DU JAT BMS BBA N BA Business Economics
02

Topic:- DU_J18_JAT02_Topic01

1) If the sequence of the alphabets is reversed, which of the following would be the 14th letter from your left? [Question ID = 53229]

1. N [Option ID = 92905]
2. None of these [Option ID = 92908]
3. O [Option ID = 92907]
4. L [Option ID = 92906]

Correct Answer :-

- None of these [Option ID = 92908]

2) In a class of 60 where boys are twice that of girls, Renu ranked 17th from the top. if there are 9 boys ahead of Renu, how many girls are after her in the rank? [Question ID = 53220]

1. 12 [Option ID = 92871]
2. 33 [Option ID = 92875]
3. 10 [Option ID = 92874]
4. 26 [Option ID = 92869]

Correct Answer :-

- 12 [Option ID = 92871]

3) Rina goes 10 km towards west, then turns left and goes 16km ahead. Then, she turns right and goes 10 km and then she turns right and goes 16 km. How far is she from the starting point now? [Question ID = 53215]

1. 12 km [Option ID = 92848]
2. 16 km [Option ID = 92846]
3. 14 km [Option ID = 92850]
4. 20 km [Option ID = 92852]

Correct Answer :-

- 20 km [Option ID = 92852]

4) Which among the following state of India is best known for Saffron Cultivation? [Question ID = 53198]

1. Sikkim [Option ID = 92781]
2. Meghalaya [Option ID = 92784]
3. Jammu & Kashmir [Option ID = 92783]
4. Assam [Option ID = 92782]

Correct Answer :-

- Jammu & Kashmir [Option ID = 92783]

5) Which among the following rivers originate in Tibet?
1. Sutlej River
2. Indus River
3. Ghaghara River [Question ID = 53200]

1. 2 & 3 [Option ID = 92790]
2. 1 & 2 [Option ID = 92789]
3. 1, 2 &3 [Option ID = 92792]
4. 1 & 3 [Option ID = 92791]

Correct Answer :-

- 1, 2 &3 [Option ID = 92792]

6) "Project Shakti" is the famous CSR initiative of which company? [Question ID = 53196]

1. ITC [Option ID = 92774]
2. Godrej [Option ID = 92776]
3. Coca Cola [Option ID = 92773]
4. HUL [Option ID = 92775]

Correct Answer :-

- HUL [Option ID = 92775]

7) 'Ace Against Odds' is an autobiography of which sports person?

[Question ID = 53193]

1. Abhinav Bindra [Option ID = 92763]
2. Mithali Raj [Option ID = 92764]
3. Sania Mirza [Option ID = 92762]
4. Sachin Tendulkar [Option ID = 92761]

Correct Answer :-

- Sania Mirza [Option ID = 92762]

8) Which committee has been constituted by the Union Government to continuously monitor the solutions to air pollution? [Question ID = 53201]

1. Sunita Narain committee [Option ID = 92795]
2. Bhure Lal committee [Option ID = 92794]
3. Harsh Vardhan committee [Option ID = 92796]
4. C.K Mishra committee [Option ID = 92793]

Correct Answer :-

- C.K Mishra committee [Option ID = 92793]

9) Which city hosted the 2nd edition of Nobel Prize Series-India 2018? [Question ID = 53203]

1. Panaji [Option ID = 92801]
2. Chandigarh [Option ID = 92802]
3. New Delhi [Option ID = 92803]
4. Kochi [Option ID = 92804]

Correct Answer :-

- Panaji [Option ID = 92801]

10) Which country is the global host nation for the 43rd edition of World Environment Day-2018 event? [Question ID = 53202]

1. South Korea [Option ID = 92799]
2. India [Option ID = 92800]
3. Norway [Option ID = 92798]
4. Belgium [Option ID = 92797]

Correct Answer :-

- India [Option ID = 92800]

11) Find out the missing number in the sequence below:
154, 160, 172, _____, 214 [Question ID = 53226]

1. 242 [Option ID = 92893]
2. 642 [Option ID = 92896]
3. 190 [Option ID = 92895]
4. 554 [Option ID = 92894]

Correct Answer :-

- 190 [Option ID = 92895]

12) In the question below two statements are followed by three conclusions numbered I,II and III. Taking the two statements given as true, read all the conclusions and select the conclusions that follow from the given statement.
Statements:
I. All bulbs are tables
II. Some bulbs are pots
Conclusions:
I. All pots are tables
II. No pot is a table
III. Some pots are tables [Question ID = 53212]

1. Only II [Option ID = 92839]
2. Only III [Option ID = 92838]

3. Only IV [Option ID = 92840]
4. Only I [Option ID = 92837]

Correct Answer :-

- Only III [Option ID = 92838]

13) *f (x)* is a continuous function that takes only rational values. If *f (0)* = 3, then *f (2)* equals

[Question ID = 53149]

1. 1 [Option ID = 92586]
2. 5 [Option ID = 92587]
3. 0 [Option ID = 92585]
4. None of these [Option ID = 92588]

Correct Answer :-

- None of these [Option ID = 92588]

14) Ozone layer is found in which of the following? [Question ID = 53197]

1. Stratosphere [Option ID = 92778]
2. Exosphere [Option ID = 92779]
3. Thermosphere [Option ID = 92780]
4. Troposphere [Option ID = 92777]

Correct Answer :-

- Stratosphere [Option ID = 92778]

15) Fill the blank with the most appropriate option.
Men are too often ___ astray by prejudice. [Question ID = 53180]

1. none of these [Option ID = 92712]
2. held [Option ID = 92709]
3. led [Option ID = 92710]
4. shown [Option ID = 92711]

Correct Answer :-

- led [Option ID = 92710]

16) The two tangents drawn at points x=3 and x= -3 on the curve y= $4x^3$ -16 are [Question ID = 53162]

1. Parallel [Option ID = 92638]
2. None of these [Option ID = 92640]
3. Perpendicular [Option ID = 92637]
4. Pass through the origin [Option ID = 92639]

Correct Answer :-

- Parallel [Option ID = 92638]

