DU JAT BMS BBA N BA Business Economics 01

Topic:- DU_J19_JAT01_T1

1) Which of the following taxes is levied by the Gram Panchayats?

[Question ID = 14820]

- 1. Land Revenue Tax [Option ID = 29278]
- 2. Sales Tax [Option ID = 29277]
- 3. Tax on Local Fairs [Option ID = 29279]
- 4. None of these [Option ID = 29280]

Correct Answer :-

Sales Tax [Option ID = 29277]

2) Which state of India has recently created the posts for five deputy chief ministers?

[Question ID = 14842]

- 1. Karnataka [Option ID = 29366]
- 2. Andhra Pradesh [Option ID = 29365]
- 3. Odissa [Option ID = 29367]
- 4. Bihar [Option ID = 29368]

Correct Answer :-

- Andhra Pradesh [Option ID = 29365]
- 3) Which statement is correct
- (i) Derivative of an even function is an odd function
- (ii) Derivative of an odd function is an even function

[Question ID = 14897]

1. Both (i) and (ii) [Option ID = 29587]

- 2. Only (ii) [Option ID = 29586] 3. Only (i) [Option ID = 29585]
- 4. None [Option ID = 29588]

Correct Answer :-

• Only (i) [Option ID = 29585]

4) In the following questions some parts of a sentence have been jumbled up. You are required to rearrange these parts marked as P,Q,R and S. Choose the proper sequence.

Though he dialled frequently P: on telephone Q: my brother could not contact me R: and left no information S: as I had gone out of office

The proper sequence should be: [Question ID = 14846]

- 1. QPSR [Option ID = 29383]
- 2. SPQR [Option ID = 29384]
- 3. SQRP [Option ID = 29382]
- 4. QPRS [Option ID = 29381]

Correct Answer :-

• QPRS [Option ID = 29381]

5) In the following questions some parts of a sentence have been jumbled up. You are required to rearrange these parts marked as P,Q,R and S. Choose the proper sequence.

The grocer

P: did not listen to the protests of the customer Q: who was in the habit of weighing less R: whom he had cheated S: with great audacity

The proper sequence should be: [Question ID = 14847]

- 1. PRSQ [Option ID = 29385]
- 2. QSPR [Option ID = 29386]
- 3. PQSR [Option ID = 29388]
- 4. QPRS [Option ID = 29387]

Correct Answer :-

PRSQ [Option ID = 29385]

6) In the following question, select the word which is opposite in meaning to the given word.

Subsequent [Question ID = 14859]

- 1. Succeeding [Option ID = 29434]
- 2. Comparative [Option ID = 29436]
- 3. Eventual [Option ID = 29433]
- 4. Prior [Option ID = 29435]

Correct Answer :-

• Eventual [Option ID = 29433]

7) In the following question, select the word which is opposite in meaning to the given word.

Orthodox [Question ID = 14860]

- 1. Generous [Option ID = 29440]
- 2. Revolutionary [Option ID = 29437]
- 3. Conformist [Option ID = 29439]
- 4. Conservative [Option ID = 29438]

Correct Answer :-

• Revolutionary [Option ID = 29437]

Find the word that is closest in meaning to the word given in capital.

FUDDLE [Question ID = 14853]

- 1. Cheat [Option ID = 29411]
- 2. Focus [Option ID = 29409]
- 3. Fudge [Option ID = 29412]
- 4. Confuse [Option ID = 29410]

Correct Answer :-

• Focus [Option ID = 29409]

9) Find the word that is closest in meaning to the word given in capital.

LOQUACITY [Question ID = 14854]

- 1. talkativeness [Option ID = 29416]
- 2. fantasy [Option ID = 29414]
- 3. repetition [Option ID = 29415]
- 4. misery [Option ID = 29413]

Correct Answer :-

• misery [Option ID = 29413]

10) SDG, in the context of development agenda proposed by the United Nations, stands for:

[Question ID = 14839]

- 1. Sustainable Development Goals [Option ID = 29353]
- 2. None of these [Option ID = 29356]
- 3. Swift Development Goals [Option ID = 29354]
- 4. Software Development Guidelines [Option ID = 29355]

Correct Answer :-

• Sustainable Development Goals [Option ID = 29353]

11) 'Glanza' is a car model introduced by

[Question ID = 14837]

- 1. Hyundai [Option ID = 29345]
- 2. Ford [Option ID = 29346]
- 3. Toyota [Option ID = 29348]
- 4. Mitsubishi [Option ID = 29347]

Correct Answer :-

• Hyundai [Option ID = 29345]

12) Which city was awarded Best Capital City in the Solid Waste Management in the Swachh Survekshan 2018 rankings? [Question ID = 14822]

Delhi [Option ID = 29287]
 Pune [Option ID = 29286]
 Hyderabad [Option ID = 29285]
 Bengaluru [Option ID = 29288]

Correct Answer :-

• Hyderabad [Option ID = 29285]

13) In a queue, Rohan is 14th from the front and Jaya is 17th from the end, while Rahul is exactly in middle of Rohan and Jaya. If Rohan is ahead of Jaya and there are 48 people in the queue, how many people are there between Rohan and Rahul? [Question ID = 14868]

1. 6 [Option ID = 29470] 2. 7 [Option ID = 29471] 3. 5 [Option ID = 29469] 4. 8 [Option ID = 29472]

Correct Answer :-

• 5 [Option ID = 29469]

14) A(2,-1,3), E(4,-5,9) and B(7,-11,18) are three collinear points. E lies between A and B. The ratio in which E divides AB is

