764, 1681, 1597, 1521, 1444, 1369, 1296

- (a) 1597
- (b) 1764
- (c) 1681
- (d) 1521
- (e) Series is correct.



Q15. Machine-A can fill 200 empty bottles of 750ml each in 1 hour. Machine-B fills empty bottles of 500ml each. If total work done by both machine in 1 hour is same, then find how many empty bottles machine-B can fill in 8 hours?

- (a) 3600
- (b) 2000
- (c) 4800
- (d) 2400
- (e) 1800

Q16. A number is chosen at random from the first 100 natural numbers, then find the probability that the number is either divisible by 5 or 7.

- (a) $\frac{11}{25}$
- (b) $\frac{8}{25}$
- (c) $\frac{17}{50}$
- (d) $\frac{15}{50}$
- (e) None of the above.

Directions (17-22): Table given below shows the data of students and teachers of different branches in an engineering college. Study the below mentioned table carefully to answer the following questions.

Engineering Branches	Difference between number of students and number of teachers	Ratio of number of students to number of teachers
Computer Science	275	12 : 1
Electrical	234	15 : 2
Mechanical	228	21 : 2
I.T.	256	19 : 3
Civil	126	13 : 4
Chemical	168	13 : 1

Q17. Number of teachers in I.T. branch is how much more or less than number of teachers in Chemical branch?

- (a) 41
- (b) 46
- (c) 34
- (d) 31
- (e) 39

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Q18. Number of students in Mechanical branch is what percent of number of students in Computer Science branch?

- (a) 73%
- (b) 79%
- (c) 87%
- (d) 81%
- (e) 84%

Q19. If the ratio of number of boys to number of girls in Civil branch is 4 : 3, then find number of girls in Civil branch is what percent of number of teachers in that branch?

- (a) $150\frac{4}{7}\%$
- (b) $139\frac{2}{7}\%$
- (c) $143\frac{3}{7}\%$
- (d) $134\frac{6}{7}\%$
- (e) None of the above.

Q20. If the ratio of boys to girls in Computer Science branch and Electrical branch is 7 : 5 and 3 : 2 respectively, then find number of boys in Computer Science branch and Electrical branch together is how much more or less than number of girls in Computer Science branch and Electrical branch together?

- (a) 127
- (b) 111
- (c) 104
- (d) 119
- (e) 135



Q21. Find the ratio of number of students in I.T. and Electrical branch together to number of teachers in I.T. and Electrical branch together.

- (a) 41 : 6
- (b) 9 : 7
- (c) 17 : 14
- (d) 21 : 16
- (e) None of the above.

Q22. Number of teachers in Chemical branch is what percent of number of students in Mechanical branch?

- (a) $3\frac{5}{9}\%$
- (b) $7\frac{5}{9}\%$
- (c) $2\frac{5}{9}\%$
- (d) $5\frac{5}{9}\%$
- (e) $9\frac{5}{9}\%$

Q23. A vessel of capacity of 70 liters is completely filled with milk. 'x' liters are taken out from the vessel and replaced by water and this process is repeated one more time. If final quantity of milk in the vessel is 44.8 liters, then find value of 'x'?

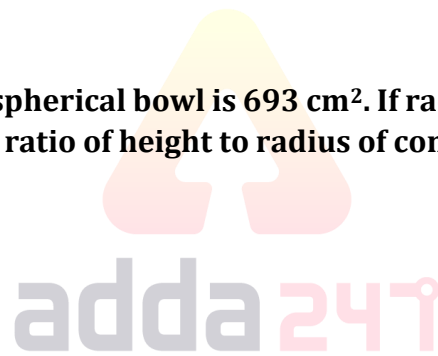
- (a) 10 liters
- (b) 12 liters
- (c) 14 liters
- (d) 16 liters
- (e) 18 liters

Q24. In 2018, a school has 1200 students and ratio of boys to girls is 11 : 9. If 92% of the total students got passed in 2018 and 95% of the total boys got passed in 2018 then, find the percentage of girls who got passed in 2018?

- (a) $85\frac{1}{3}\%$
- (b) $81\frac{2}{3}\%$
- (c) $87\frac{2}{3}\%$
- (d) $89\frac{1}{3}\%$
- (e) $88\frac{1}{3}\%$

Q25. Curved surface area of hemispherical bowl is 693 cm^2 . If radius of a conical tent is equal to the radius of hemispherical bowl and ratio of height to radius of conical tent is 10 : 7, then find volume of conical tent?

