





SBI / IBPS PO 2021



Maths

**LIVE MOCK
DISCUSSION**



DAY - 22

9:00 AM

Class Time :- 9:00 AM



UPCOMING ONLINE BATCHES


November 2021

17 Nov 2021**01:00 PM to 3:00 PM****IBPS SO PRE CRASH COURSE**
(BANK-SO)**08:00 AM to 10:00 AM****LIVE PREMIUM GREEN CARD**
(BANK-PO & CLERK)**05:30 PM to 07:30 PM****LIVE PREMIUM GREEN CARD**
(BANK-PO & CLERK)**10:30 AM to 12:30 PM****LIVE PREMIUM SILVER CARD**
(SSC CGL & CHSL)**BILINGUAL****24 Nov 2021****10:30 AM to 12:30 PM****LIVE PREMIUM GREEN CARD**
(BANK-PO & CLERK)**07:30 PM to 09:30 PM****LIVE PREMIUM GREEN CARD**
(BANK-PO & CLERK)**03:00 PM to 5:00 PM****LIVE PREMIUM SILVER CARD**
(SSC CGL & CHSL)**BILINGUAL**www.mahendras.org



Sarita 10 hours ago
Homework answer
Q.18) option A (120)
Q.19) option C (23: 18)
Q.20) option B (2760)...

Read more

  REPLY



Palak Shukla 10 hours ago
Homework answer—
18) 120 , Option A
19) 23:18, Option C
20) 2760, Option B...

Read more

 1  REPLY




diptorag sarkar 12 hours ago
HOMEWORK ANSWERS 18 a) 120
19 c) 23:18
20 b) 2760

  REPLY



Rityaj Seth 12 hours ago
HOMEWORK ANSWER
a(120), c(23:18), b(2760)

  REPLY



Nitika Gupta 10 hours ago
Homework
18. a 120
19. c 23:18
20. b 2760

  REPLY



Anjali vaishnav 8 hours ago
18) 120,option no.A
19)23:18 option no.C
20)2760 option no.B

  REPLY




AAYUSH SRIVASTAVA 11 hours ago
HOMEWORK ANSWERS- Q1- (A):120
Q2- (C): 23:18
Q3- (B): 2760

  REPLY




Indrajit Chakraborty 12 hours ago
The answer of Question No. 18 is Option (A) 120 ;
The answer of Question No. 19 is Option (B) 23:14;
The answer of Question No. 20 is Option (B) 2760

  REPLY





Swechcha Mishra 9 hours ago
Ans
18) 120
19) 23:18
20) 2760

  REPLY





Vikas Jhiniwal 10 hours ago (edited)
18 120
19 23:18
20 2760

  REPLY



Rajesh Majumder 11 hours ago
18.a 19.c 20.b

  REPLY



Durvendra kumar 11 hours ago
Good morning sir

  REPLY



26_Priya Jha 9 hours ago
2760

  REPLY



Rohon Purkait 12 hours ago
H.W : 18. A) 120
19. C) 23:18
20) B) 2760

  REPLY



Learn in shorts 12 hours ago
D

  REPLY



What value should come in the place of question mark(?) in the following questions.

$$4^4 + 5^4 + 10\% \text{ of } 8000 = ?^2$$

- (A) 47 (B) 43 (C) 41 (D) 49 (E) None of these



What value should come in the place of question mark(?)in the following questions.

$$\sqrt{5929} + \sqrt{729} = \sqrt{10404} + ?$$

- (A)5 (B)11 (C)9 (D)7 (E)None of these



What value should come in the place of question mark(?)in the following questions.

$$9.6 \div 0.24 \times 2.5 + 150 = ?$$

- (A)250 (B)275 (C) 225 (D)200 (E)None of these



What value should come in the place of question mark(?) in the following questions.

$$\sqrt{729} - \sqrt[3]{5832} = \sqrt{?}$$

- (A)64 (B)121 (C)36 (D)49 (E)None of these



What value should come in the place of question mark(?) in the following questions.

$$13\% \text{ of } 1100 + 17\% \text{ of } 2100 = ? + 26\% \text{ of } 350$$

- (A)317 (B)432 (C)409 (D)452 (E)None of these



What should come at place of the question mark (?) in the following number series ?

11 . 14 , 8 , 10 , 24 , 104 , ?

(A)826

(B)832

(C)848

(D)842

(E)None of these



What should come at place of the question mark (?) in the following number series ?

12 . 45 , 57 , 81 , 117 , 165 , ?

(A)215

(B)205

(C)235

(D)245

(E)225



0:30

What should come at place of the question mark (?) in the following number series ?

