

# FMS : 2007

No. of Questions : 175

Time : 120 minutes

1 A consignment of 20 picture tubes contains 5 defectives. Two tubes are selected one after the other at random. The probability that both are defective assuming that the first tube is not replaced before drawing the second, would be:

1.  $\frac{1}{16}$

2.  $\frac{1}{19}$

3.  $\frac{1}{4}$

4. None of the above

2 A property tax increase was proposed by a municipal corporation and it was observed that 40% of the property owners favoured it while 80% of the non-owners of property favoured it. If 70% of the voters are property owners, what is the probability that a voter selected at random would be the one favouring the increase?

1. 0.52

2. 0.80

3. 0.40

4. Data inadequate

3 A service complaint centre receives, on an average 2 telephone calls every 15 minutes. The change that 3 calls be received in a 30 minute interval, would be around

1. 19%

2. 1.9%

3. 2.5%

4. None of the above

4 A manufacturer of batteries wishes to give a guarantee for the free replacement of the batteries whose life is less than a certain time period. If he desires to replace no more than 5% of the batteries, what should be the guarantee period (it has to be lesser than the mean life) if the lives of batteries are normally distributed with a mean of 1200 hours and standard deviation of 100 hours. (Note: For 95% population, normal variate = 1.645)

1. 1035.5 hours

2. 2845 hours

3. 1195 hours

4. Data inadequate

5 An electronic device makes a beep after 60 sec. Another device makes a beep after every 62 sec. They beeped together at 10 a.m. The next time, when they would beep together at the earliest is:

1. 10.30 a.m.
2. 10.31 a.m.
3. 10.59 a.m.
4. 11 a.m.

6 If  $\frac{a}{b} = \frac{4}{5}$  and  $\frac{b}{c} = \frac{15}{16}$ , then  $\frac{c^2 - a^2}{c^2 + a^2}$  would be

1.  $\frac{1}{7}$
2.  $\frac{7}{25}$
3.  $\frac{3}{4}$
4. None of these

7 The expression  $\left[ \frac{\sqrt{7} + \sqrt{5}}{\sqrt{7} - \sqrt{5}} + \frac{\sqrt{7} - \sqrt{5}}{\sqrt{7} + \sqrt{5}} \right]$  is equal to

1.  $2(\sqrt{7} + \sqrt{5})$
2.  $2\sqrt{7} \cdot \sqrt{5}$
3. 2
4. 12

8 If  $\frac{a}{3} = \frac{b}{4} = \frac{c}{7}$ , the value of  $\frac{a + b + c}{c}$  is

1. 7
2. 2
3.  $\frac{1}{2}$
4.  $\frac{1}{7}$

9 The price of LPG increases by 20%. By what percent must a family reduce the consumption of LPG, so that the expenditure on gas is the same as before?

1. 83.33

- 2. 80
- 3. 20
- 4. 16.66

10 In a market research project, 20% opted for "Nirma" detergent whereas 60% opted for "surf blue" detergent. The remaining individuals were not certain. If the difference between those who opted for "surf blue" and those who were uncertain was 720, how many respondents were covered in the survey?

- 1. 1800
- 2. 1440
- 3. 3600
- 4. Data is inadequate

11 The value of  $\sqrt[4]{(625)^3}$  is:

- 1. 25
- 2. 125
- 3.  $\sqrt[3]{1875}$
- 4. None of these

12  $\left[ 1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{3}}}} \right] \div 1 \frac{4}{7}$  is equal to

- 1.  $1 \frac{1}{3}$
- 2.  $1 \frac{1}{4}$
- 3.  $1 \frac{1}{7}$
- 4. 1

13 If 40% of the Delhites read Times of India, 50% read The Hindustan Times and 10% read both the papers, what percent of the people read neither newspaper?

- 1. 10%
- 2. 15%
- 3. 20%
- 4. 5%

14 A sales executive's commission is 5% on all sales upto Rs. 10,000 and 4% on all sales exceeding this. He remits Rs. 31,100 to his parent company after deducting his commission. His sales was worth:

1. Rs. 35,000
2. Rs. 36,100
3. Rs. 35,100
4. Rs. 32,500

15  $z = \frac{x^2}{y}$  and x, y both are increased in value by 10% then the value of z:

1. Remains unchanged
2. Increases by 10%
3. Increases by 11%
4. Increases by 20%

16 If a exceeds b by x%, then which one of following equation is correct:

1.  $a = b + \frac{x}{100}$
2.  $b = a + 100x$
3.  $a = \frac{bx}{100 + x}$
4.  $a = b + \frac{bx}{100}$

17 If the price of a DVD player is increased by 25%, then by what percentage the new price be reduced to bring it down to the original level?

1. 15%
2. 20%
3. 25%
4. 30%

18 Prof. Chatterjee bought a car and got 15% of its original price as dealer's discount. He then sold it with 20% profit on his purchase price. What percentage profit did he get on the original price?

1. 2%
2. 12%
3. 5%
4. 17%

19 A retailer allows a trade discount of 20% and a cash discount of 6.25% on the marked price of the products and gets a net profit of 20% on the cost. By how much above the cost, should the products be labelled for sale?

