9. Given,

Arjun attempted 125 problems and got 67 points i.e., he already lost 60 x 1/6 = 10 points for unattempted problems and for every failure he loses another 4/3 (1 mark of the question and 1/3rd negative marks) points of this 115 points.

$$125 - 10 - \frac{4}{3}(F) = 67$$

F = 36

Total successful attempts = 125 – 36 = 89
In Dupe, number of successful attempts = 17 – 6 = 11

$$\text{Net score} = 11 - \left(6 \times \frac{1}{3}\right) - 18 \times \left(\frac{1}{6}\right) = 6$$

Net score in Dance = 12
Number of failures in Digit = 6
Now, sum of number of unattempted problems and successful attempts in Digit is 34 and as the total score in Digit is a integer, the number of unattempted problems must be a multiple of 6.
By trail and error,
Number of unattempted problems = 18
Number of attempted problems = 22
Number of successful attempts = 16
Net score = 11
Number of failures in Dance = 3
Net score = 12
By trail and error,
Number of unattempted problems, which must be a multiple of 6 = 12
Number of successful attempts = 15
Now total successful attempts = 89
∴ Number of successful attempts in Dice = 17
∴ Number of failures = 12
∴ Net score = 12
Number of failures in Dynasty = 9
Number of unattempted problems in Dynasty = 6

Game	T.P	P.A	S.A	F	N
Dice	35	29	17	12	12
Dance	30	18	15	3	12
Dupe	35	17	11	6	6
Digit	40	22	16	6	11
Dynasty	45	39	30	9	26

T.P = Total Problems;   P.A = Problems Attempted;
S.A = Successful Attempts;   F = Failures;
N = Net score.   Choice (3)

10. Given,
Arjun attempted 125 problems and got 67 points i.e., he already lost 60 x 1/6 = 10 points for unattempted problems and for every failure he loses another 4/3 (1 mark of the question and 1/3rd negative marks) points of this 115 points.

$$125 - 10 - \frac{4}{3}(F) = 67$$

$$F = 36$$

Total successful attempts = 125 – 36 = 89
In Dupe, number of successful attempts = 17 – 6 = 11

$$\text{Net score} = 11 - \left(6 \times \frac{1}{3}\right) - 18 \times \left(\frac{1}{6}\right) = 6$$

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T.P = Total Problems;   P.A = Problems Attempted;
S.A = Successful Attempts;   F = Failures;
N = Net score.

Choice (1)

11. Given,
Arjun attempted 125 problems and got 67 points i.e., he already lost 60 x 1/6 = 10 points for unattempted problems and for every failure he loses another 4/3 (1 mark of the question and 1/3rd negative marks) points of this 115 points.

$$125 - 10 - \frac{4}{3}(F) = 67$$

$$F = 36$$

Total successful attempts = 125 – 36 = 89
In Dupe, number of successful attempts = 17 – 6 = 11

$$\text{Net score} = 11 - \left(6 \times \frac{1}{3}\right) - 18 \times \left(\frac{1}{6}\right) = 6$$

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Dynasty	45	39	30	9	26

T.P = Total Problems;   P.A = Problems Attempted;
S.A = Successful Attempts;   F = Failures;
N = Net score.   Choice (3)

12. Given,
Arjun attempted 125 problems and got 67 points i.e., he already lost 60 x 1/6 = 10 points for unattempted problems and for every failure he loses another 4/3 (1 mark of the question and 1/3rd negative marks) points of this 115 points.

$$125 - 10 - \frac{4}{3}(F) = 67$$

$$F = 36$$

Total successful attempts = 125 – 36 = 89
In Dupe, number of successful attempts = 17 – 6 = 11

$$\text{Net score} = 11 - \left(6 \times \frac{1}{3}\right) - 18 \times \left(\frac{1}{6}\right) = 6$$

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Game	T.P	P.A	S.A	F	N
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Dynasty	45	39	30	9	26

T.P = Total Problems;   P.A = Problems Attempted;
S.A = Successful Attempts;   F = Failures;
N = Net score.   Choice (4)

13. From the given conditions, company B gives bonus during Deepavali, and it should be 10,000 since its given that (Ramzan – 5,000 and Christmas – 12,000), so also company C gives bonus during Ramzan (since company A – Christmas and Company B Deepavali, given) which is 5,000 and is in the manufacturing sector and company A gives a bonus of Rs.12,000 and should be in IT sector (since 5,000 – Manufacturing and 10,000 – Non IT).
∴ Only choice (4) is true.   Choice (4)