[Question ID = 14795]

1. 3 : 2 [Option ID = 29179] 2. 1 : 2 [Option ID = 29177] 3. 2 : 1 [Option ID = 29180] 4. 2 : 3 [Option ID = 29178]

Correct Answer :-

• 1 : 2 [Option ID = 29177]

15) Recently the Maldives' highest honour "Rule of Nishan Izzuddeen" has been conferred to

[Question ID = 14823]

- 1. Xi Jinping (President of China) [Option ID = 29292]
- 2. Ibrahim Mohamed Solih (President of Maldives) [Option ID = 29289]
- 3. Bidhya Devi Bhandari (President of Nepal) [Option ID = 29291]
- 4. Narendra Modi (Prime minister of India) [Option ID = 29290]

Correct Answer :-

Ibrahim Mohamed Solih (President of Maldives) [Option ID = 29289]

16) The Government has launched the UDYAMI helpline for which among the following? [Question ID = 14830]

1. Large capital industries [Option ID = 29317]

- 2. Micro, small & medium size enterprises [Option ID = 29320]
- 3. Female entrepreneurs [Option ID = 29318]
- 4. Farmers introducing technology in Farming [Option ID = 29319]

Correct Answer :-

Large capital industries [Option ID = 29317]

17) According to UNEP, 'Green Economy' includes which of the following?

[Question ID = 14821]

1. Social inclusion [Option ID = 29283] 2. Resource efficiency [Option ID = 29281] 3. Low carbon growth [Option ID = 29282] 4. All of these [Option ID = 29284] **Correct Answer :-** Resource efficiency [Option ID = 29281] 18) In the given series, find the wrong/ mis-fit number 3, 10, 41, 206, 1236, 8660 [Question ID = 14869] 1. 1236 [Option ID = 29474] 2. 206 [Option ID = 29475] 3. 10 [Option ID = 29473] 4. 41 [Option ID = 29476] **Correct Answer :-**• 10 [Option ID = 29473] 19) In the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative. _ baa _ aa _ aab _ [Question ID = 14876] 1. abba [Option ID = 29504] 2. baba [Option ID = 29501] 3. aabb [Option ID = 29503] 4. bbab [Option ID = 29502] **Correct Answer :-** baba [Option ID = 29501] 20) P, Q, R, S, T and U are sitting in a circle, P is to the left of R, Q is between S and T and U is between S and R. Who is to the left of Q? [Question ID = 14866] 1. S [Option ID = 29462] 2. P [Option ID = 29464] 3. T [Option ID = 29463] 4. R [Option ID = 29461] **Correct Answer :-** R [Option ID = 29461] 21) IF PRATAP could be given the code number 1618120116 then what code number can be given to NAVIN? [Question ID = 14872] 1. 73957614 [Option ID = 29485] 2. 24639125 [Option ID = 29486] 3. 14274651 [Option ID = 29488] 4. 14122914 [Option ID = 29487] **Correct Answer :-**73957614 [Option ID = 29485]

22) Indian economist Gita Gopinath gained recognition recently as she was appointed the

[Question ID = 14831]

- 1. CEO of Apple Inc. [Option ID = 29321]
- 2. Chief Economist of IMF [Option ID = 29323]
- 3. Chief Economist of World Bank [Option ID = 29322]
- 4. Marketing head of Google [Option ID = 29324]

Correct Answer :-

• CEO of Apple Inc. [Option ID = 29321]

23) 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 the sine of \angle CPB is:

[Question ID = 14803]

3/5 [Option ID = 29209]
 4/5 [Option ID = 29211]
 2/5 [Option ID = 29210]
 None of these [Option ID = 29212]

Correct Answer :-

• 3/5 [Option ID = 29209]

24) A man takes 6 hours 15 minutes in walking a distance and riding back to starting place. He could walk both ways in 7 hours 45 minutes. The time taken by him to ride back both ways is: [Question ID = 14801]

4 hours 45 mins [Option ID = 29203]
 4 hours 30 mins [Option ID = 29202]
 4 hours [Option ID = 29201]
 5 hours [Option ID = 29204]

Correct Answer :-

4 hours [Option ID = 29201]

25) Olympics 2020 will be held in [Question ID = 14836]

- 1. Indonesia [Option ID = 29342]
- 2. Japan [Option ID = 29344]
- 3. China [Option ID = 29341]
- 4. South Africa [Option ID = 29343]

Correct Answer :-

• China [Option ID = 29341]

26) Who were made the first ever brand ambassadors of e-commerce fashion portal, Myntra in May 2019? [Question ID = 14833]

1. Ranveer Singh and Anushka Sharma [Option ID = 29332]

- 2. Virat Kohli and Anushka Sharma [Option ID = 29330]
- 3. Ranbir Kapoor and Alia Bhatt [Option ID = 29331]
- 4. Ranbir Kapoor and Deepika Padukone [Option ID = 29329]

