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IBPS PO Prelims – Set 2

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Instructions

- There are three sections in the exam. Namely, English Language, Reasoning ability and Quantitative Aptitude
- Each question carries 1 mark
- This test contains 100 questions
- There is negative marking of 0.25 for every wrong answer

English Language

Directions (Q. 1-15) Read the following passage carefully and answer the questions given below it. Certain words have been printed in bold to help you to locate them while answering some of the questions.

The education sector in India is in ferment, hit by a storm long waiting to happen. The butterfly that flapped its wings was the much-reiterated statement in a much publicized report that hardly a fourth of graduating engineers and an even smaller percentage of other graduates, was of employable quality for IT-BPO jobs. This **triggered a cyclone** when similar views were echoed by other sectors which led to widespread debate. Increased industry-academia interaction, "finishing schools" and other efforts were initiated as immediate **measures** to **bridge** skill deficits. These, however, did not work as some felt that these are but band-aid solutions: instead, radical systemic reform is necessary.

Yet there will be serious challenges to overdue reforms in the education system. In India as in many countries education is treated as a holy cow: sadly the administrative system that oversees it has also been deceived. Today, unfortunately, there is no protest against selling drinking water or paying to be cured of illness, or for having to buy food when one is poor and starving: nor is there an outcry that in all these cases there are commercial companies operating on a profit-making basis. Why, then is there an instinctively adverse reaction to the formal entry of 'for profit' institutes in the realm of education? Is potable water, health or food, less basic a need, less important a right, than higher education?

While there are strong arguments for free or subsidized higher education, we are not writing on a blank page. Some individuals and businessmen had entered this sector long back and found devious ways of making money, thought the law stipulates that educational institutes must be 'not-for-profit' trusts or societies. Yet, there is opposition to the entry of 'for-profit' corporates, which would be more transparent and accountable. As a result, desperately needed investment in promoting the wider reach of quality education has been stagnated at a time when financial figures indicate that the allocation of funds for the purpose is but a fourth of the need.

Well-run corporate organizations, within an appropriate regulatory framework, would be far better than the so-called trusts which barring some **noteworthy** exceptions are a blot on education. However, it is not necessarily a question of choosing one over the other: different organizational forms can coexist, as they do in the health sector. A regulatory framework which creates competition, in tandem with a rating system, would automatically ensure the quality and relevance of education. As in sectors like telecom and packaged goods, organizations will quickly expand into the hinterland to tap the large unmet demand. Easy loan/scholarship arrangements would ensure affordability and access.

The only real structural reform in higher education was the creation of the institutes for technology and management. They were also given autonomy and freedom beyond that of the universities. However, in the last few years, determined efforts have been underway to curb their autonomy. These institutes, however, need freedom to decide on recruitment, salaries and admissions, so as to compete globally.

However, such institutes will be few. Therefore, we need a regulatory framework that will enable and encourage states and the centre, genuine philanthropists and also corporates to set up quality educational institutions. The regulatory system needs only to ensure transparency, accountability, competition and widely available independent assessments or ratings. It is time for



radical thinking, bold experimentationand new structures; it is time for the government to bite the bullet.

- 1. Why, according to the author, did the initiatives such as increased industry-academia and finishing schools did not help to bridge the skill deficit?
- A. These steps were only superficial remedies and the problem could be answered only by reforming the entire education system.
- B. These initiatives operated on a profit making basis rather than aiming at any serious systemic reforms.
- C. The allocation of funds to such initiatives was only one fourth of the need.
 - a) Only A

b) Only B

c) Only B and C

- d) Only A and B
- e) None of these
- 2. Which of the following suggestions have been made by the author to improve the state of education in India?
- A. Allowing the corporate organizations to enter the education sector.
- B. Easy availability of loans and scholarships for making education more affordable.
- C. A rating system for all the organizations to ensure quality.
 - a) Only A

- b) Only A and B
- c) Only A and C

- d) All A, B and C
- e) None of these
- 3. According to the author, what 'triggered a cyclone' which saw similar views on the state of education being echoed across other sectors as well?
 - a) The campaign for allowing corporates in the education sector on a 'for profit' basis
 - b) The support for the increase in the industry academia interaction
 - c) The report mentioning that only a small percentage of graduates were employable in software industry
 - d) The report supporting the idea of making the education completely 'for profit' in order to improve upon the standards
 - e) None of these
- 4. Which argument does the author put forward when he compares the education sector with sectors catering to health and potable water etc.?
 - a) Education should also be provided free of cost to all as health services and water
 - b) Taking an example from these sectors, there should be a protest against the commercialization of education as well
 - c) Allowing corporate entry in education would result in rampant corruption as in the sectors of health and potable water etc.
 - d) As in these sectors, commercial organizations should also be allowed to enter the education sector
 - e) None of these
- 5. What does the author mean by the phrase 'we are not writing on a blank page' in context of the passage?
 - a) Corporates would never enter education if they are forced to function on a non profit making basis
 - b) The commercialization of education has already started in India
 - c) Education has been reduced to a profit making sector by some corporate organizations
 - d) Government will not allow corporates to enter education as India can't afford to have costly education
 - e) None of these
- 6. What is the author's main objective in writing the passage?
 - a) To suggest the ways to improve quality of education in India
 - b) To highlight the corruption present in the education sector



