Question Paper -3

**(Total 40 questions)**

1) Ram is 50 years old and Sham is 80 years old. How many years ago was the ratio of their ages 2 : 5?

(a)10 years (b) 20 years (c) 30 years (d) 40 years

2) Inconceivable: Doubtful

a) Healthful: Beneficial

b) Credible: Plausible

c) Indecent: Lustful

d) Sickening: Repugnant

3) A boatman travels 13 km upstream in 39 minutes. If the speed of stream is 3 km/hr., then the speed of the boatman in still water is

a) 23 km/hr.

b) 24 km/hr.

c) 25 km/hr.

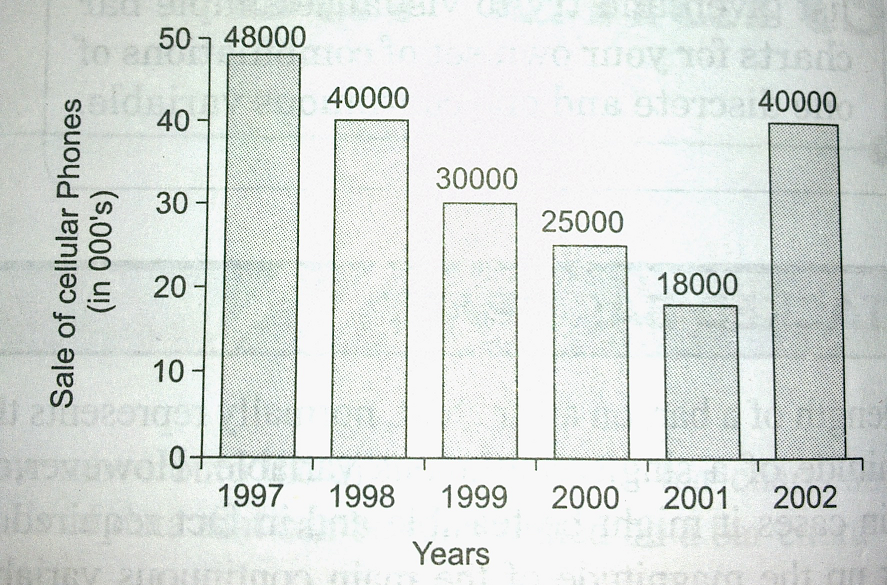
d) None

4) How many shops are there in the town?

1. There is one shop per 50 residents.
2. There are 30 localities each containing as many shops as the number of localities.

|  |  |
| --- | --- |
| [A.](javascript:%20void%200;) | I alone is sufficient while II alone is not sufficient. |
| [B.](javascript:%20void%200;) | II alone is sufficient while I alone is not sufficient. |
| [C.](javascript:%20void%200;) | Either I or II is sufficient. |
| [D.](javascript:%20void%200;) | Neither I nor II is sufficient. |
| [E.](javascript:%20void%200;) | Both I and II are sufficient. |

5) Study the following Bar Diagram and answer Q1A-Q1D.



1) The percentage increase in sales from 2001 to 2002 was  
A. 115% B. 128% C. 122% D. 118%

2) The sum of sales of cellular phones in the years 1999 and 2001 is equal to that in  
A. 1997 B. 1998 C. 2000 D. 2002

3) The two years between which the change of cellualar phones is minimum are:  
A. 1997 & 1998 B. 1999 & 2000 C. Both 1 & 2 D. 2001 & 2002

4) The difference on the sales of cellular phones for years 1997 and 1999 is  
A. 500 units B. 1000 units C. 5000 units D. 18000 units

6) Choose the correct answer that logically follow the main statement.

Unless I am physically fit , I cannot join the army.

a) I am physically unfit it means that I cannot join the army.

b)I can join the army implies I am physically unfit.

c)I am physically unfit so I can join the army.

d)I can join the army means I am physically fit.

e)Both a and d.

7) AB FG KL ??

a.MN b.NO c.PQ d.OP

Q8. Which of the following fractions is less than 1/3?