17) The frequency distribution of the runs scored by a cricket batsman in 70 innings is

Runs scored	Number of innings
10 – 30	15
30 – 50	10
50 – 60	15
60 – 100	30

In what percentage of the matches (to the closest integer) did the batsman score more than 43 runs? [Question ID = 53238]

1. 31 [Option ID = 92943]

2. 48 [Option ID = 92941]
3. 52 [Option ID = 92944]
4. 69 [Option ID = 92942]

Correct Answer :-

- 69 [Option ID = 92942]

18) In a certain code language "India is winner" is written as "ba ga ra" and "beautiful India" is written as "ba ka". Find the code for India [Question ID = 53219]

1. ga [Option ID = 92863]
2. ra [Option ID = 92865]
3. ba [Option ID = 92868]
4. ka [Option ID = 92867]

Correct Answer :-

- ba [Option ID = 92868]

19) In a certain language PILOT is written as LIPTO, then what will be the code for MASON? [Question ID = 53216]

1. None of these [Option ID = 92859]
2. SAMAON [Option ID = 92857]
3. MASNO [Option ID = 92855]
4. SAMNO [Option ID = 92853]

Correct Answer :-

- SAMNO [Option ID = 92853]

20) If the line $x+y-1=0$ touches the parabola $y^2=kx$, then the value of k is

[Question ID = 53153]

1. -4 [Option ID = 92603]
2. 4 [Option ID = 92604]
3. 2 [Option ID = 92602]
4. -2 [Option ID = 92601]

Correct Answer :-

- -4 [Option ID = 92603]

21) If two equal circles are such that the centre of one lies on the periphery of the other, the ratio of the length of the common chord to the radius of any of the circles is [Question ID = 53145]

1. 1 : √3 [Option ID = 92572]
2. √3 : 1 [Option ID = 92571]
3. √5 : 2 [Option ID = 92570]
4. √3 : 2 [Option ID = 92569]

Correct Answer :-

- √3 : 1 [Option ID = 92571]

22) In the following question, there is some relationship between the two terms to left of:: and the same relationship continues between the two terms to its right. Also, one term right of:: is missing. This term is given as one of the alternatives given below.Find out the missing term.

Ppk :kPP : : Llm : .....

[Question ID = 53223]

1. LmM [Option ID = 92880]
2. lMl [Option ID = 92884]
3. mLL [Option ID = 92882]
4. mlL [Option ID = 92878]

Correct Answer :-

- mLL [Option ID = 92882]

23) Which Article is described as the "Heart and Soul of the Constitution"? [Question ID = 53191]

1. Article 32 [Option ID = 92754]
2. Article 50 [Option ID = 92756]
3. Article 36 [Option ID = 92755]
4. Article 20 [Option ID = 92753]

Correct Answer :-

- Article 32 [Option ID = 92754]

24) If there are no dancers that aren't slim and no singers that aren't dancers, then which statements are always true? [Question ID = 53213]

1. There is not one slim person that isn't a dancer [Option ID = 92841]
2. None of these [Option ID = 92844]
3. Anybody slim is also a singer [Option ID = 92843]
4. All singers are slim [Option ID = 92842]

Correct Answer :-

- All singers are slim [Option ID = 92842]

25) Choose the pair that *best* represents a similar relationship to the one expressed in the original pair of words- WAITRESS : RESTAURANT

[Question ID = 53231]

1. actor : role [Option ID = 92914]
2. teacher : school [Option ID = 92916]
3. driver : truck [Option ID = 92915]
4. doctor : diagnosis [Option ID = 92913]

Correct Answer :-

- teacher : school [Option ID = 92916]

26) Choose the word that is spelt incorrectly.
(i) Infinity (ii) Foundling (iii) Aggresive (iv) Arguably

[Question ID = 53174]

1. (iii) [Option ID = 92687]
2. (ii) [Option ID = 92686]
3. (i) [Option ID = 92685]
4. (iv) [Option ID = 92688]

Correct Answer :-

- (iii) [Option ID = 92687]

27) Jnanpith Award is given for: [Question ID = 53205]

1. Preserving environment [Option ID = 92810]
2. Outstanding contribution for Indian music [Option ID = 92811]
3. Outstanding contribution towards literature [Option ID = 92809]
4. Contribution for classical dance [Option ID = 92812]

Correct Answer :-

- Outstanding contribution towards literature [Option ID = 92809]

28) In a ΔABC, AB = 3 cm, BC = 6 cm and CA = 5 cm. The bisector of angle A meets BC at D. The length of BD is [Question ID = 53146]

1. 2.25 cm [Option ID = 92573]
2. 2 cm [Option ID = 92574]
3. 2.5 cm [Option ID = 92575]
4. 3 cm [Option ID = 92576]

Correct Answer :-

- 2.25 cm [Option ID = 92573]

29) Complete the following sequence:
T, W, Z, C, ___, I [Question ID = 53227]

1. D [Option ID = 92897]

2. H [Option ID = 92900]
3. E [Option ID = 92899]
4. F [Option ID = 92898]

Correct Answer :-

- F [Option ID = 92898]

30) Complete the following sequence:
ABC, 6, EFG, 210, IJK, _____ [Question ID = 53228]

1. 1000 [Option ID = 92901]
2. 990 [Option ID = 92903]
3. 999 [Option ID = 92904]
4. 190 [Option ID = 92902]

Correct Answer :-

- 990 [Option ID = 92903]

31) On a shelf, 2 different books of Geology, 2 different books of Sociology and 5 different books of Economics are to be arranged so that the books of any subject are to be together. In how many ways can this be done? [Question ID = 53159]

1. 900 [Option ID = 92627]
2. 90 [Option ID = 92628]
3. 2880 [Option ID = 92626]
4. 3846 [Option ID = 92625]

Correct Answer :-

- 2880 [Option ID = 92626]

32) A cube has six sides each of a different colour. The red side is opposite black. The green side is opposite blue. The blue side is adjacent to white and the brown side is adjacent to blue. The red side is face down. The side opposite to brown is: [Question ID = 53224]