- c) To compare the education sector with other sectors
- d) To suggest some temporary solutions to the problems in education
- e) None of these
- 7. According to the author, which of the following was the only step taken in order to reform the higher education?
 - a) Allowing organizations to enter the education sector on a 'for profit' basis
 - b) Creation of autonomous institutes for management and technology which were not under university control
 - c) Setting up the regulatory framework for all the existing universities
 - d) Making the availability of educational loans and scholarships easier
 - e) None of these
- 8. Which suggestion does the author make in order to make the institutes of higher learning for technology and management capable of competing globally?
 - a) To limit their autonomy to acceptable limit and give partial controls to the government
 - b) To allow corporate organizations to take them over in order to provide more funds
 - c) To increase the allocation of funds to such institutes
 - d) All of the above
 - e) None of these
- 9. Which of the following is not true in context of the given passage?
 - a) According to the law, education institutes should not be run for profit
 - b) There has been no protest against the selling of drinking water and paying for the health services
 - c) Only either corporate organizations or government controlled organizations can exist in the education sector
 - d) The introduction of 'for profit' corporates in the education sector has been facing a lot of criticism
 - e) All are true

Directions (Q. 10-12) Choose the word which is most similar in meaning to the word printed in bold as used in the passage.

10.	Devious a) Dishonest d) Various	b) Different e) Trivial	c) Severe
11.	Measures a) Amount d) Capacity	b) Quantity e) Length	c) Steps
12.	Bridge a) Connect d) Link	b) Eliminate e) Fuse	c) Unite

Directions (Q.13-15) Choose the word/phrase which is most opposite in meaning to the word printed in bold as used in the passage.

13. Promoting		
a) Demoting	b) Delaying	c) Postponing
d) Broadening	e) Hampering	

14. Noteworthy

a) Unnoticed b) Insignificant c) Indefinite



d) Remarkable e) Obsolete

15. Transparent

a) Reputedb) Opaquec) Defectived) Corrupte) Thick

Directions (Q. 16-20) Read each sentence to find out whether there is any grammatical error in it. The error if any will be in one part of the sentence the number of that part will be the answer. If there is no error, mark (5) as the answer. (Ignore errors of punctuation, if any)

- 16. I may go to the (1) / swimming class tomorrow (2) / if I have recovered (3) / from the cold. (4) / No error (5)
- 17. The Prime Minister announced (1) / that the taxes will be (2) / increasing from the (3) / beginning of the next year. (4) No error (5)
- 18. He is the most (1) / intelligent and also (2) / the very talented (3) / student of the college. (4) No error (5)
- 19. She immediately quit (1) / the job in which (2) / neither the skill nor (3) / knowledge were required. (4) No error (5)
- 20. The meteorological department (1) / predicted that the (2) / rains and thunderstorm may (3) / continue throughout today. (4) No error (5)

Directions (Q. 21-25) Which of the phrases (1), (2), (3) and (4) given below each statement should replace the phrase printed in bold in the sentence to make it grammatically correct? If the sentence is correct as it is given and 'No correction is required', mark (5) as the answer.

- 21. The corruption charges were a huge blow to his reputation and **his business suffered to** a great extent.
 - a) his business suffers to
 - b) his business suffered on
 - c) his business suffering to
 - d) his business suffers on
 - e) No correction required
- 22. Airline companies pay nearly 25 billion dollars for **their right of fly** over the countries other than their parent country.
 - a) their right to fly
 - b) their right in flying
 - c) their right to flying
 - d) there right of flight
 - e) No correction required
- 23. When he fell down the ditch, he shouted with all his might so that to catch someone's attention.
 - a) such that to catch
 - b) so as to catch
 - c) so that to catching
 - d) so then to catch
 - e) No correction required
- 24. The disparity between the earnings of the poor and the rich has widen in the last few decades.
 - a) have widen in
 - b) has widened on
 - c) have widened in
 - d) has widened in
 - e) No correction required



25.	Instead of teaching abstracted concepts	s, the new	and i	improved	textbooks	tell	stories	of re	al
	people so that the children can identify w	ith the cha	aracte	ers.					

- a) Inspite of teaching abstracted
- b) Instead of taught abstract
- c) Instead of teaching abstract
- d) Inspite of taught abstract
- e) No correction required

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Directions (Q.26-30) Rearrange the following sentences (A), (B), (C), (D), (E) and (F) to make a meaningful paragraph and then answer the questions which follow.

- (A) The blame for lacking creativity is, however, put on the present generation by the modern educationists.
- (B) The concept of home work began so that the pupils could revise that was being taught in the class.
- (C) By doing so, most of the schools took away the leisure time of the children.
- (D) Instead, these educationists should suggest lowering of burden of homework to the commission for educational reforms.
- (E) The purpose of this concept was, however, defeated when the schools started overburdening students with so called homework.
- (F) Lack of such leisure time does not allow the children to develop creative pursuits.