Correct Answer :-

• Ranbir Kapoor and Deepika Padukone [Option ID = 29329]

| Sony [Option ID = 29302] | |
|--|---|
| . Phillips [Option ID = 29301] | |
| 3. LG [Option ID = 29304] | |
| 4. Samsung [Option ID = 29303] | |
| Correct Answer :- | |
| Phillips [Option ID = 29301] | |
| 28) In which of the following forms (| of market is the industry dominated by few firms? |
| Question ID = 14819] | |
| 1. Monopolistic Competition [Option ID = | 29276] |
| 2. Monopoly [Option ID = 29274] | |
| 3. Oligopoly [Option ID = 29275] | |
| 4. Perfect Competition [Option ID = 2927] | 3] |
| Correct Answer :- | |
| Perfect Competition [Option ID = 2927 | /3] |
| | llowing states has launched the Aroma Mission for the |
| agriculture and allied sector? [Questi | UII 10 = 14025] |
| 1. Gujarat [Option ID = 29297] 2. Meghalaya [Option ID = 29299] | |
| 3. Andhra Pradesh [Option ID = 29299] | |
| 4. Haryana [Option ID = 29298] | |
| Correct Answer :- | |
| Gujarat [Option ID = 29297] | |
| 30) If f(x) is an odd function, then | <i>f</i> (x) is [Question ID = 14796] |
| 1. an odd function [Option ID = 29181] | |
| 2. an even function [Option ID = 29182] | |
| 3. neither odd nor even [Option ID = 291 | 183] |
| 4. even and odd [Option ID = 29184] | |
| Correct Answer :- | |
| an odd function [Option ID = 29181] | |
| 31) The severe cyclone that struck O | rissa recently was named [Question ID = 14838] |
| 1. Fani [Option ID = 29349] | |
| 2. Vayu [Option ID = 29350] | |
| 3. Lisa [Option ID = 29352] | |
| 1 (aza ()ntion 1) = 293511 | |
| 4. Gaza [Option ID = 29351] | |
| A. Gaza [Option ID = 29351] Correct Answer :- • Fani [Option ID = 29349] | |

| 1. December 2019 at Tokyo, Ja | apan [Option ID = 29306] |
|--|--|
| 2. September 2019 at New De | |
| 3. March 2020 at Buenos Aires | s, Argentina [Option ID = 29307] |
| 4. June 2020 at Astana, Kazak | hstan [Option ID = 29308] |
| Correct Answer :- | |
| September 2019 at New De | elhi, India [Option ID = 29305] |
| 33) Identify the next term DMP, FLN, HKL, JJJ, [Qu | |
| 1. III [Option ID = 29459] | |
| 2. LIH [Option ID = 29457] | |
| 3. MII [Option ID = 29458] | |
| 4. MIF [Option ID = 29460] | |
| Correct Answer :- | |
| • LIH [Option ID = 29457] | |
| 34) Differentiation of log<i>x</i>[Question ID = 14798] | isin <i>x</i> |
| 1. $(\sin x).(1/x)$ [Option ID = 29 | 0180] |
| 2. $(\sin x).(1/x) + (\log x).(\cos x)$ | - |
| 3. $(\cos x)$. $(\sin x) + \log x$ [Option | |
| 4. $(\cos x).(-1/x) + 1/\log x$ [Option | on ID = 29192] |
| Correct Answer :- | |
| • $(\sin x).(1/x)$ [Option ID = 2' | 9189] |
| 25) In the question below | numbers are given out of which three are similar and one is different. |
| Choose the odd one out. | |
| choose the out one out. | |
| [Question ID = 14873] | |
| | |
| [Question ID = 14873] | |
| [Question ID = 14873] 1. 55:62 [Option ID = 29490] | |

Correct Answer :-

• 34:43 [Option ID = 29489]

36) In the question given below, there are two statements labelled as Assertion (A) and Reason (R). Mark your answer as per the codes provided below:

Assertion (A): We prefer to wear white clothes in winter.

Reasons (R): White clothes are good reflector of heat.

[Question ID = 14864]

- 1. Both A and R are true but R is not the correct explanation of A [Option ID = 29454]
- 2. Both A and R are true and R is the correct explanation of A. [Option ID = 29453]

3. A is false but R is true. [Option ID = 29456] 4. A is true but R is false. [Option ID = 29455] **Correct Answer :-** Both A and R are true and R is the correct explanation of A. [Option ID = 29453] 37) Who established GoodWeave as the first voluntary labelling, monitoring and certification system of rugs manufactured without the use of child-labour in South Asia? [Question ID = 14843] 1. Kailash Satyarthi [Option ID = 29370] 2. Anna Hazare [Option ID = 29372] 3. APJ Abdul Kalam [Option ID = 29369] 4. Smriti Irani [Option ID = 29371] **Correct Answer :-** APJ Abdul Kalam [Option ID = 29369] 38) Evaluate $\begin{vmatrix} \log_3 64 & \log_4 3 \\ \log_3 8 & \log_4 9 \end{vmatrix}$ [Question ID = 14894] 1. 7.5 [Option ID = 29576] 2. 4.5 [Option ID = 29574] 3. 1.5 [Option ID = 29573] 4. 6.5 [Option ID = 29575] **Correct Answer :-**• 1.5 [Option ID = 29573] 39) Given $= \begin{bmatrix} 1 & -1 \\ 2 & -1 \end{bmatrix}$, which of the following results is true? [Question ID = 14879] 1. $A^2 = 2I$ [Option ID = 29515] 2. $A^2 = I$ [Option ID = 29513] None of these [Option ID = 29516] 3. 4. $A^2 = -I$ [Option ID = 29514] **Correct Answer :-**• $A^2 = I$ [Option ID = 29513] 40)

Match the following:

| Function | Range |
|------------------------------|--|
| (1) <i>sin</i> ⁻¹ | (i) [0,π] |
| (2) cos ⁻¹ | (ii) $\left[\frac{-\pi}{2}, \frac{\pi}{2}\right]$ |
| (3) tan ⁻¹ | (iii) $\left(\frac{-\pi}{2}, \frac{\pi}{2}\right)$ |
| (4) cot ⁻¹ | (iv) (0,π) |

[Question ID = 14893]

1. (1)-(iii), (2)-(ii), (3)-(i), (4)-(iv) [Option ID = 29571] 2. (1)-(iii), (2)-(ii), (3)-(iv), (4)-(i) [Option ID = 29572] 3. (1)-(ii), (2)-(i), (3)-(iii), 4-(iv) [Option ID = 29569] 4. (1)-(iv), (2)-(i), (3)-(iii), 4-(ii) [Option ID = 29570]

Correct Answer :-

• (1)-(ii), (2)-(i), (3)-(iii), 4-(iv) [Option ID = 29569]

⁴¹⁾ The total revenue received from the sale of x units of a product is given by $R(x) = 7x^2 + 14x + 10$ What is the marginal revenue when x = 10 units?