1. 40%
2. 50%

3. 60%
4. 70%

20 If  $a : b = b : c$ , then  $a^4 : b^4$  would equal to:

1.  $ac : b^2$
2.  $a^2 : c^2$
3.  $c^2 : a^2$
4.  $b^2 : ac$

21 If  $x : y = 3 : 4$  then  $(2x + 3y) : (3y - 2x)$  would be equal to:

1. 2 : 1
2. 3 : 2
3. 3 : 1
4. 21 : 1

22 If  $\log_2[\log_3(\log_2 x)] = 1$ , then  $x$  is equal to:

1. 512
2. 128
3. 12
4. zero

23 If  $\log \frac{a}{b} + \log \frac{b}{a} = \log(a + b)$ , then

1.  $a + b = 1$
2.  $a - b = 1$
3.  $a^2 - b^2 = 1$
4.  $a = b$

24 If  $\log_5(x^2 + x) - \log_5(x + 1) = 2$ , then the value of  $x$  is

1. 5
2. 32
3. 25
4. 10

25 If each side of a square is increased by 50%, the ratio of the area of resulting square to the area of the given square is:

1. 5 : 4
2. 9 : 4
3. 4 : 5
4. 4 : 9

- 26 A triangle of area  $9y \text{ cm}^2$  has been drawn such that its area is equal to the area of an equilateral triangle of side 6 cm. The value of  $y$  would be:
1.  $\sqrt{2}$
  2.  $\sqrt{3}$
  3. 2
  4. 3
- 27 If  $x$  is the length of a median of an equilateral triangle, then its area is:
1.  $x^2$
  2.  $\frac{1}{2}x^2$
  3.  $\frac{x^2\sqrt{3}}{2}$
  4.  $\frac{x^2\sqrt{3}}{3}$
- 28 A toothed wheel of diameter 50 cm is attached to a smaller wheel of diameter 30 cm. How many revolutions will the smaller wheel make when the larger one makes 15 revolutions?
1. 18
  2. 20
  3. 25
  4. 30
- 29 Three cubes of iron whose edges are 6 cm, 8 cm and 10 cm respectively are melted and formed into a single cube. The edge of the new cube formed is:
1. 12 cm
  2. 14 cm
  3. 16 cm
  4. 18 cm
- 30 If the areas of three adjacent faces of a cuboid are  $x$ ,  $y$ ,  $z$  respectively, then volume of the cuboid is:
1.  $xyz$
  2.  $2xyz$
  3.  $\sqrt{xyz}$
  4.  $3\sqrt{xyz}$
- 31 Sound travels at 330 metres a second. How many kilometres away is a thundercloud when its sound follows the flash after 10 seconds?

1. 3.30
  2. 33
  3. 0.33
  4. 3.33
- 32 FMS wants to execute tiling work for one of its teaching halls 60 m long and 40 m wide with a square tile of 0.4 m side. If each tile costs Rs. 5, the total cost of tiles would be:
1. Rs. 60,000
  2. Rs. 65,000
  3. Rs. 75,000
  4. Rs. 12,000
- 33 Rs. 2000 amount to Rs. 2600 in 5 years at simple interest. If the interest rate were increased by 3%, it would amount to how much?
1. Rs. 2900
  2. Rs. 3200
  3. Rs. 3600
  4. None of these
- 34 An amount of Rs. 100,000 is invested in two types of shares. The first yields an interest of 9% per annum and the second yields 11% per annum. If the total interest at the end of one year is 9.75%, then the amount invested in each share respectively is:
1. Rs. 72,500, Rs. 27,500
  2. Rs. 62,500, Rs. 37,500
  3. Rs. 52,500, Rs. 47,500
  4. Rs. 82,500, Rs. 17,500
- 35 Poorva Express destined for Howrah starts from New Delhi at the speed of 50 kmph. After one hour, Howrah Rajdhani starts from the same station for Howrah at the speed of 70 kmph. Taking basic geography into account, Rajdhani Express would catch up with Poorva Express in the following segment:
1. Tundla - Kanpur
  2. Kanpur -Mughalsarai
  3. Mughalsarai -Dhanbad
  4. Dhanbad- Howrah
- 36 In which year, the value per tin was minimum?
1. 1996
  2. 1997
  3. 1999
  4. 2000

37 What was the approximate percent increase in export value from 1996 to 2000?

1. 350
2. 330.3
3. 433.3
4. None of these

38 What was the percentage drop in export quantity from 1996 to 1997?

1. 75
2. 30
3. 25
4. None of these

39 If in 1999, the processed food tins were exported at the same rate per tin as that in 1998, what would be the value (in crores of rupees) of export in 1999?

1. 400
2. 375
3. 352
4. 330

40 How much does a watch lose per day, if its hands coincide every 64 minutes?

1. 96 min
2. 90 min
3.  $36\frac{5}{11}$  min
4.  $32\frac{8}{11}$  min

41 The value of  $\frac{1}{\sqrt{9}-\sqrt{8}} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}} + \frac{1}{\sqrt{5}-\sqrt{4}}$  is equal to:

1. zero
2. 1
3. 5
4.  $\frac{1}{3}$

42 The expression  $(2 + \sqrt{2}) + \frac{1}{2 + \sqrt{2}} + \frac{1}{\sqrt{2} - 2}$  equals:

1. 2



2.  $2\sqrt{2}$

3.  $2\sqrt{2}$

4.  $2 + \sqrt{2}$

43 If  $a = \sqrt{\sqrt{3 + \sqrt{3 + \sqrt{3 + \dots}}}}$ , then which of the following is true?

1.  $2 < a < 3$

2.  $a > 3$

3.  $3 < a < 4$

4.  $a = 3$

44 If  $1.5x = 0.04y$ , then value of  $\frac{y - x}{y * x}$  is

1.  $\frac{730}{77}$

2.  $\frac{73}{77}$

3.  $\frac{7.3}{77}$

4. None of these

45 A sum of money placed at compound interest doubles itself in 5 years. It would amount eight times in

1. 10 years

2. 12 years

3. 15 years

4. 20 years

46 The percentage of gross investments in State Government Securities is:

1. 7.1%

2. 7.8%

3. 8.6%

4. 9.2%

47 The magnitude of AOC is nearly:

1.  $130^\circ$

2.  $160^\circ$

3.  $180^\circ$

4. None of these

48 The investment in social sector (plan and non plan) is \_\_\_\_\_ than the investment Government Securities (Central and State) by \_\_\_\_\_