13 . 987 , ? , 1789 , 2078 , 2303

(A) 1498

(B) 1428

(C) 1650

(D) 1628

(E) 1720



0:30

What should come at place of the question mark (?) in the following number series ?

14. 8, 31, 122, 485, 1936, 7739, ?

(A) 30950

(B) 46430

(C) 34560

(D) 42850

(E) 43560



0:30

What should come at place of the question mark (?) in the following number series ?

15 . 5 , 28 , 57 , 88 , 125 , ?

(A)156

(B)147

(C)166

(D)186

(E)176



0:30

Directions (Q. 21-25):-Direction for Question Study the following graph and answer the questions given below . Following table shows the percentage of boys and difference between the number of boys and the number of girls among the students of six different schools who appeared in board examination in different years.

निम्नलिखित ग्राफ का अध्ययन कर दिये गये प्रश्नों के उत्तर दीजिए निम्नलिखित टेबल 6 स्कूल में बोर्ड की परीक्षा में विभिन्न वर्षों में सम्मिलित लड़कों का % व लड़कियों व लड़को की संख्या में अंतर प्रदर्शित करती है

	2012		2013		2014		2015	
	% Boys	Diff	%Boys	Diff	%Boys	Diff	%Boys	Diff
A	70%	68	60%	35	75%	92	60%	43
B	40%	42	48%	9	45%	24	60%	35
C	44%	30	55%	12	60%	26	56%	12
D	44%	42	57%	42	55%	36	65%	96
E	75%	140	60%	68	70%	132	66%	112
F	44%	45	56%	48	65%	114	45%	42

Q.21 :- What is the ratio of the total number of boys appeared from School C in 2012 to the total number of girls appeared from School E in the year 2014?

वर्ष 2012 में स्कूल C के लड़कों की कुल संख्या व वर्ष 2014 में स्कूल E की लड़कियों की कुल संख्या में क्रमशः क्या अनुपात है ?

- (A)1:9 (B)9:2 (C)9:10 (D)10:9 (E)10:7

0:30

	2012		2013		2014		2015	
	% Boys	Diff	%Boys	Diff	%Boys	Diff	%Boys	Diff
A	70%	68	60%	35	75%	92	60%	43
B	40%	42	48%	9	45%	24	60%	35
C	44%	30	55%	12	60%	26	56%	12
D	44%	42	57%	42	55%	36	65%	96
E	75%	140	60%	68	70%	132	66%	112
F	44%	45	56%	48	65%	114	45%	42

Q.22 :- What is the average of the number of boys who appeared from School E, taking all the four years together?

एक साथ सभी चार वर्षों में स्कूल E से सम्मिलित होने वाले लड़कों का औसत क्या है ?

- (A)205 (B)209 (C)213 (D)219 (E)222

0:30

	2012		2013		2014		2015	
	% Boys	Diff	%Boys	Diff	%Boys	Diff	%Boys	Diff
A	70%	68	60%	35	75%	92	60%	43
B	40%	42	48%	9	45%	24	60%	35
C	44%	30	55%	12	60%	26	56%	12
D	44%	42	57%	42	55%	36	65%	96
E	75%	140	60%	68	70%	132	66%	112
F	44%	45	56%	48	65%	114	45%	42

Q.23 :- What is the total number of girls who appeared in the examination from all the six schools in the year 2013?

वर्ष 2013 में सभी छः स्कूलों से सम्मिलित होने वाली लड़कियों की कुल संख्या क्या है ?

- (A)532 (B)567 (C)590 (D)639 (E)682

0:30

	2012		2013		2014		2015	
	% Boys	Diff	%Boys	Diff	%Boys	Diff	%Boys	Diff
A	70%	68	60%	35	75%	92	60%	43
B	40%	42	48%	9	45%	24	60%	35
C	44%	30	55%	12	60%	26	56%	12
D	44%	42	57%	42	55%	36	65%	96
E	75%	140	60%	68	70%	132	66%	112
F	44%	45	56%	48	65%	114	45%	42

Q.24 :- What is the difference between the total number of students appearing from School B in the year 2013 and that in 2015?

वर्ष 2013 और 2015 में स्कूल B से सम्मिलित होने वाले छात्रों की कुल संख्या में क्या अंतर है ?

- (A)0 (B)1 (C)2 (D)3 (E)None of these

0:30

	2012		2013		2014		2015	
	% Boys	Diff	%Boys	Diff	%Boys	Diff	%Boys	Diff
A	70%	68	60%	35	75%	92	60%	43
B	40%	42	48%	9	45%	24	60%	35
C	44%	30	55%	12	60%	26	56%	12
D	44%	42	57%	42	55%	36	65%	96
E	75%	140	60%	68	70%	132	66%	112
F	44%	45	56%	48	65%	114	45%	42

Q.25 :- Total number of students appearing from School F in the year 2012 is what per cent of the total number of students appearing from School C in the year 2012?