A. 22/62 B. 15/46 C. 2/3 D. 1

9) Arrange sentences in meaningful order

1. The increase in poverty is the leading cause of children being malnourished and underweight.
2. If this continues than there will not be a future generation to run the Indian economy.
3. Poverty is a growing concern in India especially when the nation has been estimated to have a third of the world’s poor.
4. Due to the baby boomers and poverty on the line Indians’ are on high demand for jobs.
5. Population bursts are causing poverty in the society, making it harder for families to gain access to their daily necessities.
6. 42154 b) 35124 c)52134 d)34521

10) 10% of the voters did not cast their vote in an election between two candidates.10% of the votes polled were found invalid. The successful candidate got 58% of the valid votes and won by a majority of 3240 votes. The number of voters enrolled on the voters' list was.

1. 26000
2. 125000
3. 25000
4. 32400

11) A box contains 2 white balls, 3 black balls and 4 red balls. In how many ways can 3 balls be drawn from the box, if at least one black ball is to be included in the draw?  
A. 32 B. 48 C. 96 D.64

12) Find the value of the expression 1 - 6 + 2 - 7 + 3 - 8 + ..........................upto 100 termsA. -240 B. -250 C. -260 D. None of these

13) A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, what is B's share?   
A. Rs. 500 B. Rs. 1500 C.Rs. 2000 D. None of these

14) In terms of its widespread presence, obesity is a major ill-health in the US. There is no universally accepted standard for obesity. It is defined generally as an excess of adipose tissue (adipose tissue: 脂肪组织), but a common rule of thumb classifies people who are more than 20% above their desirable weight as obese. By this estimation, 30% of men and 40% of women in the US are obese. The occurrence of obesity in future generations can be reduced.

Adipose tissue is a triumph of evolution. Fat yields 9 calories per gram, while protein, like carbohydrates, yields only 4 calories per gram. Fat also contains much less water than protein does. Therefore, fat is much more efficient for storing excess energy than is protein. Primitive humans, with uncertain food sources, had a great need for excess fat, and their bodies adapted accordingly. Modern humans, with a predictable food supply and a sedentary life-style, are burdened by this vestige of evolution. Although they need some adipose tissue to provide insulation and protect internal organs from injury, modern humans need much less than their primitive ancestors did.

In an attempt to shed excess adipose tissue, many Americans turn from one fad diet to another, and a billion-dollar diet industry has grown up to aid them in their efforts. Nevertheless, the five-year cure rate for obesity is very low. In fact, by comparison, cancer is more curable. The reasons for this are psychological as well as physiological.

From a physical standpoint, losing a pound or two a week for a few weeks is not difficult because most of the loss is in the form of (in the form of: 以...的形式) protein and water, and protein carries four times its weight in water. However, protein is also the only source of nitrogen in the body, and when the body loses too much nitrogen, it acts to correct the imbalance by excreting less nitrogen than it takes in. Hence beyond a certain point additional weight loss must come from adipose tissue, which, because of its compactness, takes longer to shed. The body’s tendency to return to nitrogen balance and to protect its energy reserves can be so strong that dieters may stop losing or even gain weight while still expending more calories than they ingest. As a result, they frequently suffer not only from hunger, weakness, and a decreased metabolic rate, but also from depression and inactivity, all of which lead them to abandon their diets. Probably because of numerous psychological factors as well as physiological factors such as increased lipid synthesis, they then tend to regain weight rapidly.

While vigorous attempts to reduce obesity in America should be aimed at all affected, the most successful efforts are likely to be those directed toward children. If the advertising and food industries stop trying to sell high-calorie, nutritionally deficient food to children, and if parents understand that the feeding patterns they impose on their children can determine the adolescent and adult eating habits those children will develop, the future generation may not be as fat as ours is.

1. The primary purpose of the passage is to

(A) Explain why prevention is the best defense against obesity

(B) Criticize the food and advertising industries for encouraging bad eating habits and thus contributing to the prevalence of obesity in the United States

(C) Recruit volunteers for a national crusade against obesity

(D) Discourage dependency on fad diets as a method for losing weight（A）

(E) Argue that obesity is a genetic disorder that is virtually impossible to cure

2. by the rule of thumb mentioned in the passage, which of the following would be considered obese?