26.	Which of the following sentence	e should be 3 rd after rearrangeme	nt?
	a) A	b) E	c) D
	d) F	e) C	
27.	Which of the following sentence	e should be 1 st after rearrangemer	nt?
	a) A	b) B	c) C
	d) D	e) E	-, -
• 0	*****	and a	2
28.		e should be 2 nd after rearrangeme	
	a) A	b) B	c) D
	d) E	e) F	
29.	Which of the following sentence	e should be 6 th (Last) after rearran	ngement?
	a) B	b) C	c) D
	d) E	e) F	
30	Which of the following sentence	e should be 5 th after rearrangemen	nt?
50.	a) A	b) B	c) C
		e) F	<i>C) C</i>
	d) E	C) I.	

Reasoning Ability

31.	If it is possible to make only one meaningful word from 1 st , 3 rd , 6 th and 8 th letters of the word
	'EXAMINATION', using each letter only once, 1st letter of that word is your answer. If more
	than one such word can be formed your answer is 'X' and if no such word can be formed your
	answer is 'Y'.

a)	Α

b) T

c) N

d) X

e) Y

32.	how wi		CTUAL' be writ	LUB' is written as 'XOFY', 'Noten in that code language? b) KFMXGZFO e) None of these	OT' is written as 'MLG', then c) KFMXGFZO
33.	than A	mar. Wh	o among them is	t shorter than Rakesh. Rakesh is the shortest? b) Suresh e) None of these	
resultar questio	nt numb	er in each	ch row is to be	following questions, two rows worked out separately based or re to be answered. The operation	n the following rules and the
Rules (i) (ii) (iii) (iv)	If a If a is t If a is t If a	nn even ran even r o be sub an odd nu s second	number is followed tracted from the number is followed umber is followed number.	d by another composite odd numed by an odd number, they are to red by a number which is the perperfect square. In the day a prime odd number, the first by an even number, the second	be added. Frect square, the even number rst number is to be divided by
34.	15 P If 'p' is a) 58 d) 82	8 3 s the resu	21 27 altant of the first	row, what will be the resultant o b) 76 e) None of these	the second row? c) 27
35.	12 20 If 'm' i a) 69 d) 121	64 m s the res	17 16 ultant of the first	row, what will be the resultant of b) 85 e) None of these	of the second row? c) 101
36.	85 16 If 'r' is a) 175 d) 210	17 19 the resu	35 r ltant of the first	row, what will be the resultant of b) – 5 e) None of these	f the second row? c) 75
37.	24 D If 'd' is a) 37 d) 29	15 6 s the resu	3 15 altant of the first	row, what will be the resultant o b) 8 e) None of these	of the second row?
38.	28 h If 'h' is a) 13 d) 27	49 3 s the resu	15 12 altant of the first	row, what will be the resultant o b) 15 e) None of these	f the second row? c) 19

39.	36 15 3		
	12 3 n		
	If 'n' is the resultant of the first	st row, what will be the resultant	of the second row?
	a) 15/17	b) 32	c) 12/17
	d) 36	e) None of these	
Directi	ions (Q. 40-44) Read the follow	ving information carefully to answ	ver the questions given below.
I.	There are six members in	a family.	
II.	The members are A, B, C,	D, E and F.	
III.	D is the daughter of F who	is the mother of E.	
IV.	E is the daughter of A.		
V.			
VI.	The family consists of one	e couple who has their parents and	d their children.
40.	What relationship do D and E a) Mother and son b) Sister and brother c) Sisters	bear to each other?	
	d) Grandmother and granddau	ghter	
41	Who are the male members in	the family?	
71.	a) A, B and D	b) C and F	c) A and C
	d) Can't be determined	e) None of these	c) 11 unu c
	,	,	
42.	Which of the following pairs a	_	
	a) BF	b) CF	c) BC
	d) Can't be determined	e) None of these	
43.	How many female members as	re there in the family?	
	a) 4	b) 3	c) 2
	d) Can't be determined	e) None of these	
44.	Which of the following pairs a	are the parents of the couple?	
	a) CF	b) AF	c) BC
	d) AB	e) None of these	
45.		the bell is rung at regular interval is due to be rung at 7:45 am. A	
	a) 6:55 am	b) 7:00 am	c) 7:05 am
	d) 7:40 am	e) None of these	,
46.	If day before yesterday was tomorrow?	Saturday, then what day of the	week will it be on day after
	a) Friday	b) Thursday	c) Wednesday
	d) Tuesday	e) None of these	•
47.	_	m, then he takes a turn to South- Vest and goes 5 km with respec	-

e) None of these

Directions (Q. 48-52) Study the information carefully and answer the questions.

S, T, U, V, W, X, Y and Z are sitting around a circle area, with equal distance amongst each other but not necessarily in the same order.