[Question ID = 14892]

1. 140 [Option ID = 29565]
 2. 28 [Option ID = 29566]
 3. 154 [Option ID = 29568]
 4. 64 [Option ID = 29567]

Correct Answer :-

• 140 [Option ID = 29565]

42) If
$$\int_{1}^{a} (3x^{2} + 2x + 1) dx = 11$$
, then the value of a is –

[Question ID = 14882]

- 1. 2 [Option ID = 29527]
- 2. 0 [Option ID = 29525]
- 3. 1 [Option ID = 29526]
- 4. 3 [Option ID = 29528]

Correct Answer :-

• 0 [Option ID = 29525]

If g is the inverse of a function f and $f'(x) = \frac{1}{1+x^5}$, then g'(x) is equal to

[Question ID = 14878]

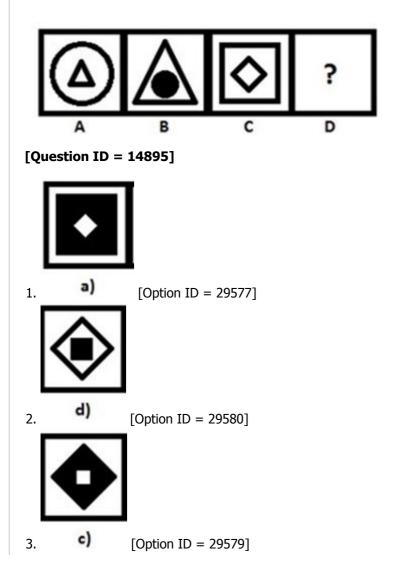
1. $\frac{1}{[1 + {g(x)}^5]}$ [Option ID = 29511] 2. $\frac{4x^4}{[0ption ID = 29510]}$ 3. $\frac{1 + {g(x)}^5}{[0ption ID = 29512]}$ 4. $1 + x^5$ [Option ID = 29509]

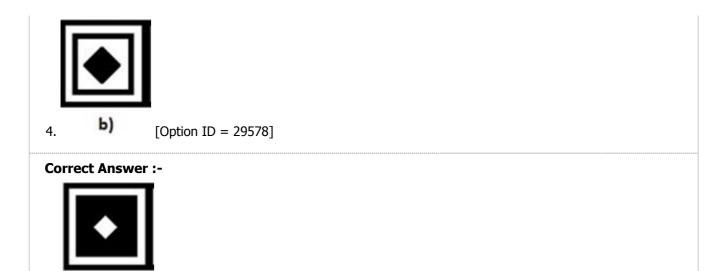
Correct Answer :-

• $1 + x^5$ [Option ID = 29509]

44)

The following question consists of two sets of figures. Figures A, B, C and D constitute the Problem Set while figures a), b), c) and d) constitute the Answer Set. There is a definite relationship between figures A and B. Establish a similar relationship between figures C and D by selecting a suitable figure from the Answer Set that would replace the question mark (?) in figure (D).





[Option ID = 29577]

45)

The existence of the unique solution of the following system of equation depends on:

 $x + y + z = \alpha$ $5x - y + \delta z = 10$ 2x + 3y - z = 6

a)

[Question ID = 14888]

1. Both δ and α [Option ID = 29551] 2. δ [Option ID = 29549] 3. α [Option ID = 29550] 4. Neither δ nor α [Option ID = 29552]

Correct Answer :-

• δ [Option ID = 29549]

46)

If the points with position vectors $60\hat{i} + 3\hat{j}$, $40\hat{i} - 8\hat{j}$ and $a\hat{i} - 52\hat{j}$ are collinear, then the value of a is:

[Question ID = 14880]

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1. -40 [Option ID = 29519]
2. 20 [Option ID = 29517]
3. 40 [Option ID = 29520]
4. -20 [Option ID = 29518]
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Correct Answer :-

• 20 [Option ID = 29517]

let $f: R \to R$ be defined as $f(x) = \begin{cases} 4x & \text{if } x > 5\\ x^2 & \text{if } 1 < x \le 5\\ 6x & \text{if } x \le 1 \end{cases}$

then f(-6) + f(8) + f(7) = ?