I. A 25-pound toddler whose desirable weight is 20 pounds

II. A large-framed woman weighting 140 pounds whose desirable weight for her height is between 112 and 120 pounds

III. A 175-pound man who was 25 pounds over his desirable weight and then gained an additional 10 pounds

(A) II only

(B) III only

(C) I and III only

(D) II and III only（C）

(E) I, II, and III

3. Which of the following, if true, best helps to explain why a greater percentage of women than men in the United States are considered obese by the measure mentioned in the passage?

(A) The measure is the same for both men and women, but it is normal for women to carry a greater percentage of fat at any weight.

(B) The average man is heavier than the average woman; therefore, men generally need to gain more weight than women do before they are considered obese.

(C) There are more women in the United States than there are men.

(D) Because of the influence of the fashion and film industries, many American women consider themselves obese even though they are not.（E）

(E) Women burn off (burn off: 烧掉, 蒸发) fewer calories than men because their bodies contain a lower percentage of muscle, and muscle burns calories at a faster rate than fat.

4. According to the passage, modern humans do not need to store as much fat as primitive humans because

(A) Modern humans work fewer hours than their primitive forebears did

(B) The diet of modern humans is higher in protein than was the diet of primitive humans

(C) Modern humans eat more regularly than primitive humans did

(D) Primitive humans had to insulate their bodies from the cold whereas modern humans do not（C）

(E) The food consumed by modern humans has a higher nutritional value than that consumed by primitive humans

15) After the event of late 2000’s financial crisis, businessmen who had once been\_\_\_\_\_\_\_ became \_\_\_\_\_\_.

1. Poor…desperate
2. Rich...unhappy
3. Destitute…successful
4. Passionate...penurious
5. Wealthy…indigent

16) The compound interest on a certain sum for 2 years at 10% per annum is Rs. 630. The simple interest on the same sum for triple the time at half the rate percent per annum is:

1. Rs 600
2. Rs 700
3. Rs 800
4. Rs 900

17) In each of these questions, two statements are followed by two conclusions A and B. Assume the given statements to be true, even if they are at variance with commonly known facts. Choose the correct alternative from among A, B, C and D given below:

A. If only conclusion A follows.

B. If only conclusion B follows.

C. If both A and B follows.

D. If neither A and B follows.

Statements:

Evaporation causes cooling.

Coke is very cold.

Conclusions:

A. Some of the coke must have evaporated.

B. Coke offered in this restaurant is very cold.

18) Give synonym of Shallow

1. Artificial
2. Superficial
3. Foolish
4. Worthless

19) Give synonym of Smart

1. Dumb
2. Wide
3. Intelligent
4. Old

20) If the speed of a boat downstream in 12 kmph and speed upstream is 8 kmph, find the speed of the boat in still water

1. 2 kmph b. 4 kmph c. 8 kmph d. 10 kmph

21) Two number are in the ratio 6: 7. If 8 is subtracted from each, the new numbers are in the ratio 04 : 05. The smaller number is:

A. 27 B. 36

C. 42 D. 55

|  |  |
| --- | --- |
| 3. | 22) Give antonym of  GABBLE |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript:%20void%200;) | silent | [B.](javascript:%20void%200;) | jabber | | [C.](javascript:%20void%200;) | eat | [D.](javascript:%20void%200;) | thief | |

23) “Since wars begin in the minds of men”, so runs the historic UNESCO Preamble, “It is the minds of men that the defence of peace must be constructed.” Wars erupt out when the minds of men are inflamed, when the human mind is blinded and wounded, succumbs to frustration and self-negation. War is the transference of this self-negation into the other negation. He three Indo-Pak wars and the persisting will to terrorise have emanated from this savage instinct to other-negation that is the legacy of the partition carnage and its still bleeding and unhealed wound.

Truncated from its eastern wing in 1971, Pakistan ever since has suffered from a sense of total existential self-negation. Plus the scars left by the total two previously lost wars to India and Kargil fill the Army and the Pakistan psyche with a seething urge to revenge; that India has to be negated, destroyed-in a deep psychological sense, another Hiroshima in the subcontinent is imaginable and possible. Terrorism in Kashmir springs from such deep negating extensible grounds. Like the former Soviet Union, Pakistan came into being as a result of a grand delusion and massive perversion of reality- the so called two-nation theory. Like the former Soviet Union, it stands in danger of crumbling unle4ss it modifies its reality perception and comes to terms with its post-Bangladesh identity within the prevailing subcontinental equation. Failing this, Pakistan is bound to break up, nudging the region to a nuclear nightmare, including possible South Asian Hiroshimas.