Only two people face the centre and the rest face outside (i.e. in a direction opposite to the centre)

Y sits 2^{nd} to left of W. S sits 2^{nd} to left of Y. Only one person sits between S and Z. T sits to immediate right of S. T is not an immediate neighbor of Y. V is not an immediate neighbor of Y.

neui	Both the immediate neighbours of X face the centre.					
48.	Who is sitting to immediate right a) Y d) X	at of Z? b) V e) W	c) T			
49.	Which of the following is true rea: a) X sits 2 nd to left of U b) Only three people sit between c) Z is one of the immediate nei; d) U faces the centre e) S sits to immediate left of U	ı U and Y	ng arrangement?			
50.	What is T's position with respect a) 2 nd to the right b) 2 nd to the left c) 5 th to the left d) 4 th to the right e) 3 rd to the left	et of Y?				
51.	Which of the following groups r a) WY d) VZ	represents the immediate neighbors) VW e) SU	ours of X?			
52.	Four of the following five are a and so form a group. Which is the a) Z d) V	alike in a certain way based on he one that does not belong to the b) T e) X	0 0			
ecti	ons (Q. 53-62) Study the follo	wing information carefully and	l answer the questions given			

Directions (Q. 53-62) Study the following information carefully and answer the questions given below.

Following are the conditions for granting agricultural loan of Rs.1 Lakh to the farmers by a Gramin Bank.

The farmer must

- (i) Have at least three acres of land
- (ii) Not be more than 55 years old as on 1st November, 2008
- (iii) Be able to provide collateral security of at least Rs.50000
- (iv) Not be having any other outstanding loan from the bank
- (v) Repay the loan in two years time

In the case of a farmers who satisfies all other criteria except

- (a) At (iii) above but can give collateral security of at least Rs.25000, the case is to be referred to the GM of the bank.
- (b) At (iv) above but the balance outstanding loan is less than Rs.40000, the case is to be referred to the Chairman of the bank.



In each question below is given the details of one farmer. You have to take one of the following courses of action based on the information provided and the conditions and sub-conditions given above. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 01st November, 2008.

Give answer

- (a) If the loan is to be granted to the farmer
- (b) If the loan is not to be granted to the farmer
 (c) If the data provided are inadequate to take a decision
- (d) If the case is referred to GM
- (e) If the case is to be referred to the Chairman
- 53. SauravBehera was born on 12th July, 1962. He will repay the loan in 24 equated monthly installments. He has provided collateral security of Rs.20000. He does not have any outstanding loan from the bank. He owns four acre of land.
- 54. Jagat Das owns six acre of land. He was born on 5th December, 1960. He has an outstanding loan from the bank of Rs.35000. He has provided collateral security of Rs.50000. He will repay the loan in two years time.
- 55. Sudesh Gaur has provided collateral security of Rs.30000. He owns six acre of land. He will repay the loan in two year time. He does not have any outstanding loan from the bank. He was born on 28th February, 1961.
- 56. Mohd. Ghous owns three acre of land. He was born on 20th October, 1953. He does not have any outstanding loan from the bank. He will repay the loan in 2 years time. He has provided collateral security of 80000.
- 57. Nimesh Patel has an outstanding loan from the bank to the extent of Rs.35000. He will repay the loan on two years time. He owns five acre of land. He has provided documents of collateral security of Rs.55000. He was born on 08th May, 1958.
- 58. SushilGhatgeowns three acre of land and he does not have any outstanding loan from the bank. He will repay the loan in 24 equated monthly installments. He has provided collateral security of Rs.60000.
- 59. Mohan Dev was born on 02nd April, 1955. He owns four acre of land. He does not have any outstanding loan from the bank. He will repay the loan within 2 years. He has provided documents of collateral security of Rs.70000.
- 60. Francis D'Costa owns four acre of land. He was born on 15th July, 1959. He can repay the loan in 2 years time. He has an outstanding loan from the bank to the extent of Rs.35000. He has provided collateral security of Rs.65000.
- 61. Sukhdev Singh was born on 12th October, 1955. He will repay the loan in 24 equated monthly installments. He has provided collateral security of Rs.70000. He own seven acre of land.
- 62. Neeraj Kumar owns five acre of land. He will repay the loan in 2 years time. He does not have any outstanding loan from the bank. He has provided collateral security of Rs.30000. He was born on 19th December, 1958.

Directions (Q. 63-65) Following questions are based on the five three digit numbers given below.