[Question ID = 14890]

24 [Option ID = 29557]
 60 [Option ID = 29560]
 81 [Option ID = 29559]
 40 [Option ID = 29558]

Correct Answer :-

• 24 [Option ID = 29557]

48)

Find the local maxima or minima of the function: $f(x) = \sin x + \cos x$, where 0 < x < 90

[Question ID = 14883]

1. $\frac{2\pi}{3}$ [Option ID = 29532] $\frac{\pi}{2}$ 2. 2 [Option ID = 29531] $\frac{3\pi}{4}$ [Option ID = 29529] $\frac{\pi}{4}$ 4. 4 [Option ID = 29530]

Correct Answer :-

 3π

• 4 [Option ID = 29529]

49)

The value of the expression $\tan^{-1}(\tan\frac{3\pi}{4})$ is

[Question ID = 14885]

1. - $\pi/6$ [Option ID = 29538] 2. - $\pi/4$ [Option ID = 29540] 3. $\pi/4$ [Option ID = 29539] 4. $\pi/6$ [Option ID = 29537]

Correct Answer :-

• π/6 [Option ID = 29537]

50) The slope of the normal to the curve $x^2 + 3y + y^2$ at (1,1) is

[Question ID = 14887]

1. 5/2 [Option ID = 29545] 2. -5/2 [Option ID = 29546] 3. -2/5 [Option ID = 29547] 4. 2/5 [Option ID = 29548]

Correct Answer :-

• 5/2 [Option ID = 29545]

51) Find the matrix z such that 2x + y + z = 0 where $x = \begin{bmatrix} -1 & 2 \\ 3 & 4 \end{bmatrix}$ and $y = \begin{bmatrix} 3 & -2 \\ 1 & 5 \end{bmatrix}$

[Question ID = 14889]

 $\begin{bmatrix} -1 & 2 \\ -7 & 13 \end{bmatrix} \text{[Option ID = 29554]}$ 1. $\begin{bmatrix} 1 & 2 \\ 7 & 13 \end{bmatrix} \text{[Option ID = 29553]}$ 2. $\begin{bmatrix} -1 & -2 \\ -7 & -13 \end{bmatrix} \text{[Option ID = 29556]}$ 3. $\begin{bmatrix} 1 & -2 \\ 7 & -13 \end{bmatrix} \text{[Option ID = 29556]}$ 4. $\begin{bmatrix} 1 & -2 \\ 7 & -13 \end{bmatrix} \text{[Option ID = 29555]}$

Correct Answer :-

 $\begin{bmatrix} 1 & 2 \\ 7 & 13 \end{bmatrix}$ [Option ID = 29553]

52) If the following function is continuous at x = 3, then the value of 'k' is – $f(x) = \begin{cases} \frac{(x+3)^2 - 36}{x-3}, & x \neq 3\\ k, & x = 3 \end{cases}$

[Question ID = 14881]

1. 6 [Option ID = 29521] 2. 9 [Option ID = 29523] 3. 12 [Option ID = 29524] 4. 3 [Option ID = 29522]

Correct Answer :-

• 6 [Option ID = 29521]

53)

The value of the expression $\sin^{-1}\left[\cos\left\{\sin^{-1}\left(-\frac{\sqrt{3}}{2}\right)\right\}\right]$ is

[Question ID = 14884]

π [Option ID = 29533]
 π/2 [Option ID = 29534]
 π/4 [Option ID = 29535]
 π/6 [Option ID = 29536]

Correct Answer :-

• *π* [Option ID = 29533]

54)

The angle between two vectors \vec{a} and \vec{b} with magnitudes $\sqrt{3}$ and 2 respectively, such that $\vec{a} \cdot \vec{b} = \sqrt{6}$ is –

[Question ID = 14886]

1. $\frac{3\pi}{4}$ [Option ID = 29541] 2. $\frac{4}{4}$ [Option ID = 29542] 2. $\frac{2\pi}{3}$ 3. $\frac{3}{3}$ [Option ID = 29544] 4. $\frac{2}{2}$ [Option ID = 29543]

Correct Answer :-

 3π

4 [Option ID = 29541]

55) Who among the following is the youngest Indian woman to win on the Ladies European Tour in Cape Town, South Africa in 2019? [Question ID = 14824]

1. Sharmila Nicollet [Option ID = 29294]

- 2. Aditi Ashok [Option ID = 29296]
- 3. Diksha Dagar [Option ID = 29293]
- 4. Anisha Padukone [Option ID = 29295]

Correct Answer :-

Diksha Dagar [Option ID = 29293]

56) Complete the second sentence so that it is similar in meaning to the first. Use the word after the double slash (//) to complete the blank.

I thought parking was allowed here. -> I _____ that parking was allowed here. // under [Question ID = 14858]

1. am under the impression [Option ID = 29431]

- 2. was under the impression [Option ID = 29429]
- 3. happen to be under the impression [Option ID = 29432]
- 4. under the impression [Option ID = 29430]

Correct Answer :-

• was under the impression [Option ID = 29429]

Complete the second sentence so that it is similar in meaning to the first. Use the word after the double slash (//) to complete the blank. It isn't necessary to bring skis as they are included in the package. -> You _____ bring skis as they are included in the package. // have [Question ID = 14857] 1. have to [Option ID = 29425] 2. absolutely have to [Option ID = 29426] 3. don't have to [Option ID = 29428] 4. must have to [Option ID = 29427] **Correct Answer :-** have to [Option ID = 29425] 58) In an ellipse, the distance between its foci is 6 and minor axis is 8. Then its eccentricity is [Question ID = 14794] 1. 3/5 [Option ID = 29173] 2. 1/2 [Option ID = 29174] 3. 3/4 [Option ID = 29176] 4. 4/5 [Option ID = 29175] **Correct Answer :-** 3/5 [Option ID = 29173] 59) In a certain code 'This is the tree' is written as 2153, 'the green tree' is written as 573 and 'tree of life' is 309. What is the symbol for "The" ? [Question ID = 14871] 1. 2 [Option ID = 29481] 2. 0 [Option ID = 29484] 3. 5 [Option ID = 29483] 4. 3 [Option ID = 29482] **Correct Answer :-**• 2 [Option ID = 29481] 60) Choose the next number in the series from the options below -4,3,-11,10,? [Question ID = 14875] 1. -18 [Option ID = 29498] 2. 18 [Option ID = 29499] 3. -35 [Option ID = 29500] 4. -27 [Option ID = 29497] **Correct Answer :-** -27 [Option ID = 29497] 61) Which of the following SAARC member nation is not the member of BIMSTEC? [Question ID = 14829] 1. Bangladesh [Option ID = 29316] 2. Pakistan [Option ID = 29314] 3. India [Option ID = 29313] 4. Sri Lanka [Option ID = 29315]

