

ENTRANCE EXAMINATION-2018
MASTER OF BUSINESS ADMINISTRATION (FULL TIME)
SET B

ROLL NO.

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Barry

Signature of Invigilator

Time: 3 Hours**Total Marks: 170**

Instructions to Candidates

1. Do not write your name or put any other mark of identification anywhere in the OMR Response Sheet. **IF ANY MARK OF IDENTIFICATION IS DISCOVERED ANYWHERE IN OMR RESPONSE SHEET, the OMR sheet will be cancelled, and will not be evaluated.**
2. This Question Booklet contains the cover page and a total of 170 Multiple Choice Questions of 1 mark each.
3. Space for rough work has been provided at the beginning and end. Available space on each page may also be used for rough work.
4. There is negative marking in Multiple Choice Questions. For each wrong answer 0.25 marks will be deducted.
5. **USE OF CALCULATOR IS NOT PERMITTED.**
6. **USE/POSSESSION OF ELECTRONIC GADGETS LIKE MOBILE PHONE, iphone, iPad, pager ETC. are strictly PROHIBITED.**
7. Candidate should check the serial order of questions at the beginning of the test. If any question is found missing in the serial order, it should be immediately brought to the notice of the Invigilator. No pages should be torn out from this question booklet.
8. Answers must be marked in the OMR Response sheet which is provided separately. OMR Response sheet must be handed over to the invigilator before you leave the seat.
9. The OMR Response sheet should not be folded or wrinkled. The folded or wrinkled OMR/ Response Sheet will not be evaluated.
10. Write your Roll Number in the appropriate space (above) and on the OMR Response Sheet. Any other details, if asked for, should be written only in the space provided.
11. There are four options to each question marked A, B, C and D. Select one of the most appropriate option and fill up the corresponding oval/circle in the OMR Response Sheet provided to you. The correct procedure for filling up the OMR Response Sheet is mentioned below.
12. Use Black or Blue Ball Pen only for filling the ovals/circles in OMR Response Sheet. Darken the selected oval/circle completely. If the correct answer is 'B', the corresponding oval/circle should be completely filled and darkened as shown below.

CORRECT METHOD

(A) (B) (C) (D)

WRONG METHOD

(A) (B) (C) (D)	(A) <input checked="" type="radio"/> (B) (C) (D)	(A) (B) (C) (D)	(A) (B) (C) (D)	() (B) (C) (D)	(A) (B) (C) (D)
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1. In a sports club with 30 members, 17 play badminton and 19 play tennis and 2 do not play either. How many members play both badminton and tennis?

A. 7
B. 10
C. 9
D. 8

$$n(A \cup B) = n(A) + n(B) - n(A \cap B)$$

$$30 = 17 + 19 - 2$$

$$= 45$$

2. For how many integer values of n will the value of the expression $4n + 7$ be an integer greater than 1 and less than 200?

A. 50
B. 48
C. 49
D. 51

$$13 + 11 =$$

$$n(A \cap B) = 17 + 19 - 28$$

$$= 8$$

3. Six years ago Anita was P times as old as Ben was. If Anita is now 17 years old, how old is Ben now in terms of P ?

A. $P/11 + 6$
B. $17 - P/6$
C. $11/P + 6$
D. $17/P$

$$4n + 7 > 1 \quad n \in \mathbb{I}$$

$$4n + 7 = 200$$

$$4n = 193$$

$$n = 48$$

4. If $x^2 - y^2 = 15$ and $x + y = 3$, then $x - y$ is

A. 5
B. -3
C. 0
D. 3

$$(x - y) = 5$$

5. If $n > 0$, which of the following must be true?

I $n^2 > 1$
II $n - n^2 < 0$
III $2n - 1 > 0$

A. I only
B. II only
C. III only
D. none

$$n < n^2$$

$$n > 1$$

	Anita	Ben
Now	17	$P \cdot B$
6 years ago	11	$B - 6$

$$13 = P[B - 6]$$

$$B = \frac{13}{P} + 6$$

6. 6 people meet for a business lunch. Each person shakes hands once with each other person present. How many handshakes take place?

A. 30
B. 15
C. 18
D. 21

$$6C_2 = \frac{6 \times 5}{2} = 15$$

7. In a class of 78 students 41 are taking French, 22 are taking German. Of the students taking French or German, 9 are taking both courses. How many students are not enrolled in either course?

A. 15

B. 6

C. 33

D. 24

$$n(A \cap B) = 9$$

$$n(A) = 41$$

$$n(B) = 22$$

$$n(A \cup B) = 41 + 22 - 9 = 63$$

8. A machine is sold at a profit of 10%. Had it been sold for Rs. 40 less, there would have been a loss of 10%. What was the cost price?

A. Rs 250

B. Rs. 175

C. Rs. 200

D. Rs. 225

$$CP = 100x$$

$$SP = 110x$$

$$\text{If } SP = 110x - 40$$

$$L = 10\% \quad SP = 90x$$

9. In a consumer preferences survey, 20% respondents opted for product A whereas 60% opted for product B. The remaining individuals were undecided. If the difference between those who opted for product B and those who were undecided is 720, how many individuals had been interviewed for the survey?

A. 3600

B. 1440

C. 1800

D. Data Inadequate

$$\text{Total} = 100x$$

$$n(A) = 20x$$

$$n(B) = 60x$$

$$n(\text{undecided}) = 40x$$

$$20x - 40x = 720$$

$$20x = 720$$

$$x = 36$$

10. A, B and C are three pipes attached to a cistern. A and B can fill it in 20 minutes and 30 minutes respectively, while C can empty it in 15 minutes. If A, B and C be kept open successively for 1 minute each, how soon will the cistern be filled?

A. 60 minutes

B. 157 minutes

C. 180 minutes

D. 155 minutes

$$\frac{1}{A} + \frac{1}{B} - \frac{1}{C}$$

$$\frac{\frac{1}{20} + \frac{1}{30} - \frac{1}{15}}{\frac{1}{20} + \frac{1}{30} - \frac{1}{15}} = \frac{5}{3}$$

11. The price of petrol is increased by 25%. How much per cent must a car owner reduce his consumption of petrol so as not to increase his expenditure on petrol?

A. 20%

B. 50%

C. 30%

D. 25%

$$\text{Price} = 100x \quad \text{Consumption} = 100$$

$$\text{New Price} = 125x$$

$$125x \times ny = 100x$$

12. If $3x + y = 19$, and $x + 3y = 1$. Find the value of $2x + 2y$.

A. 20

B. 18

C. 11

D. 10

$$3x + y = 19$$

$$x + 3y = 1$$

$$3x + 9y = 3$$

$$8y = -16$$

$$y = -2$$

$$x = 7$$

13. The price of a cycle is reduced by 25 per cent. The new price is reduced by a further 20 per cent. The two reductions together are equal to a single reduction of

A. 45%
☒ B. 40%
☐ C. 35%
☐ D. 32.5%

$$\begin{array}{r} 1.00 \\ \times 0.75 \\ \hline 0.75 \\ \times 0.80 \\ \hline 0.60 \end{array}$$

14. $\sqrt{5}$ Percent of $5\sqrt{5} =$

A. 0.05
☒ B. 0.25
☐ C. 0.5
☐ D. 2.5

$$\frac{\sqrt{5}}{100} \times 5\sqrt{5} = \frac{1}{4} = 0.25$$

15. If x/y is an integer, which of the following statements must be true?

A. both x and y are integers
 B. either x or y is negative
☒ C. y/x is an integer
☐ D. $x = ny$ where n is an integer

$$\frac{x}{y} \text{ is I}$$

16. The first term in a sequence is 1 and the second term is 5. From the third term on each term is the average (arithmetic mean) of all preceding terms. What is the 25th term in the sequence?

A. 2.5
☒ B. 3
☐ C. 5
☐ D. 25

$$1, 5, 3, 3, 3, 3, 3$$

17. Four numbers are in proportion. The sum of the squares of the four numbers is 50 and the sum of the mean is 5. The ratio of first two terms is 1:3. What is the average of the four numbers?