519 378 436 624

63. If the positions of the 1st and the 3rd digits within each number are interchanged, which of the following will be 2nd smallest number?

a) 519

c) 436

d) 624

e) 893

64. If '1' is subtracted from 1st digit in each number and '1' is added to 2nd digit in each number, which will be 3rd digit of 2nd highest number?

a) 9

b) 8

c) 6

d) 4

e) 3

65. If the position of 1st and 2nd digits within each number are interchanged, which of the following will be the highest number?

a) 519

b) 378

c) 436

d) 624

e) 893

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Quantitative Aptitude

	_	-	
66.		times their HCF. If one of the n	umbers is 125 and the sum of
	HCF and LCM is 1150, the other		
	a) 215	b) 220	c) 225
	d) 235	e) None of these	
67.	If $\frac{1}{3+3^{-1}} + \frac{1}{1+3^2} = 4a$, then the v	alue of a is	oday.com
	a) 1	b) 10	c) $\frac{1}{10}$
	d) $\frac{3}{10}$	e) None of these	
69	If $\sqrt{11} = 2.216$, $\sqrt{110} = 10499$	then the value of $\sqrt{1.1} + \sqrt{1100}$	1. 1/0.011 is
00.		b) 34.31	c) 38.63
	a) 31.72 d) None of these	0) 34.31	c) 38.03
	d) None of these		
69.		her by 20 years and the father v	was 40 years old 5 years ago.
	What will be total age of the fat		\ 0.7
	a) 70	b) 90	c) 85
	d) 80	e) None of these	
70.	and the denominator is decrease	s 3 more than its numerator. If the	
	of the fraction is		
	a) 7	b) 11	c) 13
	d) 17	e) None of these	
71.	-	n Mohit. Mohit invested 10% les	
		How much amount did Raghu in	
	a) Rs.6000	b) Rs.8000	c) Rs.7000
	d) Rs.5000	e) None of these	
72.	An article when sold for Rs.200 if 6 such articles are sold for Rs) fetches 25% profit. What would	d be the percentage profit/loss
	a) 10% loss	b) 10% profit	c) 5% loss
	d) 5% profit	e) None of these	,
73.	_	ven numbers A, B, C, D and E is	s 66. What is the product of B
	and E?	, , , , , , , , , , , , , , , , , , ,	r
	a) 4352	b) 4340	c) 4480
	d) 4224	e) None of these	,
		,	
74.	each son gets double the amour	mong his two sons, one daughter at of the daughter and the wife go hat was the total amount distribu	ets double the amount of each
	a) Rs.15750	b) Rs.15500	c) Rs.22500
	d) Rs.20250	e) None of these	0,110.22500
	u, 115.20230	e, none of these	
75.		ed among A, B and C in the rations than C, what is A's share in it?	2:3:7. If the total share of
	a) Rs.1000	b) Rs.1500	c) Rs.2000
	.,	-,	.,

e) None of these

d) Data sufficient

76.	A mixture of an herbal liquid and a base oil contains 45% herbal liquid by weight. 25gm of base oil is added to such 200 gm of mixture. What % of herbal liquid by weight is there in the new mixture?				
	a) 25	b) 60	c) 80		
	d) 40	e) None of these			
77.	In a test consisting 75 question questions correctly. What appraisure correctly to score 80% of	oximate percent of the other 3			
	a) 90 d) 65	b) 86 e) None of these	c) 70		
78.	26 men can complete a piece complete the work in 13 days?	of work in 17 days. How many	more men must be hired to		
	a) 34 d) 6	b) 8 e) None of these	c) 18		
79.	A cistern is filled in 9 hours ar cistern is full, in what time shall	the leak empty it?			
	a) 90 h d) 91 h	b) 94 h e) None of these	c) 92 h		
80.	greater part is	ole interest on the second part for	or 4-1/2 years at 16% p.a., the		
	a) Rs.6000 d) Rs.9000	b) Rs.8000 e) None of these	c) Rs.7500		
81.	A certain sum amounts to Rs.14 interest, then rate percent is	.52 in two years and to Rs.1597.2	20 in three years at compound		
	a) 10 d) 9	b) 11 e) None of these	c) 13		
82.	•	from Kapoor at the simple rate of borrowed sum and lent it to D y of interest on the total lent out	ipak for the same time at 8%		
	a) Rs.300 d) Rs.1400	b) Rs.550 e) None of these	c) Rs.261		
83.		take to cover a distance of 385 l	km?		
	a) 9 h d) 7 h	b) 9-1/2 h e) None of these	c) 8-1/2 h		
84.	A train 100 metre long meets a 7-1/5 seconds. The speed of the	train is	•		
	a) 40 km/h d) 52 km/h	b) 45 km/h e) None of these	c) 36 km/h		
85.	A person can swim in still water will the man take to swim back and 3	_	er is 2 km/h, how many hours c) 4-1/2		
	d) Insufficient data	e) None of these	,		

Directions (Q. 86-90) Study the following table carefully to answer to questions that follow.