Correct Answer :-

62) Which of the following recently resumed its flights to Pakistan after 10 years? [Question ID = 14834]

- 1. British Airways [Option ID = 29336]
- 2. Jet Airways [Option ID = 29335]
- 3. Emirates [Option ID = 29333]
- 4. Air India [Option ID = 29334]

Correct Answer :-

Emirates [Option ID = 29333]

63) Which of the following companies recently introduced a 26 week paternity leave for its employees? [Question ID = 14841]

- 1. FoodPanda [Option ID = 29362]
- 2. Uber Eats [Option ID = 29364]
- 3. Swiggy [Option ID = 29361]
- 4. Zomato [Option ID = 29363]

Correct Answer :-

• Swiggy [Option ID = 29361]

64) Choose the correct meaning of the following idiom:

To read between the lines

[Question ID = 14844]

- 1. to understand the hidden meaning [Option ID = 29375]
- 2. to have a good sight [Option ID = 29374]
- 3. to learn quickly [Option ID = 29373]
- 4. None of these [Option ID = 29376]

Correct Answer :-

to learn quickly [Option ID = 29373]

65) Choose the correct meaning of the following idiom:

Break the ice

[Question ID = 14845]

- 1. To speak first after long silence [Option ID = 29379]
- 2. To win a prize [Option ID = 29378]
- 3. To win some one's heart [Option ID = 29380]
- 4. To do something with courage [Option ID = 29377]

Correct Answer :-

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    To do something with courage [Option ID = 29377]
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66) Choose the most suitable word for the given phrase.

"Failing to discharge one's duty"

[Question ID = 14852]

- 1. Restitution [Option ID = 29408]
- 2. Honourary [Option ID = 29405]
- 3. Dereliction [Option ID = 29407]
- 4. Destitution [Option ID = 29406]

Correct Answer :-

• Honourary [Option ID = 29405]

67) From the given statements, select the set of conclusions which logically follows. *Statement I* Some kids are stupid. *Statement II* All stupid are boys.

Conclusion I All kids are boys. Conclusion II Some boys are kids. Conclusion III Some boys are stupid. Conclusion IV All stupid are kids.

[Question ID = 14867]

1. Only conclusion I follows. [Option ID = 29465]

- 2. Only conclusions I, II and III follow. [Option ID = 29466]
- 3. Only conclusions II and III follow. [Option ID = 29467]
- 4. All conclusions are correct. [Option ID = 29468]

Correct Answer :-

• Only conclusion I follows. [Option ID = 29465]

68) Study the given arrangement carefully and answer the question.

$\# \ 6 \ B \ G \ @ \ I \ L \ 73 \ H \ A \ \% \ D \ F \ K \ E \ 8 \ J \ Q \ 1 \ * \ V \ T \ U \ 2 \ \$ \ W$

Three of the following four are alike in a certain way based on the positions of their elements in the above arrangement and so form a group. Which is the one that does not belong to the group? [Question ID = 14870]

1. IL@ [Option ID = 29477] 2. V*T [Option ID = 29480] 3. AH% [Option ID = 29478] 4. QJ1 [Option ID = 29479]

Correct Answer :-

• IL@ [Option ID = 29477]

69) Choose the option which best fits the blank to complete the sentence.

Although he had never learned to read, his exceptional memory and enquiring mind eventually made him a very _____ man. [Question ID = 14856]

- 1. Dedicated [Option ID = 29421]
- 2. Erudite [Option ID = 29422]
- 3. Pragmatic [Option ID = 29423]
- 4. Benevolent [Option ID = 29424]

70) Choose the option which best fits the blank to complete the sentence.

The truck was ______ the traffic and the policeman asked the driver to move off. [Question ID = 14855]

- 1. obstructing [Option ID = 29418]
- 2. disturbing [Option ID = 29420]
- 3. failing [Option ID = 29417]
- 4. obviating [Option ID = 29419]

Correct Answer :-

• failing [Option ID = 29417]

71) Choose the correct spelling: [Question ID = 14850]

- 1. Manuver [Option ID = 29397]
- 2. Maneuvere [Option ID = 29399]
- 3. Manoeuvre [Option ID = 29400]
- 4. Manneuver [Option ID = 29398]

Correct Answer :-

Manuver [Option ID = 29397]

72) Choose the correct spelling: [Question ID = 14849]

- 1. Jurisdection [Option ID = 29395]
- 2. Juresdiction [Option ID = 29394]
- 3. Jurisdiction [Option ID = 29393]
- 4. Juriesdiction [Option ID = 29396]

Correct Answer :-

• Jurisdiction [Option ID = 29393]

73) Choose the correct spelling: [Question ID = 14848]

- 1. Auxilleary [Option ID = 29391]
- 2. Auxilary [Option ID = 29392]
- 3. Auxillary [Option ID = 29389]
- 4. Auxiliary [Option ID = 29390]

Correct Answer :-

• Auxillary [Option ID = 29389]