14. It is given that either B or A sits to the immediate right of D. It is also given that two people sit in between B and D, hence B does not sit to the immediate right of D. So, A sits to the immediate right of D.
If A sits to the immediate right of D, then the possible arrangements are

$\underline{D}$ $\underline{A}$ __ __ __ $\underline{G}$ __ → (1)
$\underline{G}$ __ __ __ __ $\underline{D}$ $\underline{A}$ → (2)
__ $\underline{D}$ $\underline{A}$ __ __ __ $\underline{G}$ → (3)

(2) can be ruled out because three people sit between A and G. Three people sit between B and E and four people sit between C and E.
So, (1) also is ruled out.
Considering (3), we get
$\underline{E}$ $\underline{D}$ $\underline{A}$ $\underline{F}$ $\underline{B}$ $\underline{C}$ $\underline{G}$.
Hence, F sits exactly at the middle of the row.   Choice (3)

15. Let number of 1's obtained be x and number of 2's obtained be y.
∴ Number of 3's obtained = $5x$ and number of 5's obtained = y
$x + y + 5x + y = 50 - (22 + 6)$
$6x + 2y = 22$
Since 'x' must be an even number, 'x' can only be two.
If $x = 2$, $y = 5$
∴ Number of 1's + 3's + 5's = 2 + 10 + 5 = 17   Choice (2)

16.

	Essi	KK	Kit	Maha
Ashwath	x	x	x	✓
Charan	✓	x	x	x
Karthik	x	✓	x	x
Srinivas	x	x	✓	x

(a) Karthik is different from Essi and Kit.

(b) Essi is different from Ashwath and KK.
⇒ Ashwath is different from KK.

(c) Srinivas and Karthik are different from Maha.
⇒ Srinivas is not Essi. Hence, Ashwath is nicknamed Maha.   Choice (2)

17. Neither of the statements alone is sufficient as each has only partial information about the number of employees in two years.
From I and II, let the number of employees at the start of the year be 100.
∴ In this case, only 50 employees left the company.
Let the number of employees at the start of the year be more than 100 employees. In this case, more than 50 employees left the company. We cannot answer the question.
Choice (4)

18. Let each person be denoted by the first letter of his name.
Given, I > M and J did not finish first or second.
From I, M finished third in the race.
∴ I and one of L and N finished the race first and second in any order.
∴ I alone is not sufficient.
From II, Karan finished before only Lala.
∴ Lala and Karan finished sixth and fifth respectively.
∴ Niran finished first. As Irfan finished before Manoj and at least two persons finished before Jagan, neither Manoj nor Jagan finished the race second. Hence, Irfan finished second.
∴ II alone is sufficient.   Choice (2)

19. It is given that, P has four uncles & three aunts.
⇒ M and N together have a total of four brothers and three sisters i.e. seven siblings.
As N has two siblings, M has five siblings.
From statement (I) alone, N has two brothers.
⇒ M has the remaining siblings i.e. two brothers and three sisters.
∴ (I) alone is sufficient.
The information from (II) is already known. Hence (II) alone is not sufficient.

Choice (1)

20. Let the time taken by K be *x*.
Time taken by J = *x* − 20
Time taken by L = *x* + 40
Now,
From I alone or II alone we cannot find the ratio of speeds of J and L.
By combining both (I) and (II)

$$\frac{x-20}{x+40}=\frac{750}{1000}=\frac{3}{4} \Rightarrow x = 200$$

⇒ Speed of K = 5 m/s.

Choice (3)

Verbal Ability

21. **Number of words and Explanatory notes for RC:**

Number of words : 771

The author does not present any significant opinions of his own in the passage. Neither does he analyse the opinions of other writers. He merely presents, to us, the opinions that different writers have.   Choice (4)

22. **Number of words and Explanatory notes for RC:**

Number of words : 771

In the passage the author offers the different opinions writers have, on what parents and teachers need to keep in mind as they deal with growing boys. So, that is the major question being examined or answered. In the course of this, questions are asked about the connection between gender and interest and about what the characteristics of boys are, overall. The understanding of these 2 elements would help in determining how boys should be brought up or 'dealt with as they grow'.
                                                                          Choice (3)

23. **Number of words and Explanatory notes for RC:**

Number of words : 771

While Sommers feels that boys should be helped, she implies that this should be done in a manner that does takes into account their masculinity. Gurian implies that it is necessary that boys should be understood for what they are, if they are to be helped. Kindlon makes seven recommendations.   Choice (2)

