BPCL Placement Paper Questions

- 1. A is 6 times as fast as B and takes 100 days less to complete a work than B. find the total no of days taken by A and B to complete the work.
- A. 17/7 days
- B. 120/7 days
- C. 121/7 days
- D. none of these

Explanation:

According to question A is 6 times as fast as B

So, Ratio of time taken by A and B will be 1:6

Let time taken by A is= x.

and time taken by B is= 6x.

According to the question, A take 100 days less.

- =>6x-x=100.
- => x=20.

So, A takes 20 days and B takes 120 days to complete the work.

A's 1-day work = 1/20.

B's 1-day work = 1/120.

(A+B)'s 1-day work = 1/20 + 1/120 = 7/120.

Total time taken = 120/7 days.

- 2. The speed of a car increases by 2 kms after every one hour. If the distance travelling in the first one hour was 35 kms. what was the total distance travelled in 12 hours?
- A. 456 kms
- B. 482 kms
- C. 552 kms
- D. 556 kms

Explanation:

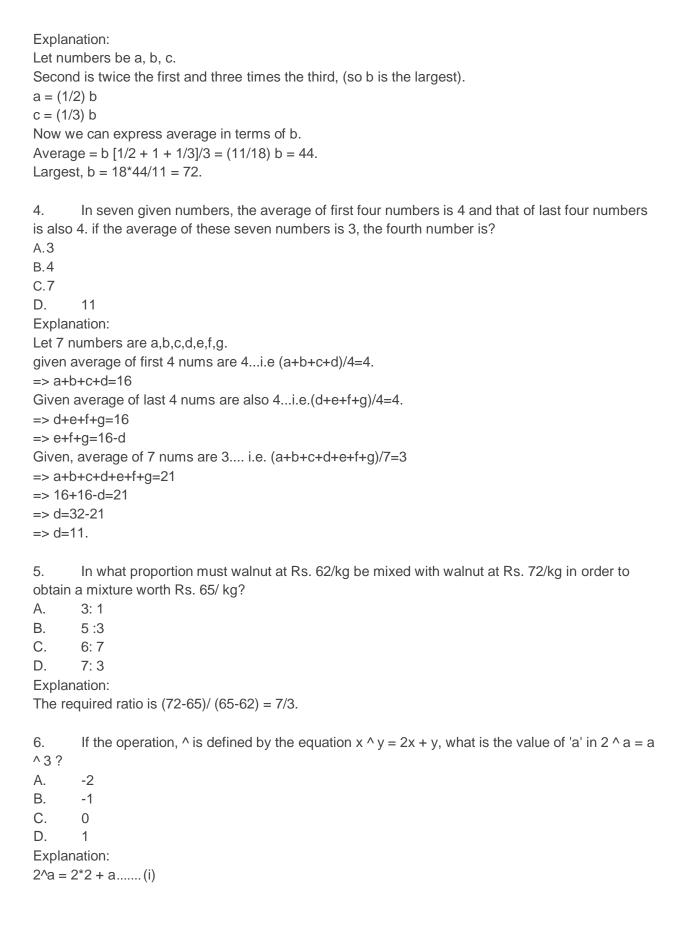
Since, the speed of the car is in AP.

At first we need to find no. of term in the series of speeds.

- => a+(n-1) d= 57
- => 35 + (n-1) *2=57.
- => 33 + 2n = 57.
- => n= 24/2 = 12.

Total distance traveled = (n/2) [2a +(n-1) d].

- => (12/2) [2 * 35 + 11 * 2]
- => 6*[70+22] = 92 * 6 = 552.
- 3. Of the three numbers, second is twice the first and is also thrice the third. If the average of the three numbers is 44, the largest number is:
- A. 24
- B. 36
- C. 72
- D. 108



```
\Rightarrow a^3 = 2*a + 3.....(ii)
\Rightarrow 4 + a = 2a + 3
\Rightarrow a=1.
```

- 7. The ratio between speed of d 2 trains is 7:8. if d 2nd train runs 400km in 4 hrs., wat is d speed of d 1st train?
- A. 85kmph
- B. 87.5kmph
- C. 90kmph
- D. 92.5kmph

Explanation:

If the speed of the trains are 7x & 8x respectively.

2nd train's speed(kmph)=400/4=100 = 8x, x=100/8=25/2.

So, 1st train's speed=7x=7*25/2=87.5.

- 8. A man speaks truth 3 out of 4 times. He throws a dice and reports it to be 6. What is probability of it being 6?
- A. 1/8
- B. 3/8
- C. 3/4
- D. 1/6

Explanation:

Man speaks truth 3 out of 4 times=3/4.

Probability of getting 6 on throwing a dice is 1/6.

So, the required probability = (3/4) * (1/6) = 1/8.

BPCL Logical Reasoning Test

- 9. Introducing a man, a woman said "His wife is the only daughter of my father". How is that man related to the woman?
- A. Husband
- B. Brother
- C. Father-in-law
- D. Maternal Uncle
- E. None of these

Answer: A.

- 10. Find the next number in the series:
- 2,5,1,8,11,7,25,28,24,122,125,121,548,551,
- A. 547
- B. 550
- C. 565

D. 525

Explanation:

If we break the series in group of three numbers, then

middle number = first + 3

third number = first - 1.

So, the next number is 548 - 1 i.e. 547.

11. Question: Madan is elder than Kamal and Sharad is younger than Arvind. Who among them is the youngest?

Statements:

(I)Sharad is younger than Madan.

(II)Arvind is younger than Kamal.

- A. I alone is sufficient while II alone is not sufficient
- B. Il alone is sufficient while I alone is not sufficient
- C. Either I or II is sufficient
- D. Neither I nor II is sufficient
- E. Both I and II are sufficient

Explanation:

As given, we have: M > K, A > S.