A. 6
 B. 1
☒ C. 3
☐ D. 5

$$\begin{array}{l} a:b:c:d \\ a:b = 1:3 \\ \frac{a}{b} = \frac{c}{d} = \frac{1}{3} \\ a^2 + b^2 + c^2 + d^2 = 50 \\ a + b + c + d = 5 \end{array}$$

18. A metal sheet 27 cm long, 8 cm broad and 1 cm thick is melted into a cube. The difference between the surface area of the two solids, is

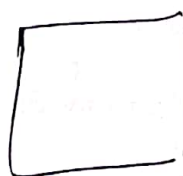
A. 284 cm^2
☒ B. 286 cm^2
☐ C. 300 cm^2
☐ D. 296 cm^2

$$\begin{array}{l} 27 \times 8 \times 1 = 216 \\ \text{Volume of cube} = 216 \\ \text{Side of cube} = \sqrt[3]{216} = 6 \\ \text{Surface area of cube} = 6 \times 6 \times 6 = 216 \\ \text{Surface area of sheet} = 2 \times (27 \times 8 + 27 \times 1 + 8 \times 1) = 2 \times (216 + 27 + 8) = 2 \times 251 = 502 \\ \text{Difference} = 502 - 216 = 286 \end{array}$$

19. The number 0.127 is how much greater than $1/8$?

A. $1/2$
 B. $2/10$
☒ C. $1/500$
☐ D. $1/5000$

$$\begin{array}{r} 0.127 \\ - 0.125 \\ \hline 0.002 \end{array}$$



$$\frac{127}{1000} - \frac{125}{1000} = \frac{2}{1000} = \frac{1}{500}$$

27. Two trains travel in opposite directions at 36 kmph and 45 kmph and a man sitting in slower train passes the faster train in 8 seconds. The length of the faster train is:

- A. 80m
B. 100m
C. 120m
D. 180m

$$\begin{array}{r} 1205 \\ 2570 \\ \hline 20 \end{array}$$

$$225 \times 8 = 1800$$

28. A boat takes 90 minutes less to travel 36 miles downstream than to travel the same distance upstream. If the speed of the boat in still water is 10 mph, the speed of the stream is:

- A. 2.5 mph
B. 3 mph
C. 2 mph
D. 4 mph

$$\begin{aligned} (x+10) \times 36 &= T \\ (x-10) \times 36 &= T + \frac{3}{2} \end{aligned}$$

$$\frac{3}{2} =$$

Speed of boat in still water = 10

$$(x+10) \times 36 = (x-10) \times 36 + \frac{3}{2}$$

$$2x \times 36 = \frac{3}{2}$$

$$x = \frac{3}{2}$$

29. A sum of money is borrowed and paid back in two annual instalments of Rs.882 each allowing 5% compound interest. The sum borrowed was:

- A. Rs. 1620
B. Rs. 1640
C. Rs. 1680
D. Rs. 1700

$$\frac{36}{100} - \frac{36}{100} = \frac{3}{2}$$

$$100 - 2 = 98$$

$$100 - 2 = 98$$

30. The cost of carpeting a room 18m long with a carpet 75cm wide at Rs. 4.50 per metre is Rs. 810.

The breadth of the room is:

- A. 7m
B. 7.5m
C. 8m
D. 8.5m

$$2 \times \frac{2}{3} \times 14^2 = 80$$

$$\frac{36}{100} = T + \frac{3}{2}$$

$$2(18+b) = 100 \times \frac{4.50}{100} = 4.50$$

$$2(18+b) = 4.50 \times 100 = 450$$

$$2(18+b) = 450$$

$$18+b = 225$$

$$b = 207$$

31. A cone and a hemisphere have equal bases and equal volumes. Find the ratio of their heights.

- A. 2:1
B. 1:2
C. 3:1
D. 3:4

$$\frac{2}{3} \pi r^2 h = \frac{2}{3} \pi r^2 \times \frac{3}{4} h$$

$$100x = \frac{41 \times 882}{21}$$

$$100x = 1764$$

$$x = 17.64$$

32. Four equal sized maximum circular plates are cut off from a square paper sheet of area 784 cm². The circumference of each plate is:

- A. 88 cm
B. 66 cm
C. 44 cm
D. 22 cm

$$\frac{4}{3} \pi r^2 h$$

$$\frac{2}{3} \pi r^2 h$$

$$100x \rightarrow 105x$$

$$\frac{105x}{100} = \frac{41 \times 882}{21}$$

$$105x = 1764$$

$$x = 16.76$$

$$105x = 1764$$

$$x = 16.76$$

$$105x = 1764$$

$$x = 16.76$$

$$105x = 1764$$

$$x = 16.76$$

33. The milk and water in two vessels A and B are in the ratio 4:3 and 2:3 respectively. In what ratio the liquids in both the vessels are mixed to obtain a new mixture in vessel C consisting half milk and half water?

A. 8:3
B. 8:7
C. 7:5
D. 2:3

A	B
M:W	M:W
4:3	2:3
5:6	6:9
4x:3x	2y:3y
20:15	10:15
32:24	14:21
32:24	14:21

34. A bag contains 4 five rupee coins, 3 two rupee coins and 3 one rupee coins. If 6 coins are drawn from the bag at random, what are the odds in favour of the draw yielding maximum amount?

A. 1:70
B. 69:70
C. 1:69
D. 70:1

$$4 \times 5 + 3 \times 2 + 3 \times 1 = 29$$

$$\frac{6}{20+3+3} = \frac{6}{26}$$

$$\frac{1}{7}m + \frac{2}{5}n = \frac{3}{7}m + \frac{3}{5}n$$

$$3$$

$$10 \times 4 = 40$$

$$20+3+3$$

Answer questions 35-38 on the basis of the information given below.

A health drink company's R&D department is trying to make various diet formulations, which can be used for certain specific purposes. It is considering a choice of 5 alternative ingredients (O, P, Q, R, and S), which can be used in different proportions in the formulations.

The table below gives the composition of these ingredients. The cost per unit of each of these ingredients is O: 150, P: 50, Q: 200, R: 500, S: 100.

Ingredient	Composition			
	Carbohydrate%	Protein%	Fat%	Minerals%
O 150	50	30	10	10
P 50	80	20	0	0
Q 200	10	30	50	10
R 500	5	50	40	5
S 100	45	50	0	5

35. The company is planning to launch a balanced diet required for growth needs of adolescent children. This diet must contain at least 30% each of carbohydrate and protein, no more than 25% fat and at least 5% minerals. Which one of the following combinations of equally mixed ingredients is feasible?

A. R and S
B. O and S
C. P and S
D. Q and R

- ✓ A. One
B. Two
C. Three
D. Four

37. Which among the following is the formulation having the lowest cost per unit for a diet having 10% fat and at least 30% protein? The diet has to be formed by mixing two ingredients.

- A. P and Q
B. Q and S
C. P and S
D. P and R

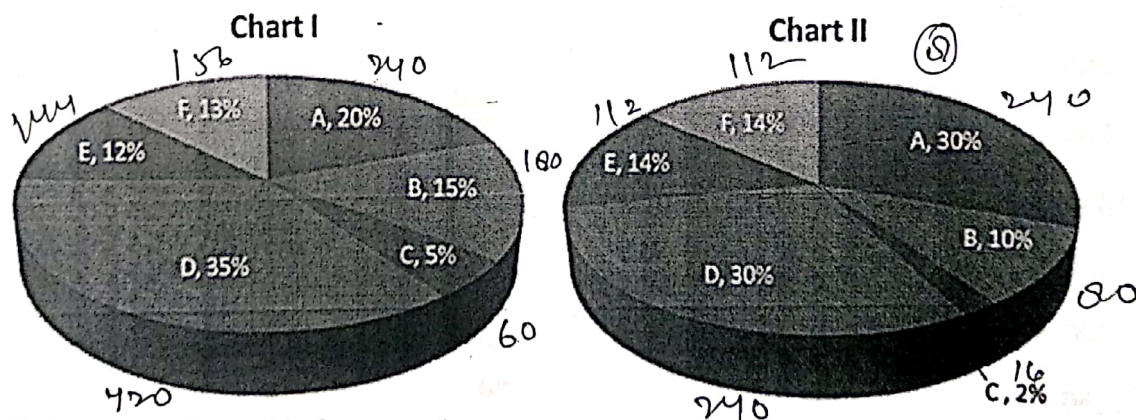
38. In what proportion should P, Q and S be mixed to make a diet having at least 60% carbohydrate at the lowest per unit cost?

- A. 2:1:3
B. 2:1:4
✓ C. 4:1:1
D. 3:1:2

Answer questions 39-43 on the basis of the information given below.

Percentage of students in various courses (A, B, C, D, E, F) in pie chart I and Percentage of girls in pie chart II.

Total students = 1200 (800 girls + 400 boys)



39. For course D, what is the respective ratio of boys and girls?

- A. 4:5
☒ B. 3:4
 C. 3:5
 D. 5:6

A	0
B	100
C	44
D	180
E	SET B

180 B
240 C

$$\frac{30}{12}$$

2020
9
23
2018

M55/MBA[FT]

44. What is the ratio of the total sales of Patna store for three years to the total sales of Asansol store for three years?

- A. 33 : 17
☒ B. 17 : 32
 C. 17 : 33
 D. 32 : 17

$$\frac{17840}{640} = 32$$

45. Total number of Campus shoes sales on Gaya store and Patna store together for three years is what percent of the total sales of Dhanbad store and Ranchi store together for three years?

- A. 73.25%
 B. 72.75%
 C. 72.25%
☒ D. 71.55%

$$\frac{440 + 340}{530 + 860}$$

$$\frac{780}{1090} \times 100 = 71.55\%$$

46. What percent of the average sales of Campus shoes on Kolkata store, Patna store and Dhanbad store in 2014 is the average sales of Campus shoes on Ranchi store, Asansol store and Gaya store in 2015?

- A. 63.43%
 B. 61.81%
 C. 62.23%
☒ D. 62.81%

$$\frac{340}{310}$$

$$\frac{1530}{1610}$$

$$\frac{485.71}{3400} \times 100 = 69$$

47. What is the ratio of average sales of Campus shoes of all the stores for the year 2014 to average sales of Campus shoes of all the stores for the year 2015?

- A. 23 : 14
☒ B. 13 : 23
 C. 14 : 23
 D. 23 : 13

$$\frac{650}{100}$$

48. What is the total number of Campus shoes sales of store Kolkata, store Patna and store Ranchi together for three years?

- A. 1530
☒ B. 1520
 C. 1550
 D. 1540

Answer questions 49-53 on the basis of the information given below.

Following table shows the percentage population of six states below poverty line and the proportion of males and females.

State	Percentage population below poverty line	Proportion of male and female	
		Below poverty line M: F	Above poverty line M: F
S ₁	16	4:3	3:2
S ₂	18	3:4	5:7
S ₃	26	2:3	4:5
S ₄	28	5:6	1:2
S ₅	12.5	3:2	6:5
S ₆	36	4:5	2:3

49. If the total population of state S₁ is 4400, then what is the approximate number of females above the poverty line in state S₁?

A. 1578

B. 1484

C. 1478

D. 1487

$$\frac{84}{100} \times 4400$$

$$\frac{2}{5} \times 84 \times 44 = 1478$$

50. If the total population of state S₃ and S₄ together is 17000, then what is the total number of females below the poverty line in the above-mentioned states?

A. 1320

B. 6820

C. 4850

D. Data inadequate

51. If the population of males below the poverty line in state S₁ is 18000 and that in state S₅ is 24000, then what is the ratio of the total population of state S₁ to that of state S₅?

A. 316:513

B. 315:512

C. 315:513

D. 319:512

$$\frac{4}{7} \times \frac{16 S_1}{100} = \frac{3}{2} \times \frac{12.5 S_2}{100}$$

$$\frac{16 S_1}{100}$$

$$\frac{12.5 S_2}{100}$$

52. If the population of males above the poverty line in state S₂ is 4100 then what is the total population of that state?

A. 12000

B. 12500

C. 13000

D. 14000

$$\frac{1}{5} \times \frac{18}{100} \times 4100$$

$$\frac{S_1}{S_2} = \frac{3}{2}$$

$$\frac{3}{2} \times \frac{4100}{1} = 6150$$

$$\frac{315}{512}$$

53. If in state S_6 the population of females above the poverty line is 4800 then what is the population of males below the poverty line in that state?

- A. 2400
☒ B. 2000
 C. 2500
 D. 2800

$$\frac{4}{9} \times \frac{3686}{100} = ?$$

$$\frac{4}{9} \times \frac{3686}{100} = \frac{4 \times 3686}{9 \times 100} = \frac{14744}{900} = 16.38$$

$$\frac{3}{8} \times \frac{8456}{100} = \frac{3 \times 8456}{8 \times 100} = \frac{25368}{800} = 31.71$$

Answer questions 54-58 on the basis of the information given below.

In a school out of 250 students studying in class IX, boys & girls are in the ratio of 2:3 respectively. Each student likes to play one or more of the games- Badminton Table Tennis & Football. 19% of the boys & 16% of the girls play only Badminton. 11% of the boys & 18% of the girls play only Table Tennis and 16% of the boys & 12% of the girls play only Football. 15% of the boys & 18% of the girls play Badminton as well as Table Tennis. 17% of the boys & 14% of the girls play Badminton as well as Football. 15% of the boys & 16% of the girls play table tennis as well as Football. Remaining boys & girls play all three games.

54. How many girls play at least two games?

- ☒ A. 81
 B. 93
 C. 96
 D. 84

$$\begin{aligned} B &: 150 \\ G &: 150 \\ 11\% &: 16.5 \\ 17\% &: 25.5 \\ 19\% &: 28.5 \\ 18\% &: 27 \\ 16\% &: 24 \\ 15\% &: 22.5 \\ 14\% &: 21 \end{aligned}$$

55. How many girls play Badminton as well as Table Tennis?

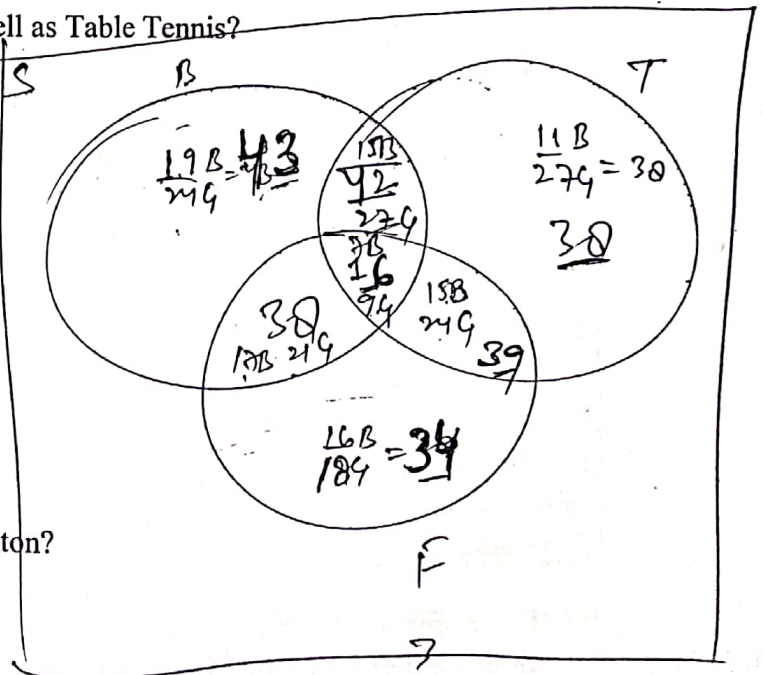
- A. 23
☒ B. 36
 C. 30
 D. 32

56. How many boys do not play Football?

- A. 35
☒ B. 42
 C. 45
 D. 39

57. Total how many students play Badminton?

- A. 128
 B. 146
☒ C. 139
 D. 136



$$\begin{aligned} 43 \\ 42 \\ 16 \\ 30 \\ \hline 9 \end{aligned}$$

$$\begin{aligned} 39 \\ 38 \\ 16 \\ 30 \\ \hline 123 \end{aligned}$$

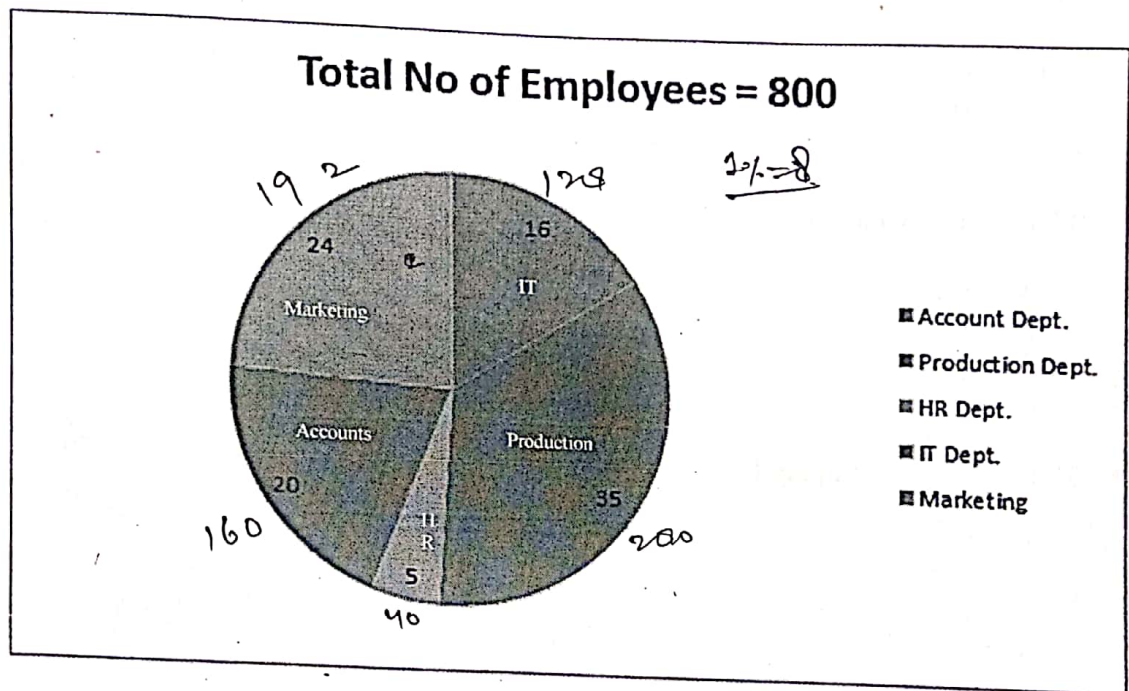
$$\begin{aligned} 46 + 47 &= 93 \\ 93 + 38 &= 131 \\ 131 + 42 &= 173 \\ 173 + 30 &= 203 \\ 203 + 16 &= 219 \end{aligned}$$

58. How many students play at least one of the two games Badminton & Table Tennis?

- A. 199
 B. 216
 C. 202
 D. 196

Answer questions 59-63 on the basis of the information given below.

Study the following pie chart and table carefully to answer the questions. Percentage breakup of employees working in various departments of an organization and the number of males in them



Department	Number of Males
Production	245
HR	12
IT	74
Marketing	165
Accounts	93

59. The number of males working in the Marketing department is what percent of the total number of employees working in that department? (Rounded off to the nearest integer)

- A. 70
 B. 86
 C. 78
 D. 91

$$\frac{165}{192} \times 100 = 86$$

60. What is the respective ratio between the number of females working in the HR department and the total number of employees in that department?

- A. 5:7
 B. 7:10
 C. 8:17
 D. 12:19

$$\frac{28}{40} = \frac{7}{10}$$

61. The number of males working in the Production department of the organization forms what percent of the total number of employees working in that department?

- A. 76.5
 B. 72.5
 C. 87.5
 D. 61.5

$$\frac{245}{280} \times 100 = 87.5$$

62. The number of females working in the IT department forms what percent of the total number of employees in the organization from all departments together?

- A. 15.25
 B. 11.5
 C. 10.75
 D. 13.75

$$\frac{54}{500} \times 100 = 10.8$$

63. What is the respective ratio of the number of males working in the marketing department to the number of females working in that department?

- A. 63:8
 B. 64:7
 C. 55:9
 D. 56:3

$$\frac{165}{27} = \frac{55}{9}$$

Answer questions 64-68 on the basis of the information given below.

The table shows percentage of marks obtained by 6 students in 6 subjects.

Subject / Student	Chemistry (Out of 150)	Maths (Out of 100)	Telugu (Out of 50)	English (Out of 100)	Physics (Out of 125)	Hindi (Out of 50)
A	85	62	72	68	70	70
B	65	68	66	69	80	80
C	70	72	68	78	60	66
D	80	78	76	82	90	58
E	90	80	72	66	70	76
F	60	74	62	54	60	64

M55/MBA[FT]

SET B

$$\frac{114}{125} \times 100 = 91.2\%$$

$$\frac{25}{125} \times 100 = 20\%$$

$$\frac{414}{100} \times \frac{50}{6} = 69 \times \frac{5}{6} = 57.5$$

64. What are the average marks obtained by all students in Hindi?

- A. 32.3
- B. 34
- ☒ C. 34.5
- D. 36

65. What are the total marks obtained by B in all subjects together?

- A. 390.5
- B. 407.5
- C. 508.5
- D. 408.75

66. Who among the following scored the highest marks in all subjects together?

- ☒ A. D
- B. B
- C. E
- D. F

67. What is F's overall percentage of marks in all subjects together?

- A. 64.2%
- B. 61.91%
- C. 65.2%
- D. 62.33%

68. If, to pass the examination, the minimum marks required in Chemistry is 120 and Physics is 95, then how many students will pass in both the subjects?

- A. 3
- B. 4
- ☒ C. 1
- D. 2

69. The committee on sexual discrimination in the workplace has highlighted Supremo Company as a chief offender. Of the twenty senior executives in the firm, only one is a woman. And of the forty junior executives, only five are female.

Supremo could best defend itself against the charges by showing that

- A. they pay the same salary to senior men and senior women
- B. ten times more men than women apply for jobs with the company
- ☒ C. all job applicants who were rejected had fewer qualifications than those accepted
- D. the work pressures and long hours make jobs with the company unattractive to married women .

70. Josh has twenty years of typing experience behind him; therefore, if you are looking for an efficient typist to enter your data into the new system, you need look no further.

The speaker assumes that

- A. The type of typing required for the new system is identical to what Josh has been doing
- B. Josh's job profile is the best that the new employer is going to get
- ☒ C. Twenty years of practice ensures typing efficiency
- D. Josh is an outstandingly fast and accurate typist

71. It has been suggested that long-term prisoners, on release from jail, be given a reasonable state pension to reduce the likelihood of their resorting to crime. Most people instinctively reject the suggestion as they feel it would be like rewarding criminal activity.

The supporters of the prisoners' pension scheme have criticized those who reject this possibility, by claiming that for the critics.....

Which of the following is the most logical completion of the sentence above?

- ☒ A. punishment for criminals is more important than crime prevention
- B. emotion is more important than justice
- C. crime prevention is not an important issue
- D. money has too high a value

72. Recent studies have highlighted the harmful effects of additives in food (colors, preservatives, flavor enhancers etc.). There are no synthetic substances in the foods we produce at Munchon Foods, we use only natural ingredients. Hence you can be sure you are safeguarding your family's health when you buy our products.

Which of the following, if true, would most weaken the contention of Munchon Foods?

- ☒ A. Some synthetic substances are not harmful
- B. Food without additives is unlikely to taste good
- C. Some natural substances found in foods can be harmful
- D. Munchon Foods produces only breakfast cereals

73. A fruit known as amla in certain parts of Asia is an excellent source of vitamin C. A small quantity of the fruit grated and added to salads provides almost all the daily requirement of this vitamin. However, the fruit is very sour. A new process designed to remove most of the sour taste will make the fruit acceptable to American tastes. We are therefore starting to grow this fruit for sale in the United States.

The argument above assumes all of the following except

- ☒ A. The fruit can be used only in salads
- B. The new process does not remove a significant part of the vitamin content
- C. That a market exists for a new source of vitamin C
- D. Americans generally won't eat very sour foods

74. A rare disease, malicitis, is being diagnosed with increasing frequency. The number of cases reported this year is more than double the number reported four years ago. The government should now allocate more funds for treatment and prevention of malicitis.

All of the following, if true, would weaken the conclusion except

- A. funds already available for research in malicitis are currently under-utilized
- ☒ B. a new test employed for the first time this year detects malicitis at a considerably earlier stage in the development of the disease
- C. the number of cases reported this year represents the same fraction of the population as reported in all of the last five years
- D. a committee of experts reviewed the funding four years ago

75. Thousands of people have tonsillectomies every year and all live normal lives after the operation. We can conclude, from this observation, that the tonsils have no function in the body.

The argument would be most weakened by which of the following, if it were true?

- A. Another part of the body can take over the function of the tonsils if they are removed.
 - B. People live normal lives after appendectomies but the appendix is known to be part of the digestive system.
 - C. The tonsils have been shown to have a vital role to play in the physiology of laboratory rabbits and guinea pigs.
 - ☒ D. The human tonsil develops as part of the immune system, a system of vital importance in defense against disease.
76. The number of people diagnosed with dengue fever (which is contracted from the bite of an infected mosquito) in North India this year is twice the number diagnosed last year. The authorities have concluded that measures to control the mosquito population have failed in this region.

All of the following, if true, would cast doubt on the authorities conclusion except

- A. the incidence (number of cases per thousand) of malaria, also contracted from mosquito bites, has increased
 - ☒ B. a very high proportion of the cases were in people who had recently returned from neighbouring countries
 - C. an effective diagnostic test was introduced about nine months ago
 - D. more cases are now reported because of increases in administrative efficiency
77. Red is a color which has powerful effects on human beings as well as animals. A group of psychologists carried out an experiment which confirms the subconscious effects of this color on human behavior. They provided selected sports teams at school and college level with either red or blue shorts and recorded the outcome of the games. The teams wearing red won in a disproportionate number of matches. The psychologists suggested that either the teams wearing red subconsciously felt themselves more powerful, or that the non-red teams were subconsciously intimidated by the red color.
- Which of the following, if true, would most weaken the psychologists suggestion?
- A. Each team wore red in some matches and blue in others.
 - B. The color blue has the subconscious effect of making human beings less competitive.
 - ☒ C. The effect was only observed if all the team members wore white shirts.
 - D. Red signifies danger in some cultures whereas it signifies happiness in others.

78. Photography is no longer an art form. Nowadays everyone has access to digital cameras that only need to be pointed at the subject in order to generate a perfect image.

The writer of the argument apparently assumes that

- A. the selection of the subject is not an important artistic factor in photography
- B. digital cameras will continue to improve in quality
- ☒ C. digital cameras can never go wrong
- D. photography with all other types of camera is an art form

79. The Dean claimed that, as a result of continued cutbacks in the budget for pure science research, fewer students are choosing a career in physics, and therefore the number of postgraduate students studying physics is likely to decline.

Which of the following, if true, casts most doubt on the Dean's conclusion?

- A. The number of students majoring in physics at the undergraduate level has been increasing steadily over the years, a trend that is expected to continue.
 - B. Most postgraduate students of physics move to careers in computer science and engineering.
 - ☒ C. The number of students studying chemistry declined even before cutbacks in research funding were noted.
 - D. The Dean's own university has recently increased the number of staff members teaching physics.
80. A nature conservancy expert found little support for his campaign to protect toads. He suggested that, even though the campaign highlighted the vital role the toads played in the ecology of the region, people were unenthusiastic about saving toads as these animals are perceived as unpleasant creatures, and people seldom feel passionate about animals with which they have no positive feelings.

The expert's opinion would be most strengthened by which of the following observations?

- A. Ecological conservation is an increasingly important concern in the region.
 - B. A recent campaign to save bats achieved a measure of success only after a cartoon bat was adopted as the mascot of the local football team.
 - C. Snakes and lizards also need protection in this region as a result of human activity.
 - ☒ D. The campaign to protect toads has been in existence for over five years and yet the toad population continues to decline.
81. Many people report that exposure to certain foods such as cheese, red wine, and chocolate, are associated with the onset of migraine headaches. Other people report that exposure to certain smells (especially strong perfumes) seems to trigger a migraine headache, and some note that exposure to bright and flickering lights can be followed by a migraine. It would seem that a person with a tendency to get migraines should try to find which of these situations is associated with the onset of the headache and then avoid this stimulus.

All of the following, if true, would indicate potential problems with the recommendation above except

- ☒ A. the time delay between the trigger and the onset of the headache can make it exceptionally difficult to identify the trigger
- B. in a high proportion of cases the patients report multiple triggers for their headaches
- C. in many cases an internal hormonal change triggers a migraine
- D. the presence of a known trigger doesn't always cause a migraine

82. It is strange that in Sentacity there are so many corner shops selling food items. After all there are many supermarkets in the city which sell food at cheaper prices, and many of these supermarkets are open 24-hours.

Which of the following, if true, would be of least help in explaining the paradoxical observation?

- A. The corner shops are willing to make home deliveries.
- ✓ B. The supermarkets are mostly located on the outskirts of the city and require residents to use cars or public transport to reach them.
- C. The main business of the local shops is newspaper distribution and food items represent a small part of their turnover.
- D. The corner shops are selling specialist food items not available in the supermarkets.

83. Which of the following option best completes the passage below?

The Indian Meteorological Department (IMD) has come out with the dismaying prediction that the southwest monsoon this year will be below normal. If this prognosis holds true, it may mar the prospects of redeeming the rabi crop output losses through bumper harvests in the later kharif season. India's farm sector has certainly acquired a degree of resilience when it comes to the monsoon - as reflected in the positive growth numbers in all the weak monsoon years since 2009. However, monsoon rainfall and its distribution still remain crucial.

- A. They impact supplies and prices of most farm commodities, especially coarse cereals, pulses, oilseeds, vegetables, fruit and livestock products, as well as the rural sector demand for consumer goods.
- B. A poor monsoon and subsequent food inflation might well throw off the Reserve Bank of India's schedule for rate cuts.
- C. Nevertheless, the first stage monsoon forecast of the IMD should normally be taken with a pinch of salt, as the weather agency's accuracy record on this count is none too inspiring.
- D. The monsoon's behavior this year seems to bear out the notion that climate change is affecting the Indian monsoon and altering its rainfall calendar

84. An industry wants to change its policy concerning daily working hours. Currently, this company requires all employees to arrive at work at 7 a.m. The proposed policy would permit each employee to decide when to arrive-from as early as 5 a.m. to as late as 10 a.m.

The adoption of this policy would be most likely to decrease employees' productivity if the employees' job functions required them to

- ✓ A. work without interruption from other employees
- B. consult at least once a day with employees from other companies
- C. submit their work for a supervisor's eventual approval
- D. interact frequently with each other throughout the entire workday

85. While many people think of genetic manipulation of food crops as being aimed at developing larger and larger, some plant breeders have in fact concentrated on discovering or producing dwarf varieties, which are roughly half as tall as normal varieties. Which of the following would, if true, most help to explain the strategy of the plant breeders referred to above?

- A. Plant varieties used as food by some are used as ornamentals by others.
- ☒ B. Short plants are less vulnerable to strong wind and heavy rains
- C. The wholesale prices of a given crop decrease as the supply of it increases
- D. Crops once produced exclusively for human consumption are often now used for animal feed.

86. Which of the following option best completes the passage below?

The true essence of a writer's voice lies far beneath the surface. It is not merely a matter of grammar and word choice. It is the writer's craving to connect. It is less craft and more courage — less ink and more blood. It is not only how the writer tells his story; it is the story he chooses tell. The story he must tell. It is the reason he writes.

- A. It reveals itself in details the eye doesn't easily take in— in some unexpected hesitation or cunning adverb or barely audible inflection that makes you sit up and take notice.
- ☒ B. It is the fiery truth that burns in his heart until it becomes unbearable to wait even a single moment longer before putting pen to paper or fingertips to keyboard.
- C. And contrary to popular belief, a writer's voice is learnt more than it's "found" or "discovered."
- D. It is the way an author expresses personal attitude— through word choice, asides, sentence flow, paragraph density, and other individual stylistic devices.

87. Traverton's city council wants to minimize the city's average yearly expenditures on its traffic signal lights and so is considering replacing the incandescent bulbs currently in use with arrays of light-emitting diodes (LEDs) as the incandescent bulbs burn out. Compared to incandescent bulbs, LED arrays consume significantly less energy and cost no more to purchase. Moreover, the costs associated with the conversion of existing fixtures so as to accept LED arrays would be minimal.

Which of the following would it be most useful to know in determining whether switching to LED arrays would be likely to help minimize Traverton's yearly maintenance costs?

- A. Whether Traverton's city council plans to increase the number of traffic signal lights in Traverton
- B. Whether the crews that currently replace incandescent bulbs in Traverton's traffic signals know how to convert the existing fixtures so as to accept LED arrays
- C. Whether the expected service life of LED arrays is at least as long as that of the currently used incandescent bulbs
- D. Whether any cities have switched from incandescent lights in their traffic signals to lighting elements other than LED arrays

88. Which of the following option best completes the passage below?

The 16th century in Europe was a great century of change. The humanists and artists of the Renaissance would help characterize the age as one of individualism and self-creativity. Humanists such as Petrarch helped restore the dignity of mankind while men like Machiavelli injected humanism into politics. When all is said and done, the Renaissance helped to secularize European society.

- A. The year 1543 can be said to have marked the origin of the Scientific Revolution, with Copernicus publishing *De Revolutionibus* and setting in motion a wave of scientific advance.
- ☒ B. The very powerful notion that man makes his own history and destiny took root.
- C. The century witnessed the growth of royal power, the appearance of centralized monarchies and the discovery of new lands.
- D. In the meantime, urbanization continued unabated as did the growth of universities.

89. Physician : The hormone melatonin has shown promise as a medication for sleep disorders when taken in synthesized form. Because the long-term side effects of synthetic melatonin are unknown, however, I cannot recommend its use at this time.

Patient : Your position is inconsistent with your usual practice. You prescribe many medications that you know have serious side effects, so concern about side effects cannot be the real reason you will not prescribe melatonin.

The patient's argument is flawed because it fails to consider that

- A. the side effects of synthetic melatonin might be different from those of naturally produced melatonin
- B. sleep disorders, if left untreated, might lead to serious medical complications
- ☒ C. known risks can be weighed against known benefits, but unknown risks cannot
- D. the side effects of a medication can take some time to manifest themselves

90. Which of the following option best completes the passage below?

The premise that the choice of major amounts to choosing a career path rests on the faulty notion that the major is important for its content, and that the acquisition of that content is valuable to employers. But information is fairly easy to acquire and what is acquired in 2015 will be obsolete by 2020. What employers want are basic but difficult-to-acquire skills. When they ask students about their majors, it is usually not because they want to assess the applicants' mastery of the content, but rather because they want to know if the students can talk about what they learned. They care about a potential employee's abilities: writing, researching, quantitative, and analytical skills.

- A. As students flock to the two or three majors they see as good investments, professors who teach in those majors are overburdened, and the majors themselves become more formulaic and less individualized.
- B. Often it is the art historians and anthropology majors, for example, who, having marshaled the abilities of perspective, breadth, creativity, and analysis, have moved a company or project or vision forward.
- C. A vocational approach to education eviscerates precisely the qualities that are most valuable about it: intellectual curiosity, creativity and critical thinking.
- D. Furthermore, the link between education and earnings is notoriously fraught, with cause and effect often difficult to disentangle.

91. The amount of time it takes for most of a worker's occupational knowledge and skills to become obsolete has been declining because of the introduction of advanced manufacturing technology (AMT). Given the rate at which AMT is currently being introduced in manufacturing, the average worker's old skills become obsolete and new skills are required within as little as five years.

Which of the following plans, if feasible, would allow a company to prepare most effectively for the rapid obsolescence of skills described above?

- A. The company will develop a program to offer selected employees the opportunity to receive training six years after they were originally hired.
- B. The company will ensure that it can offer its employees any training necessary for meeting their job requirements.
- C. The company will periodically survey its employees to determine how the introduction of AMT has affected them.
- D. Before the introduction of AMT, the company will institute an educational program to inform its employees of the probable consequences of the introduction of AMT.

92. In virtually any industry, technological improvements increase labor productivity, which is the output of goods and services per person-hour worked. In Parkland's industries, labor productivity is significantly higher than it is in Vergia's industries. Clearly, therefore, Parkland's industries must, on the whole, be further advanced technologically than Vergia's are.

The argument is most vulnerable to which of the following criticisms?

- A. It offers a conclusion that is no more than a paraphrase of one of the pieces of information provided in its support.
- B. It takes one possible cause of a condition to be the actual cause of that condition without considering any other possible causes.
- ☒ C. It presents as evidence in support of claim information that is inconsistent with other evidence presented in support of the same claim.
- D. It takes a condition to be the effect of something that happened only after the condition already existed.

93. A drug that is highly effective in treating many types of infection can, at present, be obtained only from the bark of the ibora, a tree that is quite rare in the wild. It takes the bark of 5,000 trees to make one kilogram of the drug. It follows, therefore, that continued production of the drug must inevitably lead to the ibora's extinction.

Which of the following, if true, most seriously weakens the argument above?

- A. The drug made from ibora bark is dispensed to doctors from a central authority.
- ☒ B. The ibora can be propagated from cuttings and grown under cultivation.
- C. The drug made from ibora bark is expensive to produce.
- D. The leaves of the ibora are used in a number of medical products.

94. Last year the rate of inflation was 1.2 percent, but for the current year it has been 4 percent. We can conclude that inflation is on an upward trend and the rate will be still higher next year.

Which of the following, if true, most seriously weakens the conclusion above?

- The inflation figures were computed on the basis of a representative sample of economic data rather than all of the available data.
- A. Increases in the pay of some workers are tied to the level of inflation, and at an inflation rate of 4 percent or above, these pay raises constitute a force causing further inflation.
 - B. Last year a dip in oil prices brought inflation temporarily below its recent stable annual level of 4 percent.
 - ☒ C. The 1.2 percent rate of inflation last year represented a 10-year low.
 - D. Government intervention cannot affect the rate of inflation to any significant degree.

95. For similar cars and comparable drivers, automobile insurance for collision damage has always cost more in Greatport than in Fairmont. Police studies, however, show that cars owned by Greatport residents are, on average, slightly less likely to be involved in a collision than cars in Fairmont. Clearly, therefore, insurance companies are making a greater profit on collision-damage insurance in Greatport than in Fairmont.

In evaluating the argument, it would be most useful to compare

- A. the level of traffic congestion in Greatport with the level of traffic congestion in Fairmont
 - B. the rates Greatport residents pay for other forms of insurance with the rates paid for similar insurance by residents of Fairmont
 - C. the cost of repairing collision damage in Greatport with the cost of repairing collision damage in Fairmont
 - ☒ D. the condition of Greatport's roads and streets with the condition of Fairmont's roads and streets
96. Sue: Commercial flights currently contribute more carbon dioxide to the atmosphere in one year than does the whole of Africa. If we want to reduce global warming we need to restrict the number of flights we take.

Dave: Did you know that by taking one inter-continental flight you cause more pollution than you would in twelve months of car travel?

Dave's response to Sue's comment serves to

- A. reinforce Sue's contention that flights are a major contributor to increased carbon dioxide levels
 - ☒ B. add more weight to her contention that we should reduce the number of flights we take
 - C. mitigate the force of her argument by suggesting that there is an alternative approach
 - D. suggest an alternative that will reduce the effect of pollution
97. It is not unusual to see the ball fall into a black slot on a roulette wheel four times in a row. But for it to fall five or six times in a row into the same color is very unusual. Therefore you can win money by waiting for a run of five of the same color and then betting against that color.
- If the roulette wheel in question is a fair wheel, which of the following observations or facts, if it were true, would best reveal a fallacy in the logic?
- A. If there were a reliable way to win at roulette it would be well-known by now.
 - ☒ B. The probability of getting a particular color is always the same no matter what has gone before.
 - C. It is hard for a player to keep track of what went before for the time required.
 - D. The probability of getting a particular color decreases with the number of times the color has appeared.

98. Although parapsychology is often considered a pseudoscience, it is in fact a genuine scientific enterprise, for it uses scientific methods such as controlled experiments and statistical tests of clearly stated hypotheses to examine the questions it raises.

The conclusion above is properly drawn if which of the following is assumed?

- A. If a field of study can conclusively answer the questions it raises, then it is a genuine science.
- B. Since parapsychology uses scientific methods, it will produce credible results.
- C. Any enterprise that does not use controlled experiments and statistical tests is not genuine science.
- D. Any field of study that employs scientific methods is a genuine scientific enterprise.

99. As a construction material, bamboo is as strong as steel and sturdier than concrete. Moreover, in tropical areas bamboo is a much less expensive construction material than either steel or concrete and is always readily available. In tropical areas, therefore, building with bamboo makes better economic sense than building with steel or concrete, except where land values are high.

Which of the following, if true, most helps to explain the exception noted above?

- A. Bamboo is unsuitable as a building material for multi-storey buildings.
- B. Buildings constructed of bamboo are less likely to suffer earthquake damage than are steel and concrete buildings.
- C. In order to protect it from being damaged by termites and beetles, bamboo must be soaked, at some expense, in a preservative.
- D. In some tropical areas, bamboo is used to make the scaffolding that is used during large construction projects.

100. Anton: I sold my house on an internet site last year and was happy with the price. I got a speedy sale and the cost of advertising was insignificant. I would advise you to avoid real estate agents.

Barbie: It is in the interest of the real estate agent to get me the best price for my property because he gets a commission based on the selling price. Therefore, when selling my house I will certainly use an agent rather than trying to sell the house by word of mouth, or by advertising in newspapers or on the internet.

Barbie could strengthen her position by pointing out all of the following except

- A. Houses of comparable value often obtain a lower price when sold on the internet
- B. Very few houses are sold on the internet at the moment and so a valid comparison is difficult
- C. The agent's service includes many add-on benefits in terms of legal fees, surveyor's reports and advice that are not available on internet sites
- D. Some buyers pay the agent to find them a cheap house

101. Wood smoke contains dangerous toxins that cause changes in human cells. Because wood smoke presents such a high health risk, legislation is needed to regulate the use of open-air fires and wood-burning stoves.

Which of the following, if true, provides the most support for the argument above?

- A. The amount of dangerous toxins contained in wood smoke is much less than the amount contained in an equal volume of automobile exhaust.
- B. Within the jurisdiction covered by the proposed legislation, most heating and cooking is done with oil or natural gas.

- C. In valleys where wood is used as the primary heating fuel, the concentration of smoke results in poor air quality
- D. No significant beneficial effect on air quality would result if open-air fires were banned within the jurisdiction covered by the proposed legislation

102. Parland's alligator population has been declining in recent years, primarily because of hunting. Alligators prey heavily on a species of fresh water fish that is highly valued as food by Parlanders, who had hoped that the decline in the alligator population would lead to an increase in the numbers of these fish available for human consumption. Yet the population of this fish species has also declined, even though the annual number caught for human consumption has not increased.

- Which of the following, if true, most helps to explain the decline in the population of the fish species?
- A. The decline in the alligator population has meant that fishers can work in some parts of lakes and rivers that were formerly too dangerous.
 - B. The main predator of these fish is another species of fish on which alligators also prey.
 - C. Over the last few years, Parland's commercial fishing enterprises have increased the number of fishing boats they use.
 - D. Many Parlanders who hunt alligators do so because of the high market price of alligator skins, not because of the threat alligators pose to the fish population.

Questions 103-112 consist of sentences that are either partly or entirely underlined. Below each sentence are four versions of the underlined portion of the sentence. Read the sentence and the four choices carefully, and select the best version.

103. Dieters who regain weight usually think flattening their tummies means giving up all their favourite fattening foods. In fact most diet winners still eat doughnuts and pizza – but they do so with equanimity.
- A. but they do so with equanimity.
 - ☒ B. But in moderation.
 - C. But they do so soberly.
 - ☒ D. But they do so with a sense of judiciousness.
104. The population of tigers in the National Park is increasing steadily, and this is a source of encouragement to those who have worked so hard to fund the conservation effort.
- A. steadily, and this
 - ☒ B. steadily, this increase
 - C. steadily; this trend
 - D. steady, and this
105. It was us who had left before he arrived.
- A. we who had left before time he had arrived.
 - ☒ B. we who had left before he arrived.
 - C. us who had went before he arrived.
 - D. us who had went before had arrived.

106. China's economy continues to flourish this year: industrial production grew, inflation has eased, and the trade surplus swelled.
- A. grew, inflation has eased, and the trade surplus swelled
 - B. has grown, inflation eased, and the trade surplus is swelling
 - ☒ C. has grown, inflation eased, and the trade surplus has swelled
 - D. is growing, inflation easing and the trade surplus swelling
107. After working for two hours, the essay started to take shape, and he began to hope that he might finish before the deadline.
- ☒ A. After working for two hours, the essay started to take shape, and he began to hope
 - B. When the essay started to take shape after he had worked on it for two hours, he began to hope
 - C. When the essay started to take shape after he had worked on it for two hours, he began to hope
 - D. When the essay started to take shape after working on it for two hours, he began to hope
108. It is probable that the prototype cellular motor might be ready for testing around the end of next year.
- A. might be ready for testing around the end of next year
 - ☒ B. will be ready for testing toward the end of next year
 - C. might be ready for testing toward next year's end
 - D. should be ready for testing toward the end of next year
109. Unlike traditional bullet-proof vests, which can prevent serious injury, but which cannot prevent the wearer being knocked over by the impact, new vest designs are being developed in the United States where bullets bounce off.
- A. new vest designs are being developed in the United States where bullets bounce off
 - B. new vest designs, where bullets bounce off, are being developed in the United States
 - ☒ C. the United States is developing new vests, designed to make bullets bounce off
 - D. new vests, designed to make bullets bounce off, are being developed in the United States
110. A teacher at the school acknowledged that, despite government sponsored endeavors to improve classroom performance, an extraordinary high percentage of their students fail to gain admission to higher education.
- A. an extraordinary high percentage of their students fail to gain admission to higher education
 - ☒ B. an extraordinarily high percentage of its students fail to gain admission to higher education
 - C. an extraordinary high percentage of its students fails to gain admission to higher education
 - D. the percentage of their students failing to gain admission to higher education is extraordinarily high
111. Until the European Convention on Human Rights came into effect in 2000, no law of privacy was as yet acknowledged by British courts.
- A. no law of privacy was as yet acknowledged by British courts
 - B. British courts did not acknowledge a law of privacy
 - ☒ C. the courts in Britain had not acknowledged a law of privacy
 - D. a law of privacy was not acknowledged by the courts in Britain

112. Wordsworth was one of the first European poet to consider the lowliest members of society to be valid subjects for poetry.
- A. European poet to consider the lowliest members of society to be
 - B. of European poets to consider the lowliest members of society to be
 - ☒ C. European poets to consider the lowliest members of society as
 - D. European poets to consider the lowliest members of society

Answer questions 113-118 on the basis of the passage given below

Passage 1

Although websites such as Facebook and MySpace experienced exponential growth during the middle of the first decade of the 21st century, some users remain oblivious to the fact that the information they post online can come back to haunt them. First, employers can monitor employees who maintain a blog, photo diary, or website. Employers can look for controversial employee opinions, sensitive information disclosures, or wildly inappropriate conduct. For example, a North Carolina newspaper fired one of its features writers after she created a blog on which she anonymously wrote about the idiosyncrasies of her job and co-workers.

The second unintended use of information from social networking websites is employers who check on prospective employees. A June 11, 2006 New York Times article reported that many companies recruiting on college campuses use search engines and social networking websites such as MySpace, Xanga, and Facebook to conduct background checks. Although the use of MySpace or Google to scrutinize a student's background is somewhat unsettling to many undergraduates, the Times noted that the utilization of Facebook is especially shocking to students who believe that Facebook is limited to current students and recent alumni.

Corporate recruiters and prospective employers are not the only people interested in college students' lives. The third unintended use of social networking websites is college administrators who monitor the Internet—especially Facebook—for student misconduct. For example, a college in Boston's Back Bay expelled its student Government Association President for joining a Facebook group highly critical of a campus police sergeant. In addition, fifteen students at a state university in North Carolina faced charges in court for underage drinking because of photos that appeared on Facebook.

Although more users of websites such as Facebook are becoming aware of the potential pitfalls of online identities, many regular users still fail to take three basic security precautions. First, only make your information available to a specific list of individuals whom you approve. Second, regularly search for potentially harmful information about yourself that may have been posted by mistake or by a disgruntled former associate. Third, never post blatantly offensive material under your name or on your page as, despite the best precautions, this material will likely make its way to the wider world. By taking these simple steps, members of the digital world can realize the many benefits of e-community without experiencing some of the damaging unintended consequences.

113. ☒ Based upon the passage, the author implies which of the following:
- ☒ A. Information obtained unwillingly from the Internet is permissible in court
 - B. It is impossible to protect yourself from unintended uses of information online
 - C. Making information available only to people whom you trust compromises your online community
 - D. Even if you restrict who can view your data, the government may still access it

114. Which of the following best describes the author's logical flow in the passage?
- A. Provide examples of a problem, offer a counter point, provide a resolution of the conflicting views, and offer a brief evaluation of the issue at hand
 - ☒ B. Define a problem, provide examples of it, offer means of remedying it, and offer a brief evaluation of the issue at hand
 - C. Provide examples of a problem, provide means of remedying it, offer a brief evaluation of the issue at hand, and provide a contrasting evaluation of the issue at hand
 - D. Define a problem, provide examples of it, offer a brief evaluation of the issue at hand, and offer suggestions to support that evaluation
115. The author implies that users should take all of the following actions to protect their online privacy EXCEPT
- A. Speak with recruiters to inform them of any misinformation published about you
 - B. Know to whom you make your online information available
 - C. Actively hunt for misinformation or damaging information posted about you or under your name
 - ☒ D. Carefully select and limit who can view your electronic profile
116. The tone of the passage suggests that the author's view toward e-community and the digital world can best be described as:
- A. Largely Pessimistic
 - B. Distressed
 - C. Strongly Optimistic
 - ☒ D. Guardedly Optimistic
117. Primary purpose of the passage is to:
- A. Explain the growth of the digital world through the lens of privacy
 - B. Evaluate the pros and cons of active participation in the digital world
 - ☒ C. Discuss the risks of the digital world and suggest ways to protect yourself
 - D. Propose steps Facebook, MySpace, and Google can take to protect user privacy
118. Which of the following best describes the relationship of the fourth paragraph to the remainder of the passage?
- A. It offers detailed examples to support previous assertions
 - ☒ B. It provides suggestions to ameliorate the previously mentioned problems
 - C. It summarizes the points of the preceding paragraphs
 - D. It offers counter evidence and an alternative point of view to the claims made earlier in the passage

Answer questions 119-124 on the basis of the passage given below

Passage 2

Jazz has been called "the art of expression set to music", and "America's great contribution to music". It has functioned as popular art and enjoyed periods of fairly widespread public response, in the "jazz age" of the 1920s, in the "swing era" of the late 1930s and in the peak popularity of modern jazz in the late 1950s. The standard legend about Jazz is that it originated around the end of the 19th century in New Orleans and moved up the Mississippi River to Memphis, St. Louis, and finally to Chicago. It welded together the elements of Ragtime, marching band music, and the Blues. However, the influence of what led to those early sounds goes back to tribal African drum beats and European musical structures. Buddy Bolden, a New Orleans barber and cornet player, is generally considered to have been the first real Jazz musician, around 1891.

What made Jazz significantly different from the other earlier forms of music was the use of improvisation. Jazz displayed a break from traditional music where a composer wrote an entire piece of music on paper, leaving the musicians to break their backs playing exactly what was written on the score. In a Jazz piece, however, the song is simply a starting point, or sort of skeletal guide for the Jazz musicians to improvise around. Actually, many of the early Jazz musicians were bad sight readers and some couldn't even read music at all. Generally speaking, these early musicians couldn't make very much money and were stuck working menial jobs to make a living. The second wave of New Orleans Jazz musicians included such memorable players as Joe Oliver, Kid Ory, and Jelly Roll Morton. These men formed small bands and took the music of earlier musicians, improved its complexity, and gained greater success. This music is known as "hot Jazz" due to the enormously fast speeds and rhythmic drive.