With ‘hot pursuits’ and ‘surgical operations’ freely making rounds among the policy elite and the public at large, the national atmosphere looks ominously charged.”On the brink”, headlines The Week adding, “As men and machines are quickly positioned by India and Pakistan, the threat of war looms real”. O which Gen.Mushraff counters, “If any war is thrust on Pakistan, Pakistan’s armed forces and the 140 million people of Pakistan are fully prepared to face all consequences with all their might”. According to Indian Express, “Pakistan has deployed medium range ballistic missile batteries (MRBBs) along the Line of Control (LoC) near Jammu and Poonch sectors in the action that will further escalate the tension between two countries.” And India’s Defence Minister ups the ante, “We could take a nuclear strike, survive and then hit back, Pakistan would be finished”, Mr.Frenandes’s formulation is certainly a tactical super shot, even a strategical super hit inasmuch as this is the very logic of India’s ‘No-first-strike’ doctrine. The Defence Minister obviously has no idea of ethical, phenomenological implication of the abandoning chunks of the population of ransom for potential Hiroshimas and then ‘finishing’ the neighboring country of 140 million in what could be nothing short of an Armsgeddon. Forget these horrendous scenarios. But this does not repudiate the grain of truth foe which India’s civilization stood for and vindicated across the untold millennia of its history? Yet, Mr.Fernandes, the pacifist and Gandhian,is no warmonger. As Defence Minister he had to react at a level with the Pakistanis, with their proclivity to drop nuclear speak whenever that suited them, could have registered the message.

1. According to the passage, Pakistan is bound to disintegrate
2. and it will throw the subcontinent into a nuclear backlash.
3. if it refuses to accept its present identity.
4. if it does not stop fuelling terrorism in Kashmir.
5. I, II and III are correct
6. II and III are correct
7. I and II are correct
8. I and III are correct
9. It can be inferred from the passage that
10. Soviet Union crumbled as a result of the grand delusion of the two nation theory.
11. Soviet Union’s disintegration was due to her failure to accept the reality.
12. Soviet Union also came into being as a result of the two nation theory.
13. The ideological basis of creation of Soviet Union and Pakistan was the same.
14. According to the passage, the reason for terrorism in Kashmir is
    1. Pakistan’s blind faith in terrorism.
    2. Pakistan’s perception of two-nation theory.
    3. Pakistan’s sense of self-negation.
    4. Both (a) and (c).
15. According to the passage,all the following about the Defence Minister is not true
    1. He is not logical.
    2. He is not a Gandhian.
    3. He is a pacifist.
    4. He is not a warmonger,
16. “No-first-strike” doctrine suggests that
    1. India will never strike with a nuclear weapon
    2. India would not intimate a nuclear strike.
    3. India will efficiently deter a nuclear strike with its nuclear weapons
    4. Both b and c.

24) In the following questions choose the word which is the exact OPPOSITE of the given words.

|  |
| --- |
| COMMISSIONED |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript:%20void%200;) | Started | [B.](javascript:%20void%200;) | taste | | [C.](javascript:%20void%200;) | Pause | [D.](javascript:%20void%200;) | Reject | |

25) Rating of importance of certain factors to production are given on a scale of 0 to 100, country wise.

| Country | Maintenance of plant | Technology | After sales service | Training |
| --- | --- | --- | --- | --- |
| USA | 80 | 95 | 90 | 95 |
| UK | 80 | 90 | 90 | 90 |
| Germany | 90 | 90 | 90 | 90 |
| Japan | 95 | 80 | 80 | 95 |
| India | 60 | 40 | 70 | 80 |

These factors comprise the "Production Rating Factor(PRF)" of a country. The weights of these factors contribution to PRF are

| Factor | Weight |
| --- | --- |
| Plant Maintenance | 0.3 |
| Technology | 0.4 |
| After sales service | 0.2 |
| Training | 0.1 |

A. The PRF for India is

A. 60 B. 56 C. 72 D. 84

B. If the PRF for UK should be made equal to the PRF for USA, to how much should the training for plant maintenance increased?