1. more, 4 crore
2. more, 1 crore
3. more, 111 crore
4. less, 106 crore

49 The investment in private sector is higher than the investment in State Government Securities by what percent?

1. 66
2. 54
3. 46
4. 40

50 The ratio of the area of circle to the right of COF to the area of circle to the left of it is:

1. 1
2. 0.92
3. 0.94
4. 0.96

51 **Directions:** In the question given below establish the relationship between the two words. Then from the given options select one, which has the same relationship as of the given two words.

Mania is to Craze as Phobia is to?

1. Desires
2. Hobbies
3. Want
4. Fear

52 **Directions:** In the question given below establish the relationship between the two words. Then from the given options select one, which has the same relationship as of the given two words.

\_\_\_\_\_ is to Dumb as Light is to Blind.

1. Voice
2. Language
3. Speech
4. Tongue

53 **Directions:** In the question given below establish the relationship between the two words. Then from the given options select one, which has the same relationship as of the given two words.

Physicist is to Mathematics as \_\_\_\_\_ is to Anatomy.

1. Botany
2. Botanist
3. Body
4. Biologist

54 **Directions:** In the question given below establish the relationship between the two words. Then from the given options select one, which has the same relationship as of the given two words.

Love is to Hate as Friend is to \_\_\_\_\_

1. Trust
2. Companion
3. Enemy
4. Despise

55 **Directions:** In the question given below establish the relationship between the two words. Then from the given options select one, which has the same relationship as of the given two words.

Flower is to Petal is \_\_\_\_\_ is to Arm.

1. Hand
2. Weapon
3. Law
4. Body

56 What is the surname of Lata?

1. Saxena
2. Mathur
3. Sanjay
4. Mehta

57 How is Sonu related to the father of Rita?

1. Grandson
2. Son-in-law
3. Son
4. Cousin

58 What is the surname of Sonu?

1. Saxena
2. Mathur
3. Mehtar
4. Sunil

59 How is Mrs. Mathur related to Sunil?

1. Aunt
2. Mother-in-law
3. Mother
4. Sister-in-law

60 **Directions:** Raman was driving in New Town, where all roads ran either north-south or east-west forming a grid. Roads were at a distance of 1 km from each other in parallel.

Raman started at the inter-section of streets no. 7 and 8. He drove three km north, three km west, and four km south. Which further route could bring him back to his starting point?

- I. 3 km east, then 2 km south
- II. 1 km north, then 3 km east
- III. 1 km north, then 2 km west

1. I only
2. II only
3. I and II only
4. II and III only

61 **Directions:** Raman was driving in New Town, where all roads ran either north-south or east-west forming a grid. Roads were at a distance of 1 km from each other in parallel.

After driving as stated in 1 above, Raman did not return to his starting point, but instead drove 4 km east and 1 km north. How far is from his starting point?

1. 5 km
2. 4 km
3. 1 km
4. 7 km

62 Sita and Ram both start from a point towards north and walk 10 km. Sita turns to her left and Ram turns to his right. Sita waits for some time and then walks another 5 km in the same direction in which she turned. On the other hand Ram walks only 3 km. Sita then turns towards her left and Ram turns towards his right. Both now walk 15 km forward. How far is Sita from Ram now?

1. 15 km
2. 10 km
3. 8 km
4. 12 km

63 Sonia travels 7 km eastwards and then turns right and travels 3 km and further turns right and travels 13 km. How far is Sonia now from the starting point?

1. 6 km
2. 7 km
3. 16 km
4. None of these

64 Kavita walks 3 km northward and then she turns left and moves 2 km. She again turns left and goes 3 km and turns to her right and starts walking straight. In which direction is she walking now?

1. West
2. South
3. North-west
4. None of these

65 **Directions:** Mr. and Mrs. Sharma have two children Asha and Shashi. Shashi married Radha, daughter of Mrs. Mahajan. Suresh, son of Mrs. Mahajan marries Rita, Sonu and Rocky are born to Suresh and Rita. Uma and Sudha are the daughters of Shashi and Radha.

What is the surname of Sonu?

1. Mahajan
2. Sharma
3. Shashi
4. None of these

66 **Directions:** Mr. and Mrs. Sharma have two children Asha and Shashi. Shashi married Radha, daughter of Mrs. Mahajan. Suresh, son of Mrs. Mahajan marries Rita, Sonu and Rocky are born to Suresh and Rita. Uma and Sudha are the daughters of Shashi and Radha.

How is Suresh related to Sudha?

1. Brother
2. Maternal uncle
3. Uncle
4. Cousin

67 **Directions:** Mr. and Mrs. Sharma have two children Asha and Shashi. Shashi married Radha, daughter of Mrs. Mahajan. Suresh, son of Mrs. Mahajan marries Rita, Sonu and Rocky are born to Suresh and Rita. Uma and Sudha are the daughters of Shashi and Radha.

What is Sudha's relation to Asha?