1. Red [Option ID = 92886]
2. Black [Option ID = 92890]
3. Green [Option ID = 92892]
4. White [Option ID = 92888]

Correct Answer :-

- White [Option ID = 92888]

33) The largest fresh water lake in India is: [Question ID = 53207]

1. Kollerru Lake [Option ID = 92819]
2. Chilka Lake [Option ID = 92818]
3. Veeranam Lake [Option ID = 92820]
4. Pulicat Lake [Option ID = 92817]

Correct Answer :-

34) Red data book contains data of which of the following? [Question ID = 53194]

1. All animal species [Option ID = 92766]
2. All plant species [Option ID = 92765]
3. All endangered species [Option ID = 92767]
4. All extinct species [Option ID = 92768]

Correct Answer :-

- All endangered species [Option ID = 92767]

35) Todarmal was the famous revenue minister of which famous Mughal Emperor? [Question ID = 53192]

1. Aurangzeb [Option ID = 92760]
2. Akbar [Option ID = 92759]
3. Shah Jahan [Option ID = 92757]
4. Bahadur Shah Jafar [Option ID = 92758]

Correct Answer :-

- Akbar [Option ID = 92759]

36)

For what value of x is the matrix $\begin{pmatrix} 2^2 & 2^3 & 2^x \\ 2^3 & 2^x & 2^{\frac{5x}{4}} \\ 2^x & 2^{\frac{5x}{4}} & 2^6 \end{pmatrix}$ singular?

[Question ID = 53247]

1. 6 [Option ID = 92979]
2. 2 [Option ID = 92977]
3. 8 [Option ID = 92980]
4. 4 [Option ID = 92978]

Correct Answer :-

- 4 [Option ID = 92978]

37)

Consider the following vectors

$\vec{a} = 2\hat{i} - \hat{j} + 2\hat{k}$

$\vec{b} = -2\hat{i} + \hat{j} - 2\hat{k}$

$\vec{c} = 2\hat{i} + \hat{j} + 2\hat{k}$

$\vec{d} = 4\hat{i} + 2\hat{j} + 4\hat{k}$

Which of the following statements are true?

(i) $\vec{a}$ and $\vec{b}$ has the same magnitude

(ii) $\vec{a}$ and $\vec{b}$ has the same direction

(iii) $\vec{c}$ and $\vec{d}$ has the different magnitudes

(iv) $\vec{c}$ and $\vec{d}$ has the different direction

[Question ID = 53246]

1. (i) and (iii) [Option ID = 92974]
2. (i) and (ii) [Option ID = 92973]
3. (i) and (iv) [Option ID = 92976]
4. (ii) and (iv) [Option ID = 92975]

Correct Answer :-

- (i) and (iii) [Option ID = 92974]

38)

The value of $\int_0^8 |x-5| dx$ is

[Question ID = 53143]

1. 15 [Option ID = 92562]
2. 12 [Option ID = 92561]
3. 21 [Option ID = 92564]
4. 17 [Option ID = 92563]

Correct Answer :-

- 17 [Option ID = 92563]

39)

The function $f(x) = \begin{cases} (x-5)^2 & , \quad x \le 3 \\ x+1 & , \quad x > 3 \end{cases}$ defined for all real values has

[Question ID = 53239]

1. does not possess a minimum point [Option ID = 92948]
2. a maximum point at x =0 [Option ID = 92945]
3. a minimum point at x = 5 [Option ID = 92947]
4. a minimum point at x = 3 [Option ID = 92946]

Correct Answer :-

- a minimum point at x = 3 [Option ID = 92946]

40) The value of: $\frac{1}{1+\sqrt{2}} + \frac{1}{\sqrt{2}+\sqrt{3}} + \frac{1}{\sqrt{3}+\sqrt{4}} + \ldots\ldots + \frac{1}{\sqrt{15}+\sqrt{16}}$

[Question ID = 53244]

1. 0 [Option ID = 92965]
2. 1 [Option ID = 92968]
3. 3 [Option ID = 92966]
4. – 3 [Option ID = 92967]

Correct Answer :-

- 3 [Option ID = 92966]

41) If $z = x + \cfrac{1}{x+\cfrac{1}{x+\cfrac{1}{x+\cfrac{1}{\ldots\ldots}}}}$ then $\frac{dz}{dx}$ equals

[Question ID = 53245]

1. z/x [Option ID = 92971]
2. z/2z [Option ID = 92969]
3. $z/x-2z$ [Option ID = 92970]
4. z/z^2+1 [Option ID = 92972]

Correct Answer :-

42) The coordinates of the tip of the position vector which is equivalent to $\overrightarrow{AB}$, where the coordinates of A & B are $(3, 1)$ and $(5, 0)$ respectively is

[Question ID = 53240]

1. (2, - 1) [Option ID = 92949]
2. (2, 1) [Option ID = 92951]
3. (1, - 2) [Option ID = 92950]
4. (1, 2) [Option ID = 92952]

Correct Answer :-

- (2, - 1) [Option ID = 92949]

43) The value of $\cos\left\{sin^{-1}\left(-\frac{5}{13}\right)\right\}$ is

[Question ID = 53241]

1. None of these [Option ID = 92956]
2. 5/13 [Option ID = 92954]
3. 8/13 [Option ID = 92955]
4. 12/13 [Option ID = 92953]

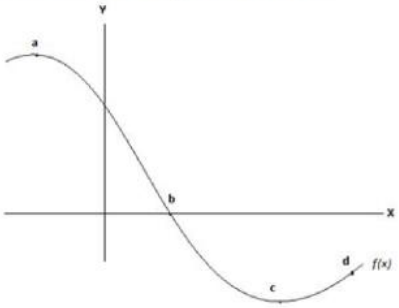
Correct Answer :-

- 12/13 [Option ID = 92953]

44)

For the function $f(x)$ that is drawn in the figure, which of the following statements is true?