A. 88.33 B. 88 C. 87.33 D. 89

C. PRF for which country is the highest?

A. USA B. UK C. Germany D. Japan

D. In the PRF for India which factor makes highest effective contribution?

A. Plant maintenance B. Technology

C. After Sales Service D. Training

E. If only plant maintenance and technology are used to calculate PRF and each factor has equal weight of 0.5, which country will have highest PRF?

A. USA B. UK C. Germany D. Japan

26) How many ways can 4 prizes be given away to 3 boys, if each boy is eligible for all the prizes?

A. 256 B. 12 C. 81 D. None of these

Answers

1) Ans: (c)

Soln: Suppose, the ratio was 2 : 5, x years ago

Then 50-x = 2

80-x 5

5(50-x) = 2(80-x)

3x = 90

x = 30

2) Answer: Option d

3) Answer: (a)

Explanation:

Speed of the boat upstream = (13\*60) / 39 = 20 km/hr.

Speed of the stream = 3 km/hr.

Let the speed of the boat in still water = x km/hr.

We have, x - 3 = 20

x = 20 + 3 = 23 km/hr.

4) Answer: Option B

Explanation:

From I, total number of shops in town cannot be calculated because the total number of residents in the town are not known.

From II, total number of shops in town

= (Number of localities in town) x (Number of shops in each locality)

= 30x30 = 900.

5) C. 122% , A. 1997, C. Both 1 & 2, D. 18000 units.

6) Ans : e

7) Solution: c.PQ

Series starts with AB, then skips 3 letters to obtain next pair of letters.

8) B. 15/46

9) b) 35124

10) Let the total number of voters be x then, votes polled = 90% of x.  
valid votes = 90% of (90% of x)  
hence , 58% of [90% of(90% of x)] - 42% of [90% of(90% of x)] = 3240  
16% of [90% of (90% of x)]= 3240  
solving above equation we get x = 25000

11) D.64

12) B. -250

13) C.Rs. 2000

14) Solution:

|  |  |  |  |
| --- | --- | --- | --- |
| 1. 1.A | 1. 2.C | 1. 3.E | 1. 4.C |

15) Wealthy…indigent

16) Ans : d

|  |
| --- |
|  |
| Let the sum be Rs. P. Then, |
|  |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | |  | | --- | |  | |  | P | |  |  |  |  |  | | --- | --- | --- | --- | --- | | [ | 1 + | 10 | ] | 2 | | 100 | | - P |  | = 630 |  |  | |
|  |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | |  | | --- | |  | | P |  | |  |  |  |  | | --- | --- | --- | --- | | { [ | 11 | ] | 2 | | 10 | | - 1 | } | = 630 |  |  | |
|  |
| |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | |  | | --- | |  | | P = | |  |  |  | | --- | --- | --- | |  | 630 x 100 |  | | 21 | | = 3000. |  |  | |
|  |
| |  |  |  |  | | --- | --- | --- | --- | |  | |  | | --- | |  |    Sum = Rs. 3000. |  | |
|  |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | So, S.I. = Rs. |  | 3000 x 5 x 6 |  | = Rs. 900 |  |  |  | | 100 |  |  |  | |

17) [Option B]

18) Ans. B

19) Ans. C

20) Soln :

Ans : d

Speed of boat in still water = = = 10 kmph

21) Answer: Option B

Explanation:

Let the numbers be 6x and 7x.

Then, 6x - 12 = 4

7x - 12 5

5(6x - 12) = 4(7x - 12)

x = 06.

The smaller number = (6 x 6) = 36.

22)  ANSWER: Option B

23) Answers.

1. (c)
2. (b)
3. (c)
4. (d)
5. (b)

24) Answer : option D

25) 1) B. 56

2) A. 88.33

3) C. Germany

4) A. Plant maintenance

5) C. Germany

26) c.81