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Puzzle Questions for IBPS RRB Scale-I Pre Exams.

Set No 212

Direction: Read the given information and answer the questions given beside carefully.

Eight students from A to H gave an exam and all got different marks from each other. Total maximum marks for the exam were 100.

F got marks just more than marks of D who got more marks than A. C got more marks than G and less marks than A. E got less marks than B and more marks than F. H has less marks than D but more than C.

D has got 72 marks which are 22 more than the marks of A. One person has marks 66.

1. Who has got 66 marks?

A. C B. G C. H D. F E. B

2. Who got the second highest marks?

A. C B. G C. H D. E E. B

3. Who got the lowest marks?

A. C B. G C. H D. E E. B

4. What could be possible marks of E if each student got marks in integral values?

A. 70 B. 71 C. 72 D. 73 E. 74

5. If pass marks were 36 and all students were passed then what could be the maximum difference in the marks of A and G?

A. 11 B. 12 C. 14 D. 16 E. 10

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Correct Answers:

1	2	3	4	5
C	D	B	E	C

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Common Explanation (1-5):

Reference:

Eight students from A to H gave an exam and all got different marks from each other. Total maximum marks for the exam were 100.

Inference:

We keep the above information in mind while solving.

We assume marks of each of them as A, B, C and so on.

Reference:

F got marks just more than marks of D who got more marks than A.

C got more marks than G and less marks than A.

Inference:

F > D > ..?.. > A

'?' could be someone or no one.

A > .?.. > C > ...? .. > G

Using the two expressions, we get

F > D > ..?.. > A > .?.. > C > ...? .. > G

Reference:

E got less marks than B and more marks than F.

Inference:

Using inference of previous reference, we have

B > ..?..> E > ..?..> F > D > ..?.. > A > .?.. > C > ...? .. > G

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Reference:

H has less marks than D but more than C.

Inference:

We have got two choices to put H as shown below.

Case-1

B > E > F > D > H > A > C > G

Case-2

B > E > F > D > A > H > C > G

Reference:

D has got 72 marks which are 22 more than the marks of A.

One person has marks 66.

Inference:

Case-1

B > E > F > D(72) > H(66) > A(50) > C > G

Case-2

B > E > F > D(72) > (66_?_) A (50) > H > C > G

Clearly, this is possible in case-1.

We get the following final order:

Case-1

B > E > F > D(72) > H(66) > A(50) > C > G

For video solution : https://bit.ly/2YNajfW

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Answers :

1. From final order we see that H has got 66 marks.

Hence, option C is correct.

2. From final order we see that E has got second highest marks.

Hence, option D is correct.

3. From final order we see that G has lowest marks.

Hence, option B is correct.

4. Possible marks of F could be 73 and that of E must be more than 73. Therefore 74 is the best choice.

Hence, option E is correct.

5. A has 50, and G could have 36 or more. For maximum difference the marks of G must be lowest possible which is 36. So difference = 50 – 36 = 14

Hence, option C is correct.

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