(i) $f'(a) = 0$
(ii) $f'(b) < 0$
(iii) $f''(c) > 0$
(iv) $f(d) > 0$



[Question ID = 53242]

1. (i) and (iii) [Option ID = 92958]
2. (i) and (ii) [Option ID = 92957]
3. (ii) and (iii) [Option ID = 92959]
4. (ii) and (iii) [Option ID = 92960]

Correct Answer :-

- (ii) and (iii) [Option ID = 92960]

45) What positive value of x makes the pair of determinants $\begin{vmatrix} 2x & 3 \\ 5 & x \end{vmatrix}$ and $\begin{vmatrix} 16 & 3 \\ 5 & 2 \end{vmatrix}$ equal?

[Question ID = 53243]

1. – 4 [Option ID = 92964]
2. – 5 [Option ID = 92961]
3. 5 [Option ID = 92962]
4. 4 [Option ID = 92963]

Correct Answer :-

- 4 [Option ID = 92963]

46) The projection of the vector $\hat{i} - \hat{j}$ on the vector $\hat{i} + \hat{j}$ is

[Question ID = 53144]

1. 0 [Option ID = 92565]
2. None of these [Option ID = 92568]
3. 1 [Option ID = 92566]
4. $1/\sqrt{2}$ [Option ID = 92567]

Correct Answer :-

- 0 [Option ID = 92565]

47) Who among the following player has scored the highest number of goals in Football World Cup? [Question ID = 53188]

1. Miroslave Klose [Option ID = 92743]
2. Jurgen Klinsmann [Option ID = 92741]
3. Pele [Option ID = 92744]
4. Maradona [Option ID = 92742]

Correct Answer :-

- Miroslave Klose [Option ID = 92743]

48) Which railway station has become India's first digital railway station? [Question ID = 53189]

1. Ootacamund [Option ID = 92745]
2. Kacheguda [Option ID = 92746]
3. Medak [Option ID = 92748]
4. Doddabetta [Option ID = 92747]

Correct Answer :-

- Kacheguda [Option ID = 92746]

49) Find the rate of change of the area of a circular disc with respect to its circumference when its radius is 9 cm. [Question ID = 53165]

1. None of these [Option ID = 92652]
2. 9 [Option ID = 92650]
3. 3 [Option ID = 92651]
4. 81 [Option ID = 92649]

Correct Answer :-

- 9 [Option ID = 92650]

50) A cotton wick dipped in pure honey when ignited with a matchstick will _____? [Question ID = 53199]

1. Burns with too much smoke [Option ID = 92788]
2. Burn Consistently [Option ID = 92785]
3. Does not burn at all [Option ID = 92787]
4. Burn with crackling sound [Option ID = 92786]

Correct Answer :-

- Burn Consistently [Option ID = 92785]

51) Three unbiased coins are tossed. What is the probability of getting at most two heads? [Question ID = 53148]

1. 7/8 [Option ID = 92583]
2. 3/8 [Option ID = 92584]
3. 1/4 [Option ID = 92582]
4. 3/4 [Option ID = 92581]

Correct Answer :-

- 7/8 [Option ID = 92583]

52) If $1^2+ 2^2+ 3^2 + ... + 10^2 =385$, then $3^2 + 6^2 + 9^2 +.... + 30^2$ is equal to

[Question ID = 53141]

1. 3456 [Option ID = 92555]
2. 3654 [Option ID = 92556]
3. 3564 [Option ID = 92553]
4. 3465 [Option ID = 92554]

Correct Answer :-

- 3465 [Option ID = 92554]

53) Choose the option that best explains the phrase: 'A chip off the old block' [Question ID = 53185]

1. resemble your relatives [Option ID = 92731]
2. old friend [Option ID = 92730]
3. piece of wood [Option ID = 92729]
4. good bargain [Option ID = 92732]

Correct Answer :-

- resemble your relatives [Option ID = 92731]

54) Choose the option that best explains the phrase: 'To get cold feet' [Question ID = 53173]

1. be discourteous [Option ID = 92683]
2. feel cold [Option ID = 92681]
3. fall sick [Option ID = 92684]
4. be afraid [Option ID = 92682]

Correct Answer :-

- be afraid [Option ID = 92682]

55) Choose the most suitable word for the phrase: 'To send an unwanted person out of the country' [Question ID = 53182]

1. Ostracize [Option ID = 92718]
2. Exclude [Option ID = 92717]

3. Expatriate [Option ID = 92720]
4. Deport [Option ID = 92719]

Correct Answer :-

- Deport [Option ID = 92719]

56) Choose the most suitable word for the phrase: 'That which is handed down from the past' [Question ID = 53181]

1. Legacy [Option ID = 92714]
2. Illegal [Option ID = 92715]
3. Imminent [Option ID = 92716]
4. Legal [Option ID = 92713]

Correct Answer :-

- Legacy [Option ID = 92714]

57) Choose the most suitable word for the phrase: 'To mediate in a dispute' [Question ID = 53183]

1. Interrupt [Option ID = 92723]
2. Intercede [Option ID = 92724]
3. Interact [Option ID = 92722]
4. Interfere [Option ID = 92721]

Correct Answer :-

- Intercede [Option ID = 92724]

58) Choose the correct spelling: [Question ID = 53184]

1. Interim [Option ID = 92726]
2. Internim [Option ID = 92727]
3. Intrim [Option ID = 92725]
4. Interum [Option ID = 92728]

Correct Answer :-

- Interim [Option ID = 92726]

59) Choose the correct meaning of the word: COGNIZANT [Question ID = 53167]

1. Vicious [Option ID = 92660]
2. Aware [Option ID = 92658]
3. Having computer skills [Option ID = 92657]
4. Compute [Option ID = 92659]

Correct Answer :-

- Aware [Option ID = 92658]

60) Choose the correct meaning of the word: FASTIDIOUS [Question ID = 53166]

1. Finicky [Option ID = 92655]
2. Boastful [Option ID = 92656]
3. Humorous [Option ID = 92654]
4. Strong [Option ID = 92653]

Correct Answer :-

- Finicky [Option ID = 92655]

61) Choose the correct meaning of the word: STRIDENT [Question ID = 53169]