- (a) 1742.5 cm^3
- (b) 1732.5 cm^3
- (c) 1712.5 cm^3
- (d) 1729.5 cm^3
- (e) 1701.5 cm^3



Directions (26-30): Find the approximate value of the (?) in the following questions.

Q26. 23.83% of $625.02 - 100.01 = ?\%$ of $3599.99 + 98.13 \div 6.9999$

- (a) 6
- (b) 23
- (c) 17
- (d) 1
- (e) 11

Q27. $659.97 \times (?)^2 = (64.92)^2 + 24.997\%$ of 6860.0013

- (a) 3
- (b) 11
- (c) 19
- (d) 43
- (e) 30

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Q28. $5677.1321 + 4913.9133 - 3798.92 = ? + 20.005\%$ of 3960.1321

- (a) 7000
- (b) 6500
- (c) 6000
- (d) 6200
- (e) 6800

Q29. $? = 56.9156$ of $28.056 \div 76.0754 \times 5.9743$

- (a) 141
- (b) 126
- (c) 157
- (d) 190
- (e) 117

Q30. 11.994% of $500.03 + \frac{16.01 \times ?}{20.04} = 150.0123 + (25.9531 \times 35.121)$

- (a) 1250
- (b) 1300
- (c) 1100
- (d) 1050
- (e) 1150

Directions (31-35): Study the following information carefully and answer the given questions.

Data regarding number of students studying various courses viz. Commerce, Management, Arts, Medical, Science and Law in College P and that in College Q in the year 2019.

In college P, Students studying in Medical and Science are 1140 and 1800 respectively. Students studying in Commerce are $57\frac{1}{7}\%$ of students studying in Arts. Students studying in Arts are same as average of students studying in Management, Law and Science. Ratio of students studying in management to Science is 3:4. Number of students studying in law are 20 % more than students studying in Arts.

In college Q, students studying in management are 12.5% more than students studying in Commerce. Medical students consist of 10% of total students of College B. Ratio of students studying in Science to Law is 5:7. Difference of students studying in Management and Commerce is 200. Number of students studying in Arts are 1250. Total students in college Q are 2480 less than total students in college P.

Q31. Find the ratio of total students in management and science together from College P and total students in arts and Commerce together from College Q?

- (a) $\frac{23}{19}$
- (b) $\frac{19}{25}$
- (c) $\frac{21}{19}$
- (d) $\frac{19}{27}$
- (e) $\frac{19}{21}$

Q32. Total students in commerce and Arts from both colleges is what percent of total students in Medical and Law from both colleges?

- (a) $130\frac{29}{67}\%$
- (b) $83\frac{3}{4}\%$
- (c) $129\frac{37}{77}\%$
- (d) $87\frac{7}{8}\%$
- (e) $119\frac{27}{67}\%$

Q33. 40% of total students in Science from College Q are girls and 60% of total students in Management from College Q are boys. If average of girls of Science, Management and law from College Q are 458, then find number of boys students in Law from College Q?

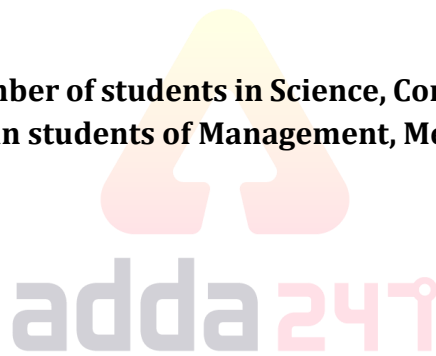
- (a) 354
- (b) 944
- (c) 224
- (d) 720
- (e) 454


Q34. Find the ratio of average number of students in Science, Commerce, Management and art from College Q to the Average number in students of Management, Medical and Science from College P?

- (a) 521 : 576
- (b) 521 : 572
- (c) 572 : 521
- (d) 521 : 580
- (e) None of these

Q35. Total number of students studying in Science from both the Colleges is how much per cent less than total number of students in art from both the colleges?

- (a) $21\frac{1}{3}\%$ less
- (b) $28\frac{2}{3}\%$ more
- (c) $25\frac{1}{3}\%$ less
- (d) $\frac{100}{7}\%$ less
- (e) $\frac{150}{7}\%$ more





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