Number of students studying in six different colleges over the years

Colleges	P	Q	R	S	T	U
Year						
2004	2500	2250	2450	2150	2020	2300
2005	2040	2300	2400	2200	2090	2120
2006	2100	2150	2330	2250	2180	2260
2007	2280	2600	2260	2340	2250	2490
2008	2540	2540	2120	2380	2310	2520
2009	2320	2440	2500	2480	2400	2440

86	What is the total	number of	students f	from all the	Colleges	together in th	e vear 2005
oo.	What is the total	mumber of	. students i	ioni an mc	Concess	together in th	c year 2005

a) 10350

b) 13150

c) 15310

d) 11350

e) None of these

87. What is the percent increase in the number of students in College T in the year 2007 from the previous year? (rounded off to two digits after decimal)

a) 8.33

b) 5.18

c) 6.63

d) 3.21

e) None of these

88. Number of students in College P in the year 2008 forms approximately what percent of the total number students in that College from all the years together?

a) 11

b) 31

c) 18

d) 26

e) 23

89. What is the respective ratio of total number of students in College S in the years 2006 and 2009 together to the total number of students in College U from the same years?

a) 473:470

b) 470:473

c) 371:390

d) 390:371

e) None of these

90. What is the average number of students in all the Colleges together in the year 2004? (rounded off to the nearest integer)

a) 2208

b) 2196

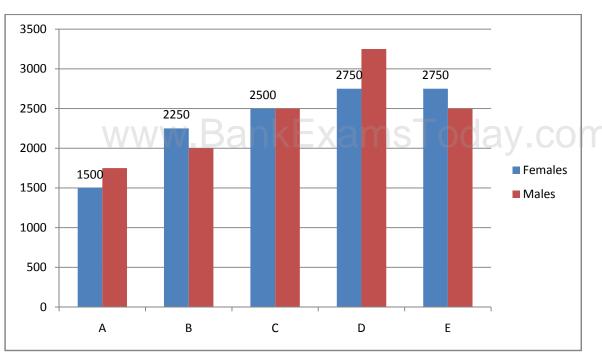
c) 2144

d) 2324

e) 2278

Directions (Q. 91-95) Study the following graph carefully to answer the questions that follow

Number of females and males working in five different organizations



0						
	Α	В	С	D	Е	
91.	The number of	Males in the	organization]	D forms wh	at percent of the	total number of
	employees from	that organizat	ion? (rounded o	off to two dig	its after decimal)	
	a) 54.17		b) 62.64		c) 52.25	
	d) 61.47		e) None of th	ese		
92.	What is the reorganization A?		of the number	er of Female	es to the number	r of Males from
	a) 11:8		b) 7:6		c) 8:11	
	d) 6:7		e) None of th	ese	,	
93.	Number of Fernumber of empl				imately what per	rcent of the total
	a) 58	J	b) 60		c) 52	
	d) 62		e) 55		,	
94.	What is the tota	l number of Fe	males from all t	the organizat	ions together?	
	a) 11540		b) 11750		c) 12440	
	d) 10250		e) None of th	ese	5, ==	
95	What is the tota	l number of em	nnlovees workir	ng in organiza	ation C and B toge	ether?
,	a) 8950		b) 9520	.g 91.gu	c) 8250	
	d) 9500		e) None of th	ese	c) 0230	
96	If 10 th June 200)1 is Sunday th	nen what day of	week lies on	10 th June, 2004?	
<i>,</i> 0.	a) Monday	. 1 15 Sunday, ti	b) Tuesday	JOR HOS OH	c) Thursda	v
	,		- /		-,	,

e) None of these

e) None of these

b) 9:20

97. If a train A crosses a pole in 33 seconds, second train B crosses the pole in 55 seconds. The length of train A is $3/4^{th}$ of B, then ration of their speeds is

c) 5:4

d) Wednesday

a) 3:5

d) 4:5

98.	The areas of a square and a rectangle are equal. The length of the rectangle is greater than the length of any side of the square by 5 cm. and breadth is less by 3 cm. The perimeter of the rectangle is										
	a) 17 cm d) 30 cm	n			b) 26 c	m e of thes	0		c) 34 c	m	
	d) 30 Ci	n			e) None	e or thes	e				
99.	If three diamete		. /=\ /\ /			cm and	10 cm,	are melt	ed to for	m a single sphere, th	ıe
	a) 24 cm		new spii	ere wiii	b) 16 c	m	CIII		c) 36 c	m , oon	
	d) 20 cm				,	e of thes	e		C) 30 C	III	
100	3 have 2	2 possib	le answ	ers each		e remain	ing one		_	ossible answers each	
	a) 1278		r		b) 1728	•			c) 1306	,)	
	d) 3240				,	e of thes	e		0) 1000		
Answ	ers:										
1.	Option .										
2.	Option 1										
3.	Option										
4.	Option 1										
5.	Option :										
6. 7.	Option .										
7. 8.	Option 1										
o. 9.	Option										
	Option .										
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	Option 1										
22.	Option .	A									
23.	Option 1	В									
	Option 1										
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	Option 1			т.	N		Tr.	•	0	NT	
E	X	A ard	M	I	N cth	A	T 8 th	I	O	N	
1 st	! 6 1	3 rd	NIE A Œ	A NITTE	6 th		8				
Me	aningful	words =	· NEA1,	, ANIE							

- 32. Option C
- 33. Option D

Rakesh>Mukesh> Suresh

Amar > Rakesh > Harish

The relation between Harish and Suresh cannot be established from the given information.

So, it is not possible to find out the shortest person.