1. Religious [Option ID = 92666]
2. Species of rodent [Option ID = 92665]
3. Loud [Option ID = 92668]
4. Small trident [Option ID = 92667]

Correct Answer :-

- Loud [Option ID = 92668]

62) Choose the correct meaning of the word: VERVE [Question ID = 53168]

1. Nervousness [Option ID = 92662]
2. Speak fast [Option ID = 92663]

3. Vigour [Option ID = 92661]
4. Drive fast [Option ID = 92664]

Correct Answer :-

- Vigour [Option ID = 92661]

63) Choose the correct meaning of the idiom: 'black and blue' [Question ID = 53171]

1. to keep things simple [Option ID = 92673]
2. use two colours only [Option ID = 92675]
3. in black and white [Option ID = 92674]
4. severely [Option ID = 92676]

Correct Answer :-

- severely [Option ID = 92676]

64) Choose the correct meaning of the idiom: 'all and sundry' [Question ID = 53172]

1. no one [Option ID = 92677]
2. choose only the dry ones [Option ID = 92680]
3. everyone [Option ID = 92679]
4. a contradiction [Option ID = 92678]

Correct Answer :-

- everyone [Option ID = 92679]

65) Choose the correct meaning of the idiom: 'through thick and thin' [Question ID = 53170]

1. under all circumstances [Option ID = 92672]
2. create an alternating pattern [Option ID = 92671]
3. violent mood fluctuations [Option ID = 92669]
4. make amends [Option ID = 92670]

Correct Answer :-

- under all circumstances [Option ID = 92672]

66) Choose the word that is spelt incorrectly.
(i) Vacationing
(ii) Reimburce
(iii) Tattletale
(iv) Contiguous [Question ID = 53175]

1. (ii) [Option ID = 92690]
2. (i) [Option ID = 92689]
3. (iii) [Option ID = 92691]
4. (iv) [Option ID = 92692]

Correct Answer :-

- (ii) [Option ID = 92690]

67) Kim Jong-Un is: [Question ID = 53210]

1. Prime minister of China [Option ID = 92830]
2. Ruler of an American Book Publishing Company [Option ID = 92832]
3. President of South Korea [Option ID = 92829]
4. President of North Korea [Option ID = 92831]

Correct Answer :-

- President of North Korea [Option ID = 92831]

68) ABCD is a rectangle where the ratio of the lengths AB and BC is 3:2. If P is the midpoint of AB then the value of sin of angle CPB is [Question ID = 53147]

1. None of these [Option ID = 92580]
2. 2/5 [Option ID = 92578]
3. 3/5 [Option ID = 92577]
4. 4/5 [Option ID = 92579]

Correct Answer :-

- 4/5 [Option ID = 92579]

69) Which of the following pair/pairs is/are INCORRECT?
I. Golden revolution - Fruits production
II. Blue revolution - Increasing production of fertilizers
III. Yellow revolution - For the production of eggs
IV. Green revolution – For agriculture production [Question ID = 53195]

1. Only II and IV [Option ID = 92770]
2. Only II, III [Option ID = 92772]
3. Only I and II [Option ID = 92769]
4. I, II and III [Option ID = 92771]

Correct Answer :-

- Only II, III [Option ID = 92772]

70) Which of the following disease is not caused by Virus: [Question ID = 53208]

1. Chicken pox [Option ID = 92821]
2. Cholera [Option ID = 92823]
3. Dengue [Option ID = 92822]
4. Polio [Option ID = 92824]

Correct Answer :-

- Cholera [Option ID = 92823]

71) A is twice as fast a workman as B and together they finish a piece of work in 18 days. In how many days will B alone finish the work? [Question ID = 53150]

1. 54 [Option ID = 92590]
2. 68 [Option ID = 92592]
3. 56 [Option ID = 92591]
4. 27 [Option ID = 92589]

Correct Answer :-

- 54 [Option ID = 92590]

72) Nipah is a: [Question ID = 53209]

1. Famous tourist spot in Thailand. [Option ID = 92827]
2. Nuclear missile. [Option ID = 92825]
3. Deadly virus [Option ID = 92826]
4. Nuclear proliferation treaty [Option ID = 92828]

Correct Answer :-

- Deadly virus [Option ID = 92826]

73) Who was the president of India's constituent assembly? [Question ID = 53204]

1. Dr. B.R. Ambedkar [Option ID = 92807]
2. T. Krishnamachari [Option ID = 92808]
3. Hukam Singh [Option ID = 92806]
4. Dr. Rajendra Prasad [Option ID = 92805]

Correct Answer :-

- Dr. Rajendra Prasad [Option ID = 92805]

74) The oldest mountain range in India is [Question ID = 53190]

1. Vindhyas [Option ID = 92750]
2. Satpuras [Option ID = 92751]
3. Aravalis [Option ID = 92749]
4. Nilgiri hill [Option ID = 92752]

Correct Answer :-

- Aravalis [Option ID = 92749]

75) Select the most suitable antonym of the word: MALIGN [Question ID = 53176]

1. Watery [Option ID = 92696]
2. Align [Option ID = 92693]

3. Non-aligned [Option ID = 92694]
4. Benign [Option ID = 92695]

Correct Answer :-

- Benign [Option ID = 92695]

76) Select the most suitable antonym of the word: CIRCUITOUS [Question ID = 53178]

1. Electrifying [Option ID = 92702]
2. Circular [Option ID = 92701]
3. Neutral [Option ID = 92703]
4. Direct [Option ID = 92704]

Correct Answer :-

- Direct [Option ID = 92704]

77) Select the most suitable antonym of the word: EXALT [Question ID = 53177]

1. Urbane [Option ID = 92699]
2. Insult [Option ID = 92698]
3. Rustic [Option ID = 92700]
4. Non-existent [Option ID = 92697]

Correct Answer :-

- Insult [Option ID = 92698]

78) Select the most suitable antonym of the word: BEFUDDLE [Question ID = 53179]