74) Choose the correct reported speech version of the statement:

Jerry said, 'I'm studying English a lot at the moment.' [Question ID = 14862]

1. Jerry said that I was studying a lot of English at the moment. [Option ID = 29448]

- 2. Jerry said I was studying English a lot at that moment. [Option ID = 29447]
- 3. Jerry said he was studying English a lot at that moment. [Option ID = 29445]
- 4. Jerry says he was studying English a lot at the moment. [Option ID = 29446]

Correct Answer :-

• Jerry said he was studying English a lot at that moment. [Option ID = 29445]

| 75) Choose the correct reported speech version of the statement: |
|---|
| Tom said, 'I want to visit my friends this weekend.' [Question ID = 14861] |
| Tom said he wanted to visit his friends that weekend. [Option ID = 29442] Tom said he wants to visit his friends this weekend. [Option ID = 29444] Tom said he wants to visit his friends that weekend. [Option ID = 29441] Tom says he wants to visit his friends this weekend. [Option ID = 29443] |
| Correct Answer :- Tom said he wants to visit his friends that weekend. [Option ID = 29441] |
| 76) Choose the conclusions which logically follow from the given statements. |
| Statements: All pencils are sharpeners. No sharpener is eraser. Some books are pencils. Conclusions: I. Some erasers are pencils. II. Some erasers are books. III. Some sharpeners are books. IV. No eraser is book. [Question ID = 14874] |
| Only either II or IV, and I follow [Option ID = 29495] Only either II or IV, and III follow [Option ID = 29494] Only either II or III, and IV follow [Option ID = 29493] Only either II or IV follows. [Option ID = 29496] |
| Correct Answer :- Only either II or III, and IV follow [Option ID = 29493] |
| 77) Choose the most suitable word for the given phrase. |
| "Remedy for all disease" is [Question ID = 14851] |
| Medica [Option ID = 29403] Panacea [Option ID = 29404] Medical [Option ID = 29402] Medicine [Option ID = 29401] |
| Correct Answer :- |
| • Medicine [Option ID = 29401] |
| 78) Choose the most suitable word for the following: Synonym of EXTRAVAGANCE [Question ID = 14863] |
| Troop [Option ID = 29450] Saving [Option ID = 29452] Dainty [Option ID = 29449] Waste [Option ID = 29451] |
| Correct Answer :- • Dainty [Option ID = 29449] |
| 79) Which is the largest Bank of the world on the basis of their total assets [Question ID = 14828] |

1. HSBC Holdings [Option ID = 29310] 2. JPMorgan Chase & Co [Option ID = 29311] 3. Mitsubishi UFJ Financial Group [Option ID = 29312] 4. Industrial and Commercial Bank of China [Option ID = 29309] **Correct Answer :-** Industrial and Commercial Bank of China [Option ID = 29309] 80) The conjugate of a complex number is 1/(i-1). Then the complex number is [Question ID = 14799] 1. 1/(*i*+1) [Option ID = 29194] 2. 1/(*i*-1) [Option ID = 29195] 3. -1/(1) [Option ID = 29193] 4. -1/(*i*+1) [Option ID = 29196] **Correct Answer :-** -1/(*i*-1) [Option ID = 29193] 81) The tangents to the curve $y=2x^5-9$ at point x=1 and -1 are [Question ID = 14818] 1. Perpendicular [Option ID = 29269] 2. Parallel [Option ID = 29270] 3. Overlapping [Option ID = 29272] 4. Cannot be determined [Option ID = 29271] **Correct Answer :-** Perpendicular [Option ID = 29269] 82) The older name for which one of the following banks was the Imperial Bank of India? [Question ID = 14832]

- 1. Central Bank of India [Option ID = 29327]
- 2. State Bank of India [Option ID = 29326]
- 3. Punjab National Bank [Option ID = 29328]
- 4. Union Bank of India [Option ID = 29325]

Correct Answer :-

• Union Bank of India [Option ID = 29325]

83) The Parliament of which of the following, approved the ban on single use plastics in 2019?

[Question ID = 14835]

- 1. USA [Option ID = 29338]
- 2. India [Option ID = 29339]
- 3. Germany [Option ID = 29340]
- 4. Europe [Option ID = 29337]

84) Ayushman Bharat Yojna launched by Central Government of India is meant for

[Question ID = 14840]

1. Educational requirements of the poor citizens of India [Option ID = 29357]

2. Food requirements of the poor citizens of India [Option ID = 29358]

3. Health care requirements of the poor citizens of India [Option ID = 29359]

4. All of these [Option ID = 29360]

Correct Answer :-

• Educational requirements of the poor citizens of India [Option ID = 29357]

Topic:- DU_J19_JAT01_T2

1) Read the passage below and answer the question that follows:

The world is now warmer than at almost any time since the end of the last ice age and, on present trends, will continue to reach a record high for the entire period since the dawn of civilization, a study has found.

The study published in the journal Science, aims to give a global overview of Earth's temperatures over the past 11,300 years - a relatively balmy period known as the Holocene that began after the last major ice age ended and encompasses all of recorded human civilization. Their data (compiled by studying such things as ice cores, fossils and ocean sentiment) looked back over a much longer era than previous research, which went back 1,500 years.

Scientists say it is further evidence that modern-day global warming isn't natural, but the result of rising carbon dioxide emissions that have rapidly grown since the Industrial Revolution began roughly 250 years ago. Scientists say that if natural factors were still governing the climate, the Northern Hemisphere would probably be destined to freeze over again in several thousand years. Instead, scientists believe the enormous increase in greenhouse gases caused by industrialization will almost certainly prevent that.