1. Sister
2. Niece
3. Aunt
4. Daughter

- 68 **Directions:** Mr. and Mrs. Sharma have two children Asha and Shashi. Shashi married Radha, daughter of Mrs. Mahajan. Suresh, son of Mrs. Mahajan marries Rita, Sonu and Rocky are born to Suresh and Rita. Uma and Sudha are the daughters of Shashi and Radha.

How is Sonu related to Mr. Mahajan?

1. Son-in-law
2. Grandson
3. Son
4. None of these

- 69 **Directions:** The following problem has a question and two statements which are labeled (a) and (b). Use the data given in (a) and (b) together with other available information (such as the numbers in a day, the definition of clockwise, mathematical facts, etc.) to decide whether the statements are sufficient to answer the question.

What is the value of  $x + y$ ?

- (a)  $x - y = 4$   
(b)  $3x + 3y = 4$

1. if you can get the answer from (a) alone but not from (b) alone;
2. if you can get the answer from (b) alone but not from (a) alone;
3. if you can get the answer from (a) and (b) together, although neither statement by itself suffices;
4. if statement (b) alone suffices are statement (b) alone suffices

- 70 **Directions:** The following problem has a question and two statements which are labeled (a) and (b). Use the data given in (a) and (b) together with other available information (such as the numbers in a day, the definition of clockwise, mathematical facts, etc.) to decide whether the statements are sufficient to answer the question.

Did the XYZ Corporation have higher sales in 1968 or in 1969?

- (a) In 1968 sales were twice the average (arithmetic mean) of the sales in 1968, 1969 and 1970  
(b) In 1970, the sales were three times those in 1969

1. if you can get the answer from (a) alone but not from (b) alone;
2. if you can get the answer from (b) alone but not from (a) alone;
3. if you can get the answer from (a) and (b) together, although neither statement by itself suffices;
4. if statement (b) alone suffices are statement (b) alone suffices

- 71 **Directions:** The following problem has a question and two statements which are labeled (a) and (b). Use the data given in (a) and (b) together with other available information (such as the numbers in a day, the definition of clockwise, mathematical facts, etc.) to decide whether the statements are sufficient to answer the question.

k is an integer. Is k divisible by 127?

- (a) k is divisible by 4
- (b) k is divisible by 3

1. if you can get the answer from (a) alone but not from (b) alone;
2. if you can get the answer from (b) alone but not from (a) alone;
3. if you can get the answer from (a) and (b) together, although neither statement by itself suffices;
4. if statement (b) alone suffices are statement (b) alone suffices

- 72 **Directions:** There is a blank space in the question in which only one of the four alternatives given under the question satisfies the same relationship as is found between the two terms on the other side of the sign (: :). Find the correct alternative to refill in the blank space:

MARAZIM : MIZORAM :: \_\_\_\_\_ : PASCAL

1. DDRSAM
2. LASCAP
3. PUANJB
4. LACSAP

- 73 **Directions:** There is a blank space in the question in which only one of the four alternatives given under the question satisfies the same relationship as is found between the two terms on the other side of the sign (: :). Find the correct alternative to refill in the blank space:

FOCUS : GPDBT :: LOTUS : \_\_\_\_\_.

1. MQUVI
2. MQRSV
3. MPUVT
4. SUTOL

- 74 **Directions:** There is a blank space in the question in which only one of the four alternatives given under the question satisfies the same relationship as is found between the two terms on the other side of the sign (: :). Find the correct alternative to refill in the blank space:

DELHI : CDKGH :: PATIALA : \_\_\_\_\_.

1. ALAITAP
2. QBUJBMB
3. QSIHZKZ
4. OZSHZKZ

- 75 **Directions:** There is a blank space in the question in which only one of the four alternatives given under the question satisfies the same relationship as is found between the two terms on the other side of the sign (: :). Find the correct alternative to refill in the blank space:

PHONE : RJQPG :: QUOTE : \_\_\_\_\_.

1. ERPVP
2. RVJG
3. RVPSF
4. SWQVG

76 **Directions:** There is a blank space in the question in which only one of the four alternatives given under the question satisfies the same relationship as is found between the two terms on the other side of the sign (: :). Find the correct alternative to refill in the blank space:

QJMPU : PILOT :: \_\_\_\_\_ : WOLLS

1. SLOOW
2. VNNNR
3. XPPMT
4. XPPNR

77 If ?PRIMARY? is coded as ?QSJNBSZ? how do you code ?FARMER??

1. HCTOGT
2. GBSNFS
3. GBTNFS
4. HDTOGT

78 How will you code ?TRACTER? now?

1. USBDUET
2. VSBDRFS
3. VTCEVFT
4. USBDUFS

79 If ?BAT? = 6, ?CRICKET? = 14 and ?BALL? = 8, then ?FIELDING? =?

1. 14
2. 12
3. 30
4. 16

80 ?CYCLE? = 8, ?BUS? = 4, and ?MOPED? = 8, then ?TRUCK?=?

1. 0
2. 4
3. 6
4. 8



81 ?DRIVER? = 12, ?PEDESTRIAN? = 20, ?ACCIDENT? = 16, then ?TAXI? =?

1. 4
2. 8
3. 16
4. 12

82 **Directions:** In the following question select the pair, which is different from the other three.

1. Chair : Furniture
2. Shirt : Garment
3. Necklace : Jewellery
4. Bogie : Engine

83 **Directions:** In the following question select the pair, which is different from the other three.

1. Crayon : Paper
2. Pencil : Lead
3. Pen : Ink
4. Brush : Paint

84 **Directions:** In the following question select the pair, which is different from the other three.