1. Clarify [Option ID = 92708]
2. Vocalist [Option ID = 92706]
3. Benevolent [Option ID = 92707]
4. Mystify [Option ID = 92705]

Correct Answer :-

- Clarify [Option ID = 92708]

79) The angle of elevation of the sun, when the length of the shadow of a tree 3 times the height of the tree, is [Question ID = 53154]

1. 60° [Option ID = 92607]
2. 75° [Option ID = 92608]
3. 30° [Option ID = 92605]
4. 45° [Option ID = 92606]

Correct Answer :-

80) According to the Quantity Theory of Money, the quantity of money determines the: [Question ID = 53187]

1. Level of employment [Option ID = 92740]
2. Level of real output [Option ID = 92738]
3. Price level [Option ID = 92739]
4. Interest rate [Option ID = 92737]

Correct Answer :-

- Price level [Option ID = 92739]

81) The slope of the normal to the curve $y = 2x^2 + 3 \sin x$ at $x=0$ is

[Question ID = 53142]

1. 2/3 [Option ID = 92559]
2. $-2/3$ [Option ID = 92560]
3. $-1/3$ [Option ID = 92558]
4. 1/3 [Option ID = 92557]

Correct Answer :-

- $-1/3$ [Option ID = 92558]

82) Who is known as father of Indian missile technology? [Question ID = 53206]

1. Dr. A.P.J. Kalam [Option ID = 92814]
2. Dr. U.R. Rao [Option ID = 92813]
3. Dr. HomiBhabha [Option ID = 92815]
4. Dr. Chindambaram [Option ID = 92816]

Correct Answer :-

- Dr. A.P.J. Kalam [Option ID = 92814]

83) Nageena is taller than Pushpa but not as tall as Manish. Rama is taller than Namita but not as tall as Pushpa. Who among them is the tallest?

[Question ID = 53211]

1. Manish [Option ID = 92833]
2. Namita [Option ID = 92835]
3. Pushpa [Option ID = 92834]
4. Nageena [Option ID = 92836]

Correct Answer :-

- Manish [Option ID = 92833]

84) The first stock exchange in India was established in: [Question ID = 53186]

1. 1987 [Option ID = 92736]
2. 1875 [Option ID = 92734]
3. 1887 [Option ID = 92735]
4. 1857 [Option ID = 92733]

Correct Answer :-

- 1875 [Option ID = 92734]

85) The first pair of letters follows some paired relationship, using a similar analogy to that of the first pair, find the missing letters in the second pair -
JHD: KLIJEF:: PNR: [Question ID = 53230]

1. QRPOST [Option ID = 92909]
2. QROPST [Option ID = 92910]
3. STQRPO [Option ID = 92912]
4. QORPTS [Option ID = 92911]

Correct Answer :-

- QROPST [Option ID = 92910]

Topic:- DU_J18_JAT02_Topic02

1) Questions are based on the following:

The victory of the small Greek democracy of Athens over the mighty Persian Empire in 490 B.C. is one of the most famous events in history. Darius, king of the Persian Empire, was furious because Athens had interceded for the other Greek city-states in revolt against Persian domination. In anger the king sent an enormous army to defeat Athens. He thought it would take drastic steps to pacify the rebellious part of the empire.

Persia was ruled by one man. In Athens, however, all citizens helped to rule. Ennobled by this participation, Athenians were prepared to die for their city-state. Perhaps this was the secret of the remarkable victory at Marathon, which freed them from Persian rule. On their way to Marathon, the Persians tried to fool some Greek city-states by claiming to have come in peace. The frightened citizens of Delos refused to believe this. Not wanting to abet the conquest of Greece, they fled from their city and did not return until the Persians had left. They were wise, for the Persians next conquered the city of Eritrea and captured its people.

Tiny Athens stood alone against Persia. The Athenian people went to their sanctuaries. There they prayed for deliverance. They asked their gods to expedite their victory. The Athenians refurbished their weapons and moved to the plain of Marathon, where their little band would meet the Persians. At the last moment, soldiers from Plataea reinforced the Athenian troops.

The Athenian army attacked, and Greek citizens fought bravely. The power of the mighty Persians was offset by the love that the Athenians had for their city. Athenians defeated the Persians in both archery and hand combat. Greek soldiers seized Persian ships and

burned them, and the Persians fled in terror. Herodotus, a famous historian, reports that 6,400 Persians died, compared to only 192 Athenians.

Their participation _____ to the Athenians.

[Question ID = 53252]

1. gave honor [Option ID = 92998]
2. gave fear [Option ID = 93000]
3. gave strength [Option ID = 92999]
4. gave comfort [Option ID = 92997]

Correct Answer :-

- gave honor [Option ID = 92998]

2) Questions are based on the following:

The victory of the small Greek democracy of Athens over the mighty Persian Empire in 490 B.C. is one of the most famous events in history. Darius, king of the Persian Empire, was furious because Athens had interceded for the other Greek city-states in revolt against Persian domination. In anger the king sent an enormous army to defeat Athens. He thought it would take drastic steps to pacify the rebellious part of the empire.

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The Athenian army attacked, and Greek citizens fought bravely. The power of the mighty Persians was offset by the love that the Athenians had for their city. Athenians defeated the Persians in both archery and hand combat. Greek soldiers seized Persian ships and burned them, and the Persians fled in terror. Herodotus, a famous historian, reports that 6,400 Persians died, compared to only 192 Athenians.

The Athenians were _____ by some soldiers who arrived from Plataea.

[Question ID = 53254]

1. welcomed [Option ID = 93005]
2. strengthened [Option ID = 93006]
3. held [Option ID = 93007]
4. captured [Option ID = 93008]

Correct Answer :-

- strengthened [Option ID = 93006]

3) Questions are based on the following:

The victory of the small Greek democracy of Athens over the mighty Persian Empire in 490 B.C. is one of the most famous events in history. Darius, king of the Persian Empire, was furious because Athens had interceded for the other Greek city-states in revolt against Persian domination. In anger the king sent an enormous army to defeat Athens. He thought it would take drastic steps to pacify the rebellious part of the empire.