Shaun Marcott, a geologist at Oregon State University, says "global temperatures are warmer than about 75 percent of anything we've seen over the last 11,000 years or so." The other way to look at that is, 25 percent of the time since the last ice age, it's been warmer than now. It's taken just 100 years for the average temperature to change by 1.3 degrees, when it took 5,000 years to do that before. By the end of the century, climate warming models predict an additional increase of 2 to 11.5 degrees, due largely to carbon emissions, the study noted.

The Earth's temperature has increased quickly since: [Question ID = 14899]

1. The Northern Hemisphere [Option ID = 29595]

2. The Holocene [Option ID = 29594]

3. 1,500 years ago [Option ID = 29593]

4. The Industrial Revolution [Option ID = 29596]

Correct Answer :-

• 1,500 years ago [Option ID = 29593]

2) Read the passage below and answer the question that follows:

The world is now warmer than at almost any time since the end of the last ice age and, on present trends, will continue to reach a record high for the entire period since the dawn of civilization, a study has found.

The study published in the journal Science, aims to give a global overview of Earth's

temperatures over the past 11,300 years - a relatively balmy period known as the Holocene that began after the last major ice age ended and encompasses all of recorded human civilization. Their data (compiled by studying such things as ice cores, fossils and ocean sentiment) looked back over a much longer era than previous research, which went back 1,500 years. Scientists say it is further evidence that modern-day global warming isn't natural, but the result of rising carbon dioxide emissions that have rapidly grown since the Industrial Revolution began roughly 250 years ago. Scientists say that if natural factors were still governing the climate, the Northern Hemisphere would probably be destined to freeze over again in several thousand years. Instead, scientists believe the enormous increase in greenhouse gases caused by industrialization will almost certainly prevent that.

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Global temperatures are ______ warmer since the past thousands of years. [Question ID = 14902]

- 1. 50% [Option ID = 29607]
- 2. 100% [Option ID = 29605]
- 3. 75% [Option ID = 29608]
- 4. 25% [Option ID = 29606]

Correct Answer :-

• 100% [Option ID = 29605]

3) Read the passage below and answer the question that follows:

The world is now warmer than at almost any time since the end of the last ice age and, on present trends, will continue to reach a record high for the entire period since the dawn of civilization, a study has found.

The study published in the journal Science, aims to give a global overview of Earth's temperatures over the past 11,300 years - a relatively balmy period known as the Holocene that began after the last major ice age ended and encompasses all of recorded human civilization. Their data (compiled by studying such things as ice cores, fossils and ocean sentiment) looked back over a much longer era than previous research, which went back 1,500 years.

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Before global warming, it used to take _____ for the temperature to change. [Question ID = 14903]

- 1. 5000 years [Option ID = 29611]
- 2. 100 years [Option ID = 29610]
- 3. 250 years [Option ID = 29612]
- 4. 11000 years [Option ID = 29609]

Correct Answer :-

• 11000 years [Option ID = 29609]

4) Read the passage below and answer the question that follows:

The world is now warmer than at almost any time since the end of the last ice age and, on present trends, will continue to reach a record high for the entire period since the dawn of civilization, a study has found.

The study published in the journal Science, aims to give a global overview of Earth's temperatures over the past 11,300 years - a relatively balmy period known as the Holocene that began after the last major ice age ended and encompasses all of recorded human civilization. Their data (compiled by studying such things as ice cores, fossils and ocean sentiment) looked back over a much longer era than previous research, which went back 1,500 years. Scientists say it is further evidence that modern-day global warming isn't natural, but the result of rising carbon dioxide emissions that have rapidly grown since the Industrial Revolution began roughly 250 years ago. Scientists say that if natural factors were still governing the climate, the Northern Hemisphere would probably be destined to freeze over again in several thousand years. Instead, scientists believe the enormous increase in greenhouse gases caused by industrialization will almost certainly prevent that.

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A word from the passage meaning the same as 'very large quantity or size'

[Question ID = 14900]

- 1. Increase [Option ID = 29597]
- 2. Encompass [Option ID = 29598]
- 3. Balmy [Option ID = 29599]
- 4. Enormous [Option ID = 29600]

Correct Answer :-

• Increase [Option ID = 29597]

5) Read the passage below and answer the question that follows:

The world is now warmer than at almost any time since the end of the last ice age and, on present trends, will continue to reach a record high for the entire period since the dawn of civilization, a study has found.

The study published in the journal Science, aims to give a global overview of Earth's temperatures over the past 11,300 years - a relatively balmy period known as the Holocene that began after the last major ice age ended and encompasses all of recorded human civilization. Their data (compiled by studying such things as ice cores, fossils and ocean sentiment) looked back over a much longer era than previous research, which went back 1,500 years.

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Scientists predict the earth will not freeze over because of

[Question ID = 14901]

1. natural factors [Option ID = 29602]

- 2. carbon emissions [Option ID = 29601]
- 3. none of these [Option ID = 29604]
- 4. increased greenhouse gases [Option ID = 29603]

Correct Answer :-

carbon emissions [Option ID = 29601]

Topic:- DU_J19_JAT01_T3

1) Study the following information and answer the question given below:

Three ladies and four men are a group of friends i.e. P, K, R, Q, J, V and X. Each one has a different profession i.e. Lawyer, Travel Agent, Air-hostess, Doctor, Professor, Consultant and Jeweller and each one owns a different car i.e. Alto, Corolla, Santro, Lancer, Ikon, Scorpio and Esteem, not necessarily in