वर्ष 2012 में स्कूल F से कुल सम्मिलित छात्रों की संख्या, वर्ष 2012 में स्कूल C से सम्मिलित होने वाले छात्रों की कुल संख्या का कितने प्रतिशत है ?

- (A)100% (B)115% (C)120% (D)130% (E)None of these

0:30

	2012		2013		2014		2015	
	% Boys	Diff	%Boys	Diff	%Boys	Diff	%Boys	Diff
A	70%	68	60%	35	75%	92	60%	43
B	40%	42	48%	9	45%	24	60%	35
C	44%	30	55%	12	60%	26	56%	12
D	44%	42	57%	42	55%	36	65%	96
E	75%	140	60%	68	70%	132	66%	112
F	44%	45	56%	48	65%	114	45%	42

Direction (21 to 25):- In each question two equations numbered (I) and (II) are given. You have to solve both the equations and mark appropriate answer.

- (a) If $x > y$**
- (b) If $x < y$**
- (c) If $x \geq y$**
- (d) If $x \leq y$**
- (e) $x = y$ or no relation can be established**

Q.21 :-

I. $(x - 18)^2 = 0$

II. $y^2 = 324$

Q.22 :-

I. $3x^2 + 7y - 6 = 0$

II. $6(2y^2 + 1) = 17y$

Q.23 :-

I. $4x^2 - 14x + 12 = 0$

II. $2y^2 - 3y + 2 = 0$

Q.24 :-

I. $x^2 - 1 = 0$

II. $y^2 + 4y + 3 = 0$

Q.25 :-

I. $x^3 = -70496$

II. $y^2 = 7921$

0:30

Directions (Q. 16-20):- A total of 1280 students are enrolled in three different subjects - Mathematics, Physics and Chemistry, for the postgraduate course at Lucknow University. 18.75% of the total students enroll in Mathematics only, 15.625% in Physics only and 17.1875% in Chemistry only. Ratio of total students admitted in mathematics and physics subjects is 9: 8 and the total number of students enrolled in chemistry is 430, and 60 students enroll in all three subjects. 130 students take admission in Physics and Chemistry.

लखनऊ विश्वविद्यालय में स्नातकोत्तर कोर्स के लिए तीन अलग-अलग विषय गणित, भौतिकी और रसायन में कुल 1280 विद्यार्थी दाखिला लेते हैं। कुल विद्यार्थियों का 18.75% केवल गणित विषय में, 15.625% केवल भौतिकी तथा 17.1875% केवल रसायन में दाखिला लेते हैं। गणित और भौतिकी विषयों में कुल दाखिल विद्यार्थियों का अनुपात 9: 8 है और रसायन विषय में कुल दाखिल विद्यार्थियों की संख्या 430 है, तथा 60 विद्यार्थी तीनों विषयों में दाखिला लेते हैं। 130 विद्यार्थी भौतिकी तथा रसायन में दाखिला लेते हैं।

Directions (Q. 16-20):-A total of 1280 students are enrolled in three different subjects - Mathematics, Physics and Chemistry, for the postgraduate course at Lucknow University. 18.75% of the total students enroll in Mathematics only, 15.625% in Physics only and 17.1875% in Chemistry only. Ratio of total students admitted in mathematics and physics subjects is 9: 8 and the total number of students enrolled in chemistry is 430, and 60 students enroll in all three subjects.130 students take admission in Physics and Chemistry.



Q.16 :- What is the ratio of those enrolled in Chemistry only to those who enroll only in Mathematics and Physics ?

केवल रसायन में दाखिला लेने वाले का केवल गणित और भौतिकी में दाखिला लेने वाले से अनुपात क्या है?

- (A) 12 : 11 (B) 3:1 (C) 22:7 (D) 11:4 (E) None of these

0:30

Q.17 :- Due to a problem, some students leave the university and it is equal to 5% of the total students and these students are only in the subject of Chemistry, then what is the decrease % in the number of children enrolled in Chemistry? (Near to two decimal points)

एक समस्या की वजह से कुछ विधार्थी विश्वविद्यालय छोड़ कर चले जाते है और यह कुल विधार्थियों के 5% के बराबर है तथा ये विधार्थी केवल रसायन विषय के है, तो रसायन विषय में दाखिला लेने वाले बच्चों में कितने % की कमी आई है ? (दशमलव के दो बिंदुओं तक)

(A)11.18%

(B)15.98%

(C)14.88%

(D)19.09%

(E)None of these



Q.18 :- If there is a 5% increase in students enrolling and this increase is only in Mathematics, then the number of students in Mathematics only is approximately what % of the number of students in Chemistry only?

यदि दाखिला लेने वाले विद्यार्थियों में 5% की बढ़त होती है और यह बढ़त केवल गणित में होती है तो अब केवल गणित में विद्यार्थियों की संख्या, केवल रसायन में विद्यार्थियों की संख्या का लगभग कितना % है

(A)149%

(B)132%

(C)118%

(D)138%

(E)None of these



Q.19 :- The average number of students enrolled in Only Mathematics and Physics, only Physics and Chemistry, only Chemistry and Mathematics and all three subjects are.
केवल गणित और भौतिकी, केवल भौतिकी और रसायन, केवल रसायन और गणित तथा तीनों विषयों में दाखिला लेने वाले विद्यार्थियों की औसत संख्या है।

- (A)80 (B)60 (C)50 (D)90 (E)None of these



Q.20 :- Total number of students enrolled Mathematics only, is what % of the total number of students enrolled in Physics only?

केवल गणित में दाखिला लेने वाले कुल विधार्थी, केवल भौतिकी में दाखिला लेने वाले विधार्थी का कितना % है ?

(A)120%

(B)83.33%

(C)110%

(D)91%

(E)None of these

0:30

Q.21 :- A bank offers 10% compound interest per four months. A customer deposits Rs 5000 each on 1st January, on 1st April and on 1st August of a year. At the end of the year, find the amount he would have gained by means of interest?

एक बैंक हर चार महीने में 10% चक्रवृद्धि ब्याज देता है। एक ग्राहक 1 जनवरी, 1 अप्रैल और वर्ष के 1 अगस्त को 5000 रुपये जमा करता है। वर्ष के अंत में, ब्याज के माध्यम से उसे प्राप्त होने वाली राशि ज्ञात कीजिए?

- (A)1050 (B)3205 (C)5000 (D)2500 (E)None of these



Q.22 :- A took 15 sec to cross a rectangular field diagonally walking at the rate of 52 m/min and B took the same time to cross the same field along its sides walking at the rate of 68 m/min. The area of the field is

A 52 मीटर/मिनुट की दर से तिरछे चलते हुए एक आयताकार क्षेत्र को पार करने में 15 सेकंड का समय लेता है और B उसी समय को 68 मीटर/मिनुट की दर से चलते हुए उसी क्षेत्र को उसकी भुजाओं के साथ पार करने में लेता है। मैदान का क्षेत्रफल है

(A) 30m^2

(B) 40m^2

(C) 50m^2

(D) 60m^2

(E) 75m^2

0:30

Q.23 :- A man has 9 friends, 4 boys and 5 girls. In ---- ways he can invite them, if there have to be exactly invitees. ----- girls in the Which of the following options satisfy the given condition? एक व्यक्ति के 9 मित्र हैं, जिनमे से 4 लड़के तथा 5 लड़कियां हैं. वह कुल ----- तरीकों से उन्हें आमंत्रित कर सकता है जिसमे की ----- ही लड़कियां हमेसा होनी चाहिए निम्नलिखित में से किस विकल्प में लड़कियां दी गई शर्त को पूरा करती हैं?

(A)320,2

(B)160,3

(C)80,4

(D)160,5

(E)200,3

0:30

Q.24 :- Rajan invest money in 3 different scheme for 6 years, 10 years and 12 years at the rate 10%, 12% and 15% S.I respectively at the completion of each scheme he gets the same interest. Then find the ratio of his investment?

राजन 3 अलग-अलग योजनाओं में 6 साल, 10 साल और 12 साल के लिए क्रमशः 10%, 12% और 15% की दर से निवेश करता है। प्रत्येक योजना के पूरा होने पर उसे समान ब्याज मिलता है। तो उसके निवेश का अनुपात ज्ञात कीजिये?

(A)6:3:2

(B)6:2:3

(C)3:6:2

(D)2:3:6

(E)None of these



Q.25 :- What is the ratio of the savings of Ritesh, Rakesh and Rohan. If their income ratio of 7:9:12 and their expenditure ratio is 8:9:15, if Rohan saves 25% of his income.

रितेश, राकेश और रोहन की बचत का अनुपात कितना है? यदि उनकी आय का अनुपात 7:9:12 और उनका व्यय अनुपात 8:9:15 है, यदि रोहन अपनी आय का 25% बचाता है।

(A) 15:18:11

(B) 11:18:15

(C) 18:11:15

(D) 11:15:88

(E) None of these

0:30

THANKS