Persia was ruled by one man. In Athens, however, all citizens helped to rule. Ennobled by this participation, Athenians were prepared to die for their city-state. Perhaps this was the secret of the remarkable victory at Marathon, which freed them from Persian rule. On their way to Marathon, the Persians tried to fool some Greek city-states by claiming to have come in peace. The frightened citizens of Delos refused to believe this. Not wanting to abet the conquest of Greece, they fled from their city and did not return until the Persians had left. They were wise, for the Persians next conquered the city of Eritrea and captured its people.

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their gods to expedite their victory. The Athenians refurbished their weapons and moved to the plain of Marathon, where their little band would meet the Persians. At the last moment, soldiers from Plataea reinforced the Athenian troops.

The Athenian army attacked, and Greek citizens fought bravely. The power of the mighty Persians was offset by the love that the Athenians had for their city. Athenians defeated the Persians in both archery and hand combat. Greek soldiers seized Persian ships and burned them, and the Persians fled in terror. Herodotus, a famous historian, reports that 6,400 Persians died, compared to only 192 Athenians.

The people of Delos did not want to _____ the conquest of Greece.

[Question ID = 53253]

1. think about [Option ID = 93003]
2. end [Option ID = 93001]
3. encourage [Option ID = 93002]
4. daydream about [Option ID = 93004]

Correct Answer :-

- encourage [Option ID = 93002]

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4) Questions are based on the following:

The victory of the small Greek democracy of Athens over the mighty Persian Empire in 490 B.C. is one of the most famous events in history. Darius, king of the Persian Empire, was furious because Athens had interceded for the other Greek city-states in revolt against Persian domination. In anger the king sent an enormous army to defeat Athens. He thought it would take drastic steps to pacify the rebellious part of the empire.

Persia was ruled by one man. In Athens, however, all citizens helped to rule. Ennobled by this participation, Athenians were prepared to die for their city-state. Perhaps this was the secret of the remarkable victory at Marathon, which freed them from Persian rule. On their way to Marathon, the Persians tried to fool some Greek city-states by claiming to have come in peace. The frightened citizens of Delos refused to believe this. Not wanting to abet the conquest of Greece, they fled from their city and did not return until the Persians had left. They were wise, for the Persians next conquered the city of Eritrea and captured its people.

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The Athenian army attacked, and Greek citizens fought bravely. The power of the mighty Persians was offset by the love that the Athenians had for their city. Athenians defeated the Persians in both archery and hand combat. Greek soldiers seized Persian ships and burned them, and the Persians fled in terror. Herodotus, a famous historian, reports that 6,400 Persians died, compared to only 192 Athenians.

Athens had _____ the other Greek city-states against the Persians.

[Question ID = 53250]

1. intervened on behalf of [Option ID = 92990]
2. given orders for all to fight [Option ID = 92992]
3. refused help to [Option ID = 92989]
4. wanted to fight [Option ID = 92991]

Correct Answer :-

- intervened on behalf of [Option ID = 92990]

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5) Questions are based on the following:

The victory of the small Greek democracy of Athens over the mighty Persian Empire in 490 B.C. is one of the most famous events in history. Darius, king of the Persian Empire, was furious because Athens had interceded for the other Greek city-states in revolt against Persian domination. In anger the king sent an enormous army to defeat Athens. He thought it would take drastic steps to pacify the rebellious part of the empire.

Persia was ruled by one man. In Athens, however, all citizens helped to rule. Ennobled by this participation, Athenians were prepared to die for their city-state. Perhaps this was the secret of the remarkable victory at Marathon, which freed them from Persian rule. On their way to Marathon, the Persians tried to fool some Greek city-states by claiming to have come in peace. The frightened citizens of Delos

refused to believe this. Not wanting to abet the conquest of Greece, they fled from their city and did not return until the Persians had left. They were wise, for the Persians next conquered the city of Eritrea and captured its people.

Tiny Athens stood alone against Persia. The Athenian people went to their sanctuaries. There they prayed for deliverance. They asked their gods to expedite their victory. The Athenians refurbished their weapons and moved to the plain of Marathon, where their little band would meet the Persians. At the last moment, soldiers from Plataea reinforced the Athenian troops.

The Athenian army attacked, and Greek citizens fought bravely. The power of the mighty Persians was offset by the love that the Athenians had for their city. Athenians defeated the Persians in both archery and hand combat. Greek soldiers seized Persian ships and burned them, and the Persians fled in terror. Herodotus, a famous historian, reports that 6,400 Persians died, compared to only 192 Athenians.

Darius took drastic steps to _____ the rebellious Athenians.

[Question ID = 53251]

1. weaken [Option ID = 92993]
2. calm [Option ID = 92995]
3. irritate [Option ID = 92996]
4. destroy [Option ID = 92994]

Correct Answer :-

- weaken [Option ID = 92993]

Topic:- DU_J18_JAT02_Topic03

1) Direction : Answer the following questions based on the passage below.
A group of three or four has to be selected from seven persons. Among the seven are two women, Fiza and Kavita, and five men: Ram, Shyam, David, Peter and Rahim. Ram would not like to be in the group if Shyam is also selected. Shyam and Rahim want to be selected together in the group. Kavita would like to be in the group only if David is also there. David, if selected, would not like Peter in the group. Ram would like to be in the group only if Peter is also there. David insists that Fiza be selected in case he is there in the group.

Which of the following is a feasible group of four?

[Question ID = 53259]

1. Fiza, David, Ram, Peter [Option ID = 93025]
2. Shyam, Rahim, Fiza, David [Option ID = 93024]
3. Shyam, Rahim, Kavita, David [Option ID = 93023]
4. Ram, Peter, Fiza, Rahim [Option ID = 93022]

Correct Answer :-

- Shyam, Rahim, Fiza, David [Option ID = 93024]

2) Direction : Answer the following questions based on the passage below.
A group of three or four has to be selected from seven persons. Among the seven are two women, Fiza and Kavita, and five men: Ram, Shyam, David, Peter and Rahim. Ram would not like to be in the group if Shyam is also selected. Shyam and Rahim want to be selected together in the group. Kavita would like to be in the group only if David is also there. David, if selected, would not like Peter in the group. Ram would like to be in the group only if Peter is also there. David insists that Fiza be selected in case he is there in the group.