24. **Number of words and Explanatory notes for RC:**

Number of words : 771

Statement 1 is correct in both parts – Pollock saying that nature and nurture must work together, and Sommers, saying that boys should be helped, though their masculinity shouldn't tampered with.
Statement 2 is wrong in its second half – Kindlon actually feels that they should be helped in developing some attributes, like emotional literacy. Statement 3 is wrong in its first half – Pollack feels that boys have emotional understanding, but display it through activity rather than through talk.
Statement 4 is wrong in its second half – Sommers, in saying that they should be helped, implies that their masculinity shouldn't be tampered with; therefore, their masculinity is important, and not everything is dependent on the manner in which they are brought up.   Choice (1)

25. **Number of words and Explanatory notes for RC:**

Number of words : 771

1 is an idea put forth by Pollock. 2 is Gurian's idea (when he says that boys, when bored, tend to shut down). 3 is a distortion of Kindlon's idea – while he speaks of the high activity levels, he says that boys need particular circumstances to display these levels. 4 is the idea from Sommers – she believes that boys would be 'shortchanged' if girls are more in focus.   Choice (3)

26. Statement A reports what the government's goals are. So, it is a fact. Note that the word avowed, which means self-confessed or self-declared is not the writer's comment – these goals openly-admitted or acknowledged are widely known – F. Statement (B) is an inference. Announcing a doubling of expenditure is a fact from which we infer the government or the Prime Minister's focus – I. Words 'laudable' and 'a step in the right direction' are the writer's opinion. So, statement (C) is a judgment – J. The last statement is an inference. That scientific research should benefit from the measures undertaken (establishment of five new institutes) is something which we could expect in the normal course. (Given this has been done, this should happen). So, FIJI is the answer. **Choice (2)**

27. Statement (A) is a report of the scenario in the nineties. It is a fact – F. There are two words or phrases in statement (B) which help us conclude that it is an opinion. 'Inevitably' and 'industry in itself' – J. Statement C talks of two independent situations. They are related developments, but the statement does not capture the relationship. Demands increased and government found it difficult to cope. The statement does not have linkers like so, as, hence, etc. So, the statement is a fact – F. Statement D is also like the previous one and qualifies as a fact – F. The last statement is a judgement. 'Not an organized and wholesome growth', 'the focus was on quantity and not on quality' are opinions – J. So, FJFFJ is the answer. **Choice (4)**

28. Statement A is an inference – the first half being a fact which can be verified and the second half a logical fallout – I. The strong term 'revolutionized' used in statement (B) makes it an opinion – J. Statement (C) is a fact. The phrases 'all but extinct' and 'virtually' are descriptive phrases and not to be mistaken for judgment – F. The writer makes an assertion – I. "Clearly, the future is multiplexes", statement (D) is a judgement – J. Statement (E) is an inference – Relationship between multiplex numbers increasing and product differentiation becoming a necessity is clearly brought out – I. So IJFJI. **Choice (1)**

29. Statement A is an opinion. The phrases which support that it is a judgment are has become a ritual, outdo each other and sensation-mongering. Observations which echo an opinion – J. Statement B is a fact, which can be verified – F. Statement C is an inference. We can infer that the switching support to the new Labour is what enabled the paper to claim credit for the party's victory. (When it claimed credit, it admitted that it had switched sides). Note that the first part of the sentence "And lo, and behold ------ Sun was shining on him" is only figurative representation of a fact. It is not to be treated as an opinion – I. The words 'effectively hypothecated make statement (D) a judgment – J. The last sentence also reflects the writer's opinion on Mr. Blair's decisions with regard to Europe – J. So, JFIJJ is the answer. **Choice (2)**

30. Statement (A) reports India's low ranking and is a fact. 'Abysmally low' is not an opinion. The ranking based on poor performance as reflected in a survey – F. Statement (B) is also a fact. Slipping one position indicates that conditions have worsened – F. Statement (C) is a veiled opinion and qualifies as judgment. When the author says growth should have improved the condition, the implication is it has not – J. Statement (D) is a judgment. While there is a fact which has been provided in the statement (quarter of a billion women being illiterate), the phrase 'depressing reading' suggests an opinion. (It is sad or tragic that this is the case) – J. Statement (E) is also an opinion. 'A result perhaps' indicates that this is how the writer interprets the situation – J. Hence FFJJJ. **Choice (3)**

31. **Number of words and Explanatory notes for RC:**

Number of words : 890

Right through the passage, the author points to the various effects and changes the world has seen after the end of the Cold War, leading us to the inference that he thinks it is very significant, and its significance is not recognised. **Choice (4)**

32. **Number of words and Explanatory notes for RC:**

Number of words : 890

Germany, a divided nation, was re-unified, not re-united with a neighbour. Choice (2)