From II, K > A. Thus, we have: M > K > A > S.

So, Sharad is the youngest. From I, M > S. Thus, we have: M>K>A>S or M>A>K>S or M>A>S>K.

- 12. Jumbled Sentences:
- S1: While talking to a group, one should feel self-confident and courageous.
- P: Nor is it a gift bestowed by providence on only a few.
- Q: One should also learn how to think calmly and clearly.
- R: It is like the ability to play golf.
- S: It is not as difficult as most men imagine.
- S6: Any man can develop his capacity if he has the desire to do so.

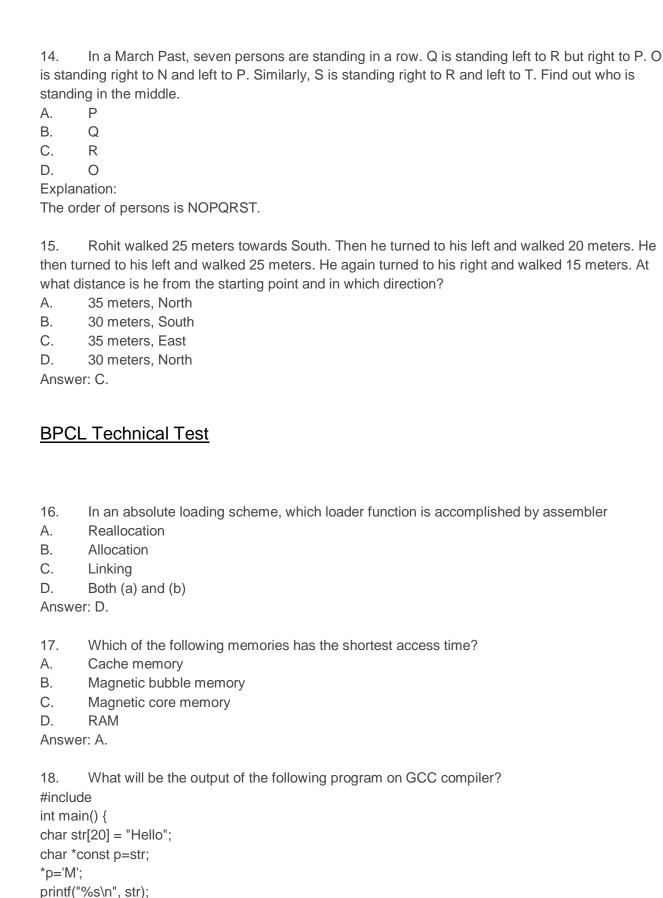
The Proper sequence should be:

- A. SQPR
- B. QSPR
- C. QRSP
- D. RSQP

Answer: B.

- 13. In a certain code language, 'STARK' is written as 'LBFMG' and 'MOBILE' is written as 'TNRSPJ'. How will 'BLAME' be written in that same code?
- A. TSFRJ
- B. RPFTJ
- C. NJFTP
- D. TSFGJ

Answer: B.



return 0; } A. Mello B. hello C. HMello

Explanation:

D.

MHello

Here, 'p' is a constant pointer which can't point to another string but the string can be changed. The base address of the string 'str' is assigned to 'p'. Thus, '*p' denotes 'value at the address at p" i.e. 'H'. By the expression " *p='M' ", character 'M' is assigned at the place of 'H'. Now, the value of 'str' is "Mello".

- 19. Virtual memory size depends on
- A. address lines
- B. data bus
- C. disc space
- D. a&c
- E. none

Answer: A.

- 20. Three standards ways of traversing a binary tree T with root R are
- A. Prefix, infix, postfix
- B. Pre-process, in-process, post-process
- C. Pre-traversal, in-traversal, post-traversal
- D. Pre-order, in-order, post-order

Answer: D.

- 21. The searching technique that takes O (1) time to find a data is
- A. Linear Search
- B. Binary Search
- C. Hashing
- D. Tree Search

Answer: C.

- 22. If a node in a BST has two children, then its inorder predecessor has
- A. no left child
- B. no right child
- C. two children
- D. no child

Answer: B.

- 23. Which of the following concepts means waiting until runtime to determine which function to call?
- A. Data hiding
- B. Dynamic casting

Dynamic binding Dynamic loading C.

D.

Answer: C.

BPCL Verbal Ability Test

24.	Fill in the blanks:	
	on some of the towns has created	_among the residence of the other part
	country.	
Α.	attack, ambition	
B.	raid, awareness	
	bombardment, panic	
D.	spell, satisfaction	
E.	shower, dampness	
Answe	er: C.	
25.	Fill in the blank:	
Rakes	h had bought the book for me. Ihim Rs. 500.	
A.	Owe	
B.	lend	
C.	give	
D.	borrow	
Answe	er: A.	
26	Synonym:	
26. RECK	Synonym:	
A.		
В.	Courageous Rash	
C.	Bold	
D.	Daring	
Answe	<u> </u>	
7 11 10 17 0		
27.	Synonym:	
EGRE	GIOUS	
A.	pious	
B.	outrageous	
C.	anxious	
D.	sociable	
E.	gloomy	
Answe	er: B.	
28.	Antonym	
۷٥.	Antonym:	

HONORARY

- A. Dishonorable
- B. Reputed
- C. Paid
- D. Official

Answer: C.

29. Antonym:

SACROSANCT

- A. Irreligious
- B. Unethical
- C. Irreverent
- D. Unholy

Answer: D.

30. Sentence correction:

The orator had been left the auditorium before the audience stood up.

- A. had been leaving
- B. was left
- C. had left
- D. would leave

Answer: C.