Which of the following is a feasible group of three?

[Question ID = 53260]

1. Fiza, David, Ram [Option ID = 93029]
2. Peter, Shyam, Rahim [Option ID = 93027]
3. David, Ram, Rahim [Option ID = 93026]
4. Kavita, David, Shyam [Option ID = 93028]

Correct Answer :-

- Peter, Shyam, Rahim [Option ID = 93027]

3) Direction : Answer the following questions based on the passage below.
A group of three or four has to be selected from seven persons. Among the seven are two women, Fiza and Kavita, and five men: Ram, Shyam, David, Peter and Rahim. Ram would not like to be in the group if Shyam is also selected. Shyam and Rahim want to be selected

together in the group. Kavita would like to be in the group only if David is also there. David, if selected, would not like Peter in the group. Ram would like to be in the group only if Peter is also there. David insists that Fiza be selected in case he is there in the group.

Which of the following statements is true?

[Question ID = 53258]

1. A group of four can have two women [Option ID = 93019]
2. A group of four can have all four men [Option ID = 93020]
3. None of these [Option ID = 93021]
4. Kavita and Ram can be part of a group of four [Option ID = 93018]

Correct Answer :-

- None of these [Option ID = 93021]

Topic:- DU_J18_JAT02_Topic04

1) Directions : Read the information given below and answer the questions that follow:
Six members of a family G, H, I, J, K and L are Physician, Clerk, Lawyer, Jeweller, Medico and Engineer, but not in the same order.
I. Medico is the grandfather of L and he is a physician.
II. Clerk J is married to G.
III. I, who is a jeweller, is married to a lawyer.
IV. H is the mother of L and K
V. There are two married couples in the family.

Who are the two couples in the family?

[Question ID = 53265]

1. GJ and IH [Option ID = 93046]
2. GK and JK [Option ID = 93048]
3. GH and IJ [Option ID = 93047]
4. GI and HJ [Option ID = 93049]

Correct Answer :-

- GJ and IH [Option ID = 93046]

2) Directions : Read the information given below and answer the questions that follow:
Six members of a family G, H, I, J, K and L are Physician, Clerk, Lawyer, Jeweller, Medico and Engineer, but not in the same order.
I. Medico is the grandfather of L and he is a physician.
II. Clerk J is married to G.
III. I, who is a jeweller, is married to a lawyer.
IV. H is the mother of L and K
V. There are two married couples in the family.

What is the profession of K?

[Question ID = 53262]

1. Clerk [Option ID = 93035]
2. Engineer [Option ID = 93036]
3. Physician [Option ID = 93037]
4. Medico [Option ID = 93034]

Correct Answer :-

- Engineer [Option ID = 93036]

3) Directions : Read the information given below and answer the questions that follow:
Six members of a family G, H, I, J, K and L are Physician, Clerk, Lawyer, Jeweller, Medico and Engineer, but not in the same order.
I. Medico is the grandfather of L and he is a physician.
II. Clerk J is married to G.
III. I, who is a jeweller, is married to a lawyer.
IV. H is the mother of L and K
V. There are two married couples in the family.

How many male members are there in the Family?

[Question ID = 53263]

1. 4 [Option ID = 93040]
2. cannot be determined [Option ID = 93041]
3. 2 [Option ID = 93038]
4. 2 [Option ID = 93039]

Correct Answer :-

- cannot be determined [Option ID = 93041]

4) Directions : Read the information given below and answer the questions that follow:
Six members of a family G, H, I, J, K and L are Physician, Clerk, Lawyer, Jeweller, Medico and Engineer, but not in the same order.
I. Medico is the grandfather of L and he is a physician.
II. Clerk J is married to G.
III. I, who is a jeweller, is married to a lawyer.
IV. H is the mother of L and K
V. There are two married couples in the family.

How is G related to K?

[Question ID = 53264]

1. Grandmother [Option ID = 93044]
2. Grandfather [Option ID = 93045]
3. Wife [Option ID = 93042]
4. Father [Option ID = 93043]

Correct Answer :-

- Grandfather [Option ID = 93045]

Topic:- DU_J18_JAT02_Topic05

1) Directions: Please read the information given below to answer the questions that follow
A group of seven singers, facing the audience are standing in a on the stage as follows:
1. D is to the right of C
2. F is standing beside G
3. B is to the left of F
4. E is to the left of A
5. C and B have one person between them
6. A and D have one person between them
What is the position of C? [Question ID = 53268]

1. 4th from the right [Option ID = 93061]
2. 4th from the left [Option ID = 93059]
3. 3rd from left [Option ID = 93058]
4. 3rd from right [Option ID = 93060]

Correct Answer :-

- 3rd from left [Option ID = 93058]

2) Directions: Please read the information given below to answer the questions that follow
A group of seven singers, facing the audience are standing in a on the stage as follows:
1. D is to the right of C
2. F is standing beside G
3. B is to the left of F
4. E is to the left of A
5. C and B have one person between them
6. A and D have one person between them
Who is on the extreme right? [Question ID = 53267]

1. B [Option ID = 93055]
2. F [Option ID = 93057]
3. G [Option ID = 93054]
4. A [Option ID = 93056]

Correct Answer :-

- G [Option ID = 93054]

3)

Directions: Please read the information given below to answer the questions that follow
A group of seven singers, facing the audience are standing in a on the stage as follows:
1. D is to the right of C
2. F is standing beside G
3. B is to the left of F
4. E is to the left of A
5. C and B have one person between them
6. A and D have one person between them
If A and B now inter change their positions, what will be the position of A from the right? [Question ID = 53269]

1. 2nd [Option ID = 93062]
2. 3rd [Option ID = 93065]
3. 1st [Option ID = 93063]
4. 4th [Option ID = 93064]

Correct Answer :-

- 3rd [Option ID = 93065]