33. **Number of words and Explanatory notes for RC:**

Number of words : 890

The last para points to what U.S. officials claim to have learnt, post-Cold War. That is presented in choice A. The other choices are sundry statements from the passage none of which can be considered a lesson.   Choice (1)

34. **Number of words and Explanatory notes for RC:**

Number of words : 890

In para 3 the author indicates that America is paying no attention to the lessons from the collapse of the USSR, especially the follies of central planning. This thought is repeated again in para 5.   Choice (3)

35. **Number of words and Explanatory notes for RC:**

Number of words : 890

When we consider the author's view that, though they were victors in an economic and spiritual struggle, the Americans took away only military conclusions, (when there were so many other conclusions that could be arrived at), we can infer that he feels that military and political matters are their priority.   Choice (4)

36. The paragraph is about knowledge and its unimaginable power and potential. Option (1) concludes the para best. It is an effective continuation of the previous line – 'Unlike other ---- used up". It is a resource which gets generated even as we use it. The idea of knowledge in option (2) is tangential to the preceding lines. The word 'predictably' in option (3) is an inapt linker. It does not go with the previous references to knowledge as unimaginable and mysterious. Besides, a resource is generated. The use of give and get does not fit in here. Options (4) brings in ideas which have not been discussed in the para.   Choice (1)

37. As the last sentence ends with the idea of two huge benefits which are likely to follow due to a recent experiment of growing meat in the lab, we have to look at on option which can fit in as probable benefits. Growing meat in the lab can lead to a ban on killing animals and strengthen fight against poaching do not fit the context aptly. So, choice (1) can be eliminated. Choice (2) is vague and meaningless. Choice (3) seems correct, but the pronoun 'they' in the option leads to ambiguity. When we talk of benefits, we are not referring to any particular group of people, alone being benefited. So, choice (3) is not the correct choice. Statement (4) is correct as it mentions two probable benefits.   Choice (4)

38. The key words in the para are <u>price</u> and <u>value</u>. Economics is myopic and economists fail to draw a destination between the two is what the para conveys. So, choice (2) is correct. Options (1) refers to ideas which have not been discussed. Option (3) does not fit in with the idea of a cynic. On the same score, we eliminate option (4).
                                                                        Choice (2)

39. Choice (1) is not an apt ending because idea of 'reverse metamorphosis' is not substantiated or explained in the para. The fact that babies are creative and imaginative does not lead to the conclusion arrived at in option (2). Option (3) is correct. The last two lines in the para clearly point to this conclusion. Option (4) seems right. Child indeed is the father of man suggests that there is a reflection of one in the other. But the ideas conveyed in the para do not capture this message.

Choice (3)

40. Choice (2) can be a continuation of the last sentence provided in the question but is not conclusive. Choice (3) is inapt because the reference to ladder leaning against the right wall in the para amounts to knowing what is important to us or beginning with the end or goal in mind. Choice (4) talks of success, which has not been discussed. Choice (1) conclude the idea bests.

Choice (1)

41. **Number of words and Explanatory notes for RC:**

Number of words : 868

Refer to para 4: the superior intelligence of New Guineans is attributed to genetics not geography. Hence choice 3 is not an example for geography.

Choice (3)

42. **Number of words and Explanatory notes for RC:**

Number of words : 868

Choice 1 contradicts the passage. Choice 2 is true - refer to the question with which para 8 ends and what follows it. Choice 3 is incorrect as no alternative theory is proposed. Choice 4 is incorrect as no answer is provided.

Choice (2)

43. **Number of words and Explanatory notes for RC:**

Number of words : 868

Refer to para 8 - the inconsistency lies in using genetics to explain the superior intelligence of New Guineans while ignoring the same as explanation in other contexts.

Choice (4)

44. **Number of words and Explanatory notes for RC:**

Number of words : 868

Refer to the first sentence of the third para from the end of the passage. 'In attributing western advance solely to geography, while tacitly excluding the genetic explanation involved for the New Guineans ......' It is clear that Jared Diamond is not consistent.

Choice (4)

45. **Number of words and Explanatory notes for RC:**

Number of words : 868

Statement A is true – refer to para 6, in the example about China he says about Europe .... diversity thrived and the best had a better chance of winning out.
Statement B is true – refer to para 4, last sentences (..... one needed one's wits to survive). Statement C is false negated by para 9, penultimate sentence (... a genetic explanation for sedentism would not be implausible).
Statement D is true – refer to para 2 (.... agriculture got started there first, giving Europeans a head start......).

Choice (1)