Rules

- (i) Odd number + Composite odd number
- (ii) Even number + Odd number
- (iii) Even Number Perfect square number, then Perfect square number Even number
- (iv) Odd number ÷ Prime odd number
- (v) Odd number Even number
- 34. Option A

1^{st} row 15 $7 + 21 = 28$	8	21	15 - 8 = 7	(rule V) (rule i)
$= p$ 2^{nd} row p	3	27	28 3	27
28 + 3 = 31				(rule ii)
31 + 27 = 58				(rule i)

Resultant of 2^{nd} row = 58

35. Option E

$$1^{st}$$
 row 12 64 17 64 - 12 = 52 (rule iii)
 $52 + 17 = 69$ (rule ii)
= m
 2^{nd} row 20 m 16 20 69 16
 $20 + 69 = 89$ (rule ii)
 $89 - 16 = 73$ (rule v)

Resultant of 2^{nd} row = 73

36. Option B

$$1^{st}$$
 row 85 17 35 $85 \div 17 = 5$ (rule iv)
 $5 + 35 = 40$ (rule i)
 $= r$
 2^{nd} row 16 19 r 16 19 40
 $16 + 19 = 35$ (rule ii)
 $35 - 40 = -5$ (rule v)

Resultant of second row = -5

37. Option C

$$1^{st}$$
 row 24 15 3 24 + 15 = 39 (rule ii)
 $39 \div 3 = 13$ (rule iv)
 $= d$
 2^{nd} row d 6 15 13 6 15
 $13 - 6 = 7$ (rule v)
 $7 + 15 = 22$ (rule i)

Resultant of 2^{nd} row = 22

38. Option D

$1^{s\hat{t}}$ row 28	49	15	49 - 28 = 21	(rule iii)
21 + 15 = 36				(rule i)
= h				

$$2^{nd}$$
 row h 3 12 36 3 12 36 + 3 = 39 (rule ii) $39 - 12 = 27$ (rule v) Resultant of 2^{nd} row = 27

39. Option A

$$2^{\text{nd}}$$
 row 12 3 n 12 3 17
 $12 + 3 = 15$ (rule ii)
 $15 \div 17 = 15/17$ (rule iv)
Resultant of 2^{nd} row = $15/17$

- 40. Option C
- 41. Option D
- 42. Option E
- 43. Option A
- 44. Option C
- 45. Option C

Time of ringing bell = (7:45 - 0:45) = 7:00 am

But it happened 5 min. before the priest gave the information to the devotees.

Time of giving information = 7:00 + 0:05 = 7:05 am

46. Option C

Day before yesterday = Saturday

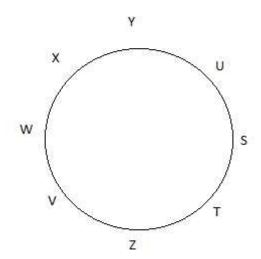
Yesterday = Saturday + 1 = Sunday

Today = Sunday + 1 = Monday

Tomorrow = Monday + 1 = Tuesday

Day after tomorrow = Tuesday + 1 = Wednesday

47. Option A



- 48. Option B
- 49. Option A
- 50. Option E
- 51. Option A
- 52. Option C

Candidates	(i)	(ii)	(iii)(a)	(iv)(b)	(v)

Saurav	True	True	False	True	True
Jagat	True	True	True	True	True
Sudesh	True	True	True	True	True
Mohd. Ghous	True	False			
Nimesh	True	True	True	True	True
Sushil	True		True	True	True
Mohan	True	True	True	True	True
Francis	True	True	True	True	True
D'Costa					
Sukhdev	True	True	True	?	True
Neeraj	True	True	True		

- 53. Option B
- 54. Option E
- 55. Option D
- 56. Option B
- 57. Option E
- 58. Option C
- 59. Option A
- 60. Option E
- 61. Option C
- 62. Option D
- 63. Option D
- 64. Option D
- 65. Option E
- 66. Option C

$$L = 45 \text{ H} \text{ and } L + H = 1150$$

$$H = 25$$

Let x be other number, $L \times H = Product$ of two numbers

$$(45 \times 25) \times 25 = \mathbf{x} \times 125$$

$$x = 225$$

- 67. Option A
- 68. Option B

$$\frac{\sqrt{1.1} + \sqrt{1100} + \sqrt{0.011}}{\frac{110}{100} + \sqrt{11} \times 100 + \frac{110}{10000}}$$

$$\frac{10.488}{10} + 3.313 \times 10 + \frac{10.488}{100}$$

$$1.0488 + 33.16 + .10488$$

$$= 34.31$$

69. Option D

5 years ago, father's age =
$$40$$
 years
Son's age = $40 - 20 = 25$
After 5 years, sum = $40 + 20 + 10 + 10 = 80$

70. Option C

Let numerator = x, denominator = x + 3

$$\frac{x+7}{x+3-2}$$
 = 2
x = 5, fraction = $\frac{5}{8}$, sum = 13

71. Option A

Investment of last person i.e. Raghu = Rs.100 Mohit = 100 - 10 = 90, Pradeep = $1.2 \times 90 = 108$ Total investment = 100 + 90 + 108 = 298, then investment of Raghu = Rs.100 When total investment = 17880, investment of Raghu = $\frac{100}{298} \times 17880 = Rs.6000$