A young cornet player by the name of Louis Armstrong was discovered by Joe Oliver in New Orleans. He soon grew up to become one of the greatest and most successful musicians of all time, and later one of the biggest stars in the world. The impact of Armstrong and other talented early Jazz musicians changed the way we look at music.

119. The Passage answers which of the following questions?
- Why did Ragtime, marching band music, and the Blues lose popularity after about 1900?
 - What were the origins of Jazz and how did it differ from other forms of music?
 - What has been the greatest contribution of cornet players to music in the twentieth century?
 - Which early Jazz musicians most influenced the development of Blues music?
120. According to the passage, Jazz originated in
- Chicago
 - New Orleans
 - St. Louis
 - along the Mississippi river
121. Which of the following distinguished Jazz as a new form of musical expression?
- the use of cornets
 - improvisation
 - "hot Jazz"
 - New Orleans

122. Which of the following can be inferred from the passage?
- A. many early Jazz musicians had poor sight
 - B. there is no slow music in Jazz
 - C. many early Jazz musicians had little formal musical training
 - D. the cornet is the most common musical instrument used in Jazz
123. According to the passage, which of the following belonged to the second wave of New Orleans Jazz musicians?
- A. Louis Armstrong
 - B. Joe Oliver
 - C. Buddy Bolden
 - D. St. Louis
124. All of the following are true EXCEPT
- A. the late 1930s was called the "swing era"
 - B. "hot Jazz" is rhythmic
 - C. Joe Oliver is generally considered to be the first real Jazz musician
 - D. Jazz has been said to be America's greatest contribution to music

Read questions 125-136 carefully and select the word that is most similar or dissimilar in meaning to the word provided:

125. WOEFUL is most dissimilar to
- A. Gloomy
 - ☒ B. Sinful
 - C. Cheerful
 - D. Careful
126. CAPRICIOUS is most dissimilar to
- A. Pedantic
 - ☒ B. Demure
 - C. Steadfast
 - D. Capable
127. ZEPHYR is most similar to
- A. Chill
 - B. Breeze
 - C. Snow
 - ☒ D. Wave
128. ENERVATE is most similar to
- A. Energize
 - B. Enhance
 - ☒ C. Weaken
 - D. Placate

129. ETERNAL is most dissimilar to
A. Concrete
B. Patient
☒ C. Ephemeral
D. Piqued
130. PANACEA is most similar to
☒ A. Remedy
B. Prescription
C. Dosage
D. Vaccine
131. ABSTRUSE is most dissimilar to
A. Turbid
B. Cloudy
C. Clear
☒ D. Problematic
132. FORSAKE is most similar to
☒ A. Abandon
☒ B. Sustain
C. Grace
D. Patronize
133. ANOMALY is most dissimilar to
A. Regularity
☒ B. Omen
C. Possibility
D. Tangent
134. BOLSTER is most similar to
A. Allow
☒ B. Reinforce
C. Hold
D. Bulletin
135. MERCURIAL is most dissimilar to
A. Tranquil
☒ B. Erratic
C. Stoic
D. Volatile
136. LATENT is most similar to
A. Manifest
B. Patent
☒ C. Unexposed
D. Obvious

137. In which part of Indian Constitution Fundamental rights are provided?

- A. Part III
- B. Part II
- ☒ C. Part IV
- D. Part V

138. Who is the chairman of the Planning Commission in India?

- A. Prime Minister
- B. President
- C. Vice President
- D. Finance Minister

139. Who proposed the preamble before the Drafting Committee of the Constitution?

- ☒ A. B.R. Ambedkar
- B. B.N. Rao
- C. Jawaharlal Nehru
- D. Mahatma Gandhi

140. Mashelkar committee was constituted to report on:

- A. Black money
- B. Auto fuel policy
- C. Economic policy
- D. Constitutional Changes

141. The headquarters of GST council is located at _____.

- A. Mumbai
- B. Bangalore
- C. New Delhi
- D. Ahmedabad

142. In which year the United Nations won the Nobel Peace Prize?

- A. 2001
- B. 2005
- ☒ C. 2003
- D. 1999

143. The period of high inflation, low economic growth and high unemployment is termed as?

- ☒ A. Stagnation
- B. Stagflation
- C. Take-off stage in economy
- D. None of these

144. Economic survey is published by:

- A. Planning Commission
- B. Govt of India
- ☒ C. Ministry of Finance
- D. Indian Statistical Institute

145. The terms "Technical foul" and "Flagrant Foul" are most commonly associated with which of the following sports?

- ☒ A. Table Tennis
- B. Basket Ball
- C. Badminton
- D. Football

146. National Football Museum" which keeps FIFA collection is located in which country?

- A. Switzerland
- B. England
- C. Canada
- ☒ D. France

147. Which among the following was the venue of first South Asian Games?

- A. Dhaka
- ☒ B. Kathmandu
- C. Colombo
- D. New Delhi

148. Tropic of Cancer passes through which of the following group of Indian States:

- A. Gujarat, MP, Chattisgarh, Manipur
- B. UP, MP, Bihar, Jharkhand
- ☒ C. Rajasthan, Jharkhand, West Bengal, Mizoram
- D. Maharashtra, Chattisgarh, Orissa, Andhra Pradesh

149. Tumkur, where Geological Survey of India has found indications of Gold Reserves, is located in which among the following states?

- ☒ A. Andhra Pradesh
- B. Tamil Nadu
- C. Karnataka
- D. Maharashtra

150. Atmospheric pressure generated on the earth's surface is due to:

- ☒ A. Earth's rotation
- ☒ B. Gravitational force of the earth
- C. Earth's revolution
- D. None of these

151. "National Seed Research and Training Centre" is located at?

- ☒ A. Lucknow
- ☒ B. Varanasi
- C. Pune
- D. Bhopal

152. Psychrometer is an instrument used to measure:

- ☒ A. Atmospheric pressure
- ☒ B. Relative humidity of air
- ☒ C. Relative density of liquids
- D. None of these

153. Who was the first film maker to receive Bharat Ratna Award?

- A. Mahesh Bhatt
- B. Ramesh Sippy
- ☒ C. Satyajit Ray
- D. Yash Chopra

154. Where is "Centre for Earth Science Studies" located?

- A. Goa
- ☒ B. Thiruvananthapuram
- C. Bangalore
- D. Patiala

155. The tomb of Babur is located at:

- A. Lahore
- B. Istanbul
- ☒ C. Kabul
- D. Baghdad

156. Loudness of sound depends upon the _____ of the sound wave.

- A. Frequency
- B. Amplitude
- C. Wavelength
- ☒ D. Pitch

157. Which method can be applied to determine purity of a metal?

- A. Boyle's law
- B. Newton's law
- ☒ C. Archimedes principle
- D. Pascal's law

158. Where is Salar Jung Museum situated?

- ☒ A. Hyderabad
- B. Jaipur
- C. Mumbai
- D. Lucknow

159. Insulin controls the metabolism of:

- ☒ A. Fats
- ☒ B. Carbohydrates
- C. Hormones
- D. Proteins

160. The term 'Aryan' denotes:

- A. An ethnic group
- ☒ B. A speech group
- ☒ C. A Superior race
- D. None of these

161. What is the animal on the insignia of the RBI?

- A. Lion
- B. Panther
- ☒ C. Tiger
- ☒ D. Elephant

162. The power of the President of India to issue an ordinance is a:

- ☒ A. Executive Power
- B. Legislative Power
- ☒ C. Constituent Power
- D. None of these

163. Who is known as "the Father of Geometry"?

- A. Kepler
- ☒ B. Euclid
- C. Aristotle
- D. Pythagoras



164. How many squares are there on a standard chess board?

- A. 48
- B. 108
- ☒ C. 64
- ☒ D. 96

$$1+4+16+4+64$$

165. The "World Poetry day" is observed on which date?

- ☒ A. March 21
- ☒ B. April 7
- ☐ C. June 18
- ☐ D. October 6

166. The Indus Valley Civilization was discovered in

- ☒ A. 1921
- ☒ B. 1922
- ☒ C. 1902
- ☐ D. 1930

167. The book "Animal Farm" is written by:

- ☐ A. Oscar Wild
- ☐ B. G.B Shaw
- ☒ C. George Orwell
- ☐ D. Charles Dickens

168. Which newspaper has the motto – Journalism of Courage?

- ☒ A. The Indian Express
 - ☐ B. The Hindustan Times
 - ☐ C. The Washington Post
 - ☐ D. The Guardian
- Let truth prevail To I*

169. The Jain philosophy holds that the world is created and maintained by

- ☒ A. Universal Faith
- ☐ B. Universal Truth
- ☐ C. Universal Soul
- ☐ D. Universal Law

170. In which field Booker Prize is given?

- ☐ A. Medicine
- ☐ B. Science
- ☒ C. Fiction writing
- ☐ D. Adventure