1. Finger : Thimble
2. Head : Cap
3. Waist : Tiara
4. Foot : Shoe

85 Cricket Fans, Uncles, Aunts

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

86 Cars, Cycles, Motorcycles

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

87 Detectives, Spies, Men with beard

1. A

2. B
3. C
4. D

88 Dancers, Players, Humans

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

89 Rabbits, Pets, Dogs

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

90 Criminals, Murderers, Thieves

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

91 Basements, Discos, Bars

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

92 **Directions:** In the question given below there are two statements labeled as Assertion (A) and the other labelled as Reason (R). Of these statements which one of the following is correct?

**Assertion (A):** Eggs of mosquitoes being very light in weight, float on water and water bodies.

**Reason (R):** Surface tension of water balances the weight of eggs.

1. Both A and R are true and R is the correct explanation of A.
2. Both A and R are true but R is not the correct explanation of A.
3. A is true but R is false
4. A is false but R is true

93 **Directions:** In the question given below there are two statements labeled as Assertion (A) and the other labelled as Reason (R). Of these statements which one of the following is correct?

**Assertion (A):** Transformer is useful for stepping up or stepping down voltages.

**Reason (R):** Transformer is a device used in DC circuits.

1. Both A and R are true and R is the correct explanation of A.
2. Both A and R are true but R is not the correct explanation of A.
3. A is true but R is false
4. A is false but R is true

- 94 **Directions:** In the question given below there are two statements labeled as Assertion (A) and the other labelled as Reason (R). Of these statements which one of the following is correct?

**Assertion (A):** A beaker filled with water at 4°C overflows if the temperature is increased/ decreased.

**Reason (R):** Density of water is maximum at 4°C.

1. Both A and R are true and R is the correct explanation of A.
2. Both A and R are true but R is not the correct explanation of A.
3. A is true but R is false
4. A is false but R is true

- 95 **Directions:** In the question given below there are two statements labeled as Assertion (A) and the other labelled as Reason (R). Of these statements which one of the following is correct?

**Assertion (A):** The emergence of economic globalism does not imply the decline of social ideology.

**Reason (R):** The ideology of socialism believes in universalism and globalism.

1. Both A and R are true and R is the correct explanation of A.
2. Both A and R are true but R is not the correct explanation of A.
3. A is true but R is false
4. A is false but R is true

- 96 **Directions:** In the question below are given two statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts. Read both the statements and give answer.

**Statements:**

I: Some artworks are paintings.

II: All paintings are master pieces.

**Conclusions:**

I: All masterpieces are paintings.

II: Some masterpieces are artworks.

1. if only conclusion I follows
2. if only conclusion II follows
3. if either I or II follows

4. if neither I nor II follows

97 **Directions:** In the question below are given two statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts. Read both the statements and give answer.

**Statements:**

I: Some men are genius.  
II: No brother is genius.

**Conclusions:**

I: some brothers are men.  
II: Some brothers are not men.

1. if only conclusion I follows
2. if only conclusion II follows
3. if either I or II follows
4. if neither I nor II follows

98 **Directions:** In the question below are given two statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts. Read both the statements and give answer.

**Statements:**

I: All pants are skirts.  
II: No shirt is a skirt.

**Conclusions:**

I: Some skirts are pants.  
II: All shirts are pants.

1. if only conclusion I follows
2. if only conclusion II follows
3. if either I or II follows
4. if neither I nor II follows

99 **Directions:** In the question below are given two statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts. Read both the statements and give answer.

**Statements:**

I: All planes are tyres.  
II: All tyres are engines.

**Conclusions:**

- I: No engine is a plane.  
II: No tyre is a plane.

1. if only conclusion I follows
2. if only conclusion II follows
3. if either I or II follows
4. if neither I nor II follows

100 **Directions:** In the question below are given two statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts. Read both the statements and give answer.

**Statements:**

- I: Some cartoons are funny.  
II: Some cartoons are silly.

**Conclusions:**

- I: All funny are cartoons.  
II: Some silly are cartoons.

1. if only conclusion I follows
2. if only conclusion II follows
3. if either I or II follows
4. if neither I nor II follows

101 **Directions:** The question consists of a word printed in capital letters, followed by four numbered words. Choose the numbered word that is most nearly same in meaning to the word in capital letters.

**FETTER**

1. Restore
2. Chain
3. Lavish
4. Squander

102 **Directions:** The question consists of a word printed in capital letters, followed by four numbered words. Choose the numbered word that is most nearly same in meaning to the word in capital letters.

**CAVIL**

1. to make fun of
2. to find fault
3. to insult
4. to whine

- 103 **Directions:** The question consists of a word printed in capital letters, followed by four numbered words. Choose the numbered word that is most nearly same in meaning to the word in capital letters.

**EXCULPATE**

1. to fashion a piece of statuary
2. to involve in crime
3. to cut out
4. to free from blame

- 104 **Directions:** The question consists of a word printed in capital letters, followed by four numbered words. Choose the numbered word that is most nearly same in meaning to the word in capital letters.

**RESCIND**

1. to admit error
2. to retreat from position
3. to repeal or abrogate
4. to apologize

- 105 **Directions:** The question consists of a word printed in capital letters, followed by four numbered words. Choose the numbered word that is most nearly opposite in meaning to the word in capital letters.

**AMBLE**

1. Insufficient
2. Incapable
3. Dream
4. Run

- 106 **Directions:** The question consists of a word printed in capital letters, followed by four numbered words. Choose the numbered word that is most nearly opposite in meaning to the word in capital letters.

**GALLOP**

1. Curse
2. Canter
3. Deny
4. Agree

- 107 **Directions:** The question consists of a word printed in capital letters, followed by four numbered words. Choose the numbered word that is most nearly opposite in meaning to the word in capital letters.

**FESTER**

1. Celebrate
2. Mourn
3. Graduate
4. Heal

108 **Directions:** The question consists of a word printed in capital letters, followed by four numbered words. Choose the numbered word that is most nearly opposite in meaning to the word in capital letters.

**DISTANCE**

1. Disapproval
2. Disaster
3. Harmony
4. Disparity

109 **Directions:** In the question a sentence or part of a sentence, followed by four numbered words or phrases is given. Choose the numbered word or phrase, which conveys the same meaning as the sentence in question.

Pantheism is

1. belief in one God
2. belief that God is in nature
3. skepticism about God
4. belief in many Gods

110 **Directions:** In the question a sentence or part of a sentence, followed by four numbered words or phrases is given. Choose the numbered word or phrase, which conveys the same meaning as the sentence in question.

Xenophobia is the fear of

1. Heights
2. Open spaces
3. Foreigners
4. Crowd

111 **Directions:** In the question a sentence or part of a sentence, followed by four numbered words or phrases is given. Choose the numbered word or phrase, which conveys the same meaning as the sentence in question.

A dabbler in the arts is called a (an)

1. martinet
2. dilettante
3. virago
4. iconoclast

- 112 **Directions:** In the question a sentence or part of a sentence, followed by four numbered words or phrases is given. Choose the numbered word or phrase, which conveys the same meaning as the sentence in question.

The scientific study of birds is called

1. entomology
2. ornithology
3. biology
4. zoology

- 113 **Directions:** In the question four pairs of numbered words follow a pair of words printed in capital letters. Choose the numbered pair of words that expresses same relationship as the given pair in capital letters.

**INTERLUDE : REST**

1. Vacation : Work
2. Retirement : Retreat
3. Sabbatical : Freedom
4. Intermission : Respite

- 114 **Directions:** In the question four pairs of numbered words follow a pair of words printed in capital letters. Choose the numbered pair of words that expresses same relationship as the given pair in capital letters.

**RACISM : APARTHEID**

1. Sexism : Chauvinism
2. Parochialism : Linguism
3. Nationalism : Identity
4. Communalism : Religion

- 115 **Directions:** In the question four pairs of numbered words follow a pair of words printed in capital letters. Choose the numbered pair of words that expresses same relationship as the given pair in capital letters.

**SECULAR : SPIRITUAL**

1. Amoral : Moral
2. Wet : Dank
3. Noisome : Hostile
4. Praise : Embarrassment

- 116 **Directions:** In the question four pairs of numbered words follow a pair of words printed in capital letters. Choose the numbered pair of words that expresses same relationship as the given pair in capital letters.

**SINISTER : HARM**



1. Malignant : Humor
2. Horrifying : Trepidation
3. Ominous : News
4. Benevolent : Bountiful

117 **Directions:** The question consists of sentences which has one blank each indicating that something has been omitted. Beneath each sentence are four alternative words or set of words labelled (1) through (4). Choose the word or set of words that when inserted in the sentence, best fits the meaning of the sentence as a whole.

He was apparently a minor military \_\_\_\_\_ who did not wear a uniform.

1. Officer
2. Sepoy
3. Corps
4. Attaché

118 **Directions:** The question consists of sentences which has one blank each indicating that something has been omitted. Beneath each sentence are four alternative words or set of words labelled (1) through (4). Choose the word or set of words that when inserted in the sentence, best fits the meaning of the sentence as a whole.

Ancient Greek art is frequently described as timeless, partly because of its mathematically precise \_\_\_\_\_ proportions.

1. even
2. desirable
3. inventive
4. classic

119 **Directions:** The question consists of sentences which has one blank each indicating that something has been omitted. Beneath each sentence are four alternative words or set of words labelled (1) through (4). Choose the word or set of words that when inserted in the sentence, best fits the meaning of the sentence as a whole.

One of the \_\_\_\_\_ of the contemporary global system is that despite all the technologies that shrink distances and help create millions of contacts between individuals of different societies, the forces of political fragmentation, separateness and local loyalties are all too strong and even increasing.

1. paradoxes
2. advantages
3. ironies
4. ambiguities

120 **Directions:** The question consists of sentences which has one blank each indicating that something has been omitted. Beneath each sentence are four

alternative words or set of words labelled (1) through (4). Choose the word or set of words that when inserted in the sentence, best fits the meaning of the sentence as a whole.

Parenting has undergone redefinition in recent years, yet child psychologists believe that the basic parent role is essentially \_\_\_\_\_.

1. unique
2. altered
3. unchanged
4. protection

- 121 **Directions:** Given below is a sentence that may or may not have errors. Mark (1) if there is only one error. Mark (2) if there are two errors. Mark (3) if there are three errors. Mark (4) if there are no errors.

Magma levels within the volcano had arisen, although the number of earthquakes had rapidly decreased.

1. (1)
2. (2)
3. (3)
4. (4)

- 122 **Directions:** Given below is a sentence that may or may not have errors. Mark (1) if there is only one error. Mark (2) if there are two errors. Mark (3) if there are three errors. Mark (4) if there are no errors.

China and the European union failed to conclude a trade agreement to allow Beijing from joining a World Trade Organization.

1. (1)
2. (2)
3. (3)
4. (4)

- 123 **Directions:** Given below is a sentence that may or may not have errors. Mark (1) if there is only one error. Mark (2) if there are two errors. Mark (3) if there are three errors. Mark (4) if there are no errors.

After the Pakistani's arrived, Ravi's family urged him to go to the Nepal border to scout the situation.

1. (1)
2. (2)
3. (3)
4. (4)

- 124 **Directions:** Given below is a sentence that may or may not have errors. Mark (1) if there is only one error. Mark (2) if there are two errors. Mark (3) if there are three errors. Mark (4) if there are no errors.

He is one of those few people who know everything in this matter.

1. (1)
2. (2)
3. (3)
4. (4)

125 **Directions:** The question consists of a group of words labelled (1) through (4). One word does not belong to the group. Choose one numbered word, which does not belong to that group.

1. dachshund
2. spaniel
3. canine
4. Labrador

126 **Directions:** The question consists of a group of words labelled (1) through (4). One word does not belong to the group. Choose one numbered word, which does not belong to that group.

1. rouge
2. glow
3. sparkle
4. blush

127 **Directions:** The question consists of a group of words labelled (1) through (4). One word does not belong to the group. Choose one numbered word, which does not belong to that group.

1. calumny
2. arrest
3. effigy
4. fight

128 **Directions:** The question consists of a group of words labelled (1) through (4). One word does not belong to the group. Choose one numbered word, which does not belong to that group.

1. abode
2. shelter
3. home
4. dwelling

129 **Directions:** The question consists of a group of words labelled (1) through (4). One word does not belong to the group. Choose one numbered word, which does not belong to that group.

1. docile

2. well-behaved
3. servile
4. tractable

130 **Directions:** The question consists of a group of words labelled (1) through (4). One word does not belong to the group. Choose one numbered word, which does not belong to that group.

1. scold
2. chastise
3. upbraid
4. warn

131 Which of the following is a true statement?

1. Job contingency is the simplest among the work contingencies to be considered
2. Job contingency relates to the job held
3. Job contingency has nothing to do with the time spent on work
4. Job contingency has nothing to do with the job held

132 According to the passage,

1. Personal contingency has nothing to do with the personal qualities of the employee
2. Personal contingency has no bearing on the value of the hidden skills of the employee
3. Personal qualities belong to the area of person contingency
4. None of the above

133 Non-work contingencies include

1. Over-time payment
2. Performance bonus
3. Health benefits
4. None of the above

134 The worth of individual employee is influenced by various factors, except

1. market value
2. social value
3. personal skills
4. None of the above

135 Which of the following is not a true statement?

1. Achieving internal equity is a difficult task for the employer

2. Achieving internal equity is not an easy task for the employer
3. Maintaining a fair distribution of pay is an easy task for the employer
4. None of the above

136 Which of the following is not an area included for discussion in the passage?

1. Locus of pay determination
2. Criteria for determining level of pay increases
3. Changing role of pay information sources
4. None of the above

137 The concept of pay hierarchy

1. is related to a relationship between internal pay structures and external labour market
2. is not based on relationship between internal pay structures and external labour market
3. is based exclusively on external labour market
4. None of the above

138 Which of the following does not form part of employment relationship?

1. Wage rate bargaining
2. Effort bargaining
3. Random checking
4. None of the above

139 According to the passage

1. Employees expect that their pay should be far higher than the market rate
2. Employees expect that their pay should exceed their contribution
3. Employer expects to pay a fair wage
4. Employer expects to pay much less than the market rate

140 Which of the following is not a true statement?

1. Performance contingency is the simplest among the work contingencies to be considered
2. Payment primarily should reflect the outcome of the work
3. Payment need not reflect the output
4. None of the above

141 The basis for pay differentials is provided by

1. pay structure
2. job content
3. pricing individual jobs
4. None of the above

142 Which of the following is a true statement?

1. The creation of grading creates the basis for pricing individual jobs
2. The pricing of individual jobs is done by reference to external labour market
3. Internal job ranking is done by external labour market
4. The pricing of individual jobs is not done by reference to external labour market

143 Which of the following is a true statement?

1. Reference to external labour market is not as important as other factors in pay theory
2. Reference to external labour market is one of most important factors in pay theory
3. All jobs have their own inherent value irrespective of the external realities
4. None of the above

144 Which of the following is not an approach to external equity?

1. Setting recruitment rates at market level
2. Setting the salary structure at a percentage of the market rate
3. Taking into account company profitability and employee productivity
4. None of the above

145 To develop a good remuneration strategy,

1. it is important to find a balance between the internal and external factors
2. finding a balance between the internal and external factors is not so important
3. only external factors need to be considered
4. only internal factors play a crucial role

146 According to the passage

1. Britain was the first country to use seniority for managing employees.
2. Many large British manufacturing companies used seniority for managing employees
3. USA was the first country to use seniority for managing employees.
4. Seniority is still more popular in Britain than in other countries

147 Which of the following is not a true statement?

1. Marketisation of employment relationship has increased in the USA in recent years
2. Marketisation of employment relationship has increased in Britain in recent years
3. Collective regulation of employment relationship has increased in recent years

4. Collective regulation of employment relationship has decreased in the USA in recent years

148 Which of the following statements cannot be derived from the passage?

1. Decentralised bargaining has increased in recent years
2. Centralised bargaining has increased in recent years
3. Bargaining has become fragmented in recent years
4. Individualised pay schemes have become more common in recent years

149 Which of the following is not related to the design of pay systems?

1. Linking employees pay with the perceived value of the individual
2. Linking employees pay with the perceived value of the occupation
3. Linking employees pay with the perceived value of particular skills
4. Linking employees pay with the perceived aspirations of the individual

150 According to the passage

1. The approaches identified to manage employment relationship have not been too different
2. The reality of labour market is not too different from the classical model of the labour market
3. In reality pay rates are fixed purely on the laws of supply and demand
4. In reality many factors over and above the laws of supply and demand are taken into account to fix the pay rates.

151 Which of the following is not a true statement?

1. In the structure-less market the only important factor to fix the wage is agreement between the employer and the employee
2. In the structured market the only important factor to fix the wage is agreement between the employer and the employee
3. In the structured market there are factors in the internal and external labour market which will play a role to fix wages
4. In the structure-less market there are factors in the internal and external labour market which will play a role to fix wages

152 Which of the following is not a typical factor of the internal labour market?

1. openness to the external labour market
2. methods of internal movement
3. rules for distribution of workers within the internal market
4. None of the above

153 Which of the following is a true statement?

1. incumbent employees who received specific training become valuable resources

2. incumbent employees who received specific training do not become valuable resources
3. additional pay should not be offered to incumbent employees who received specific training
4. employees who received training and offered additional pay will leave the organization

154 According to the passage

1. Internal, long term, flexible employment relationship is cheaper
2. External contract labour employment is cheaper
3. There is no transaction cost associated with employment of external labour
4. There is high transaction cost associated with employment of internal labour

155 Which of the following is not a true statement?

1. Incentive schemes is not a good method to reward performance in an internal labour market
2. Promotion through the grading system is not a good method to reward performance in an internal labour market
3. Promotion is a better method than incentive schemes to reward performance
4. None of the above

156 Which of the following is a true statement?

1. Service sector is now the dominant sector in very few developed economies.
2. Ford is a company in the service sector.
3. Service to customers is more important than product.
4. "Anyone can make a product" is not a valid maxim.

157 Product alone is not enough to compete, unless

1. The product is significantly different
2. Some aspect of the product is patentable
3. Both of the above
4. None of the above

158 Which of the following is not a true statement?

1. Quality is difficult to define for a service than a product
2. The service process is shaped by the customers actions
3. Customer expectations and the service experience can be managed precisely
4. It is easy to define / measure the quality of a service

159 Which of the following does not relate to outcomes from the service provided?

1. Credibility



2. Security
3. Reliability
4. Responsiveness

160 According to the author of the passage,

1. Porter encourages a top-down approach to long-term management of business
2. Porter believes that a specialist function can produce a strategic plan
3. Both of the above
4. None of the above

161 According to the author of the passage,

1. Modern business cannot be managed well with a top-down approach
2. Modern business is too complex to be grasped by a single individual
3. Both of the above
4. None of the above

162 Which of the following does not relate to the delivery process?

1. Courtesy
2. Communication
3. Competence
4. Access

163 Which of the following is not a true statement?

1. Employee satisfaction has a bearing on customer satisfaction
2. Customer satisfaction has a direct bearing on employee satisfaction
3. Developing internal quality leads to employee satisfaction
4. None of the above

164 According to the passage,

1. There is no debate on business ethics
2. The debate on business ethics has been controversial
3. Corporate reputation has been controversial
4. So far nobody has undertaken auditing of corporate citizen

165 According to the author of the passage

1. The primary role of a firm is to return profit to its shareholders
2. A firm is not expected to be a corporate citizen
3. Any suggestion that business should do more than comply with the law is flawed
4. Companies have to be good corporate citizens

166 Which of the following statements will not be accepted by free market economists?

1. Business needs to look beyond profit
2. Business should do no more than make profit
3. Business should do no more than follow the laws
4. Business has no business being a corporate citizen

167 According to the passage

1. Being different in a positive way is not the most important thing for good business
2. Being different in a positive way is most important for good business
3. Customers will not compare prices when they see products are different
4. None of the above

168 Which of the following is not a true statement?

1. There is nothing common in the literature on marketing and strategy
2. Niche markets are created to cater to small segments of customers
3. Majority of customers may dislike a product / service which appeal to others
4. Mass products appear relevant to majority of customers

169 The role of advertisement is

1. To differentiate in mass consumer product markets
2. To create a different image for the product
3. Both of the above
4. None of the above

170 According to the author of the passage

1. Differentiation is most important to success in service marketing
2. Differentiation is most important to success in service marketing
3. Advertising can create differentiation in the way service is perceived
4. A brand is different from others because they are objectively different

171 Which of the following can ensure healthy price competition?

1. Maintain a position of cost leadership
2. Maintain a non-price differentiation
3. Both of the above
4. None of the above

172 According to the passage

1. Maintaining leadership through cost is not a strategy
2. Maintaining cost leadership is easier said than done

3. Maintaining cost leadership is easier than others
4. None of the above

173 Which of the following is a true statement?

1. It is not difficult to achieve differentiation in a service
2. Services are more difficult to copy
3. It is easy to defend differentiation of a service through intellectual property rights
4. It is not easy to create differentiation in a service

174 Which of the following is not a true statement?

1. It is possible to achieve cost leadership in a service business
2. It is possible for most companies to achieve cost leadership in a service business
3. It is possible only for a minority to achieve cost leadership in a service business
4. It is not possible for most companies to achieve cost leadership in a service business

175 According to the author

1. There is no difference between strategy and strategising
2. There is no difference between planning and implementation
3. Analysis and implementation are two phases of planning process
4. Creation of options and choice of options mean the same thing