72. Option B
$$CP = \frac{200}{5/4} = 160$$
% profit = $\frac{107 - 160}{160} \times 100 = 10\%$

73. Option C
Let the even numbers are
$$2x$$
, $2x + 2$ $2x + 8$
 $10x + 20 = 66 \times 5$
 $x = 31$
 $(2x + 2)(2x + 8) = 64 \times 70 = 4480$

74. Option D

W: S = 2:1, S: D = 2:1

W: S: D = 4:2:1

2x = 4500

There are 2 sons, so ratio distribution is 4:2 × 2:1 = 4:4:1

$$9x = \frac{4500}{2} \times 9 = \text{Rs.}20250$$

75. Option B

$$C - (A + B) = 1500$$

 $7x - (2x + 3x) = 1500$
 $x = 750$
A's share $= 2x = Rs.1500$

76. Option B

$$\frac{45\% \text{ of } 200}{200+25} = 40\%$$
77. Option B

$$75\% \times 40 + x\% \times 35 = 80\% \times 75$$

76. Option D

x = 86

78. Option B

$$x = 26 \times 17 = 13 \times x$$

 $x = 34, 34 - 26 = 8$

79. Option A

$$T = \frac{x(x+p)}{p} = \frac{9 \times 10}{1} = 90 \text{ hours}$$

80. Option B
$$\frac{x_1 \times 3 \times 12}{1000} = \frac{x_2 \times \frac{9}{2} \times 16}{1000}$$

$$\frac{x_1}{x_2} = \frac{2}{1}$$

$$x_1 = \text{Rs.} 8000$$

$$R = \frac{100 \times 145.20}{1452 \times 1} = 10\%$$

82. Option A

$$3 \times (8-5)$$
 % $1100 + 3 \times 8$ % of $x = Rs.173$
 $x = 300$

83. Option D Bank Exams Today com
$$\frac{n}{2}(2 \times 40 + (n-1)) = 385$$

84. Option B

$$t = \frac{Lt}{V_t - V}$$

$$\frac{36}{5} \times \frac{5}{18} = \frac{100}{V_t + 5}$$

$$V_t + 5 = 50$$

$$V_t = 45 \text{ km/h}$$

85. Option A

Using simple logic of relative velocity, current opposes the man, s

Time =
$$\frac{d}{x-y}$$

 $t = \frac{6}{4-2} = 3$ hours

86. Option B

Total number of students from all the colleges together = 2040 + 2300 + 2400 + 2200 + 2090+2120 = 13150

87. Option D

Required percentage growth =
$$\frac{2250-2180 \times 100}{2180}$$
 = $\frac{70 \times 100}{2180}$ = 3.21

88. Option C

Required percentage =
$$\frac{2540 \times 100}{2500 + 2040 + 2100 + 2280 + 2540 + 2320}$$

= $\frac{2540 \times 100}{13780}$ = 18.43% = 18%

89. Option A

90. Option E

Required average number =
$$\frac{2500+2250+2450+2150+2020+2300}{6}$$
$$=\frac{13670}{6} = 2278.33 = 2278$$

91. Option A

Option A Required percentage =
$$\frac{Number\ of\ males\ in\ organization\ D}{Number\ of\ males\ and\ females\ in\ organization\ D} \times 100$$
$$= \frac{3250}{3250 + 2750} \times 100 = \frac{3250}{6000} \times 100 = 54.167 = 54.17$$

92. Option D

Required ratio = Number of females in organization A : Number of males in organization A = 1500 : 1750 = 6 : 7

93. Option C

Required percentage = $\frac{Number\ of\ females\ in\ organization\ E}{Total\ number\ of\ employees\ in\ organization} \times 100$ $= \frac{2750 \times 100}{2750 + 2500} = \frac{2750 \times 100}{5250} = 52.38 = 52$

94. Option B

Number of females from all the organization together = 1500 + 2250 + 2500 + 2750 + 2750 = 11750

95. Option E

Total number of employees working in organizations C and B = 5000 + 4250 = 9250

96. Option C

In each ordinary years no of odd day = 1 So, 10^{th} June, 2001 _____ 10^{th} June, 2002 _____ 10^{th} June, 2003 2004 is a leap year, in a leap year, no. of odd days = 2 10^{th} June 2004 = Thursday

97. Option C

Le the lengths are 3x, 4x then A's speed = $\frac{3x}{33}$ B's speed = $\frac{4x}{55}$ ratio = $\frac{3}{33} \times \frac{55}{4} = \frac{5}{4}$

98. Option C

$$a^{2} = 1 \times b = (a + 5) (a - 3)$$

 $a^{2} = a^{2} + 2a - 15$
 $a = \frac{15}{2}$
Perimeter = 2 (a + 5 + a - 3) = 2 (2a + 2) = 34

99. Option A

100. Option D

No. of ways = $3^4 \times 2^3 \times 5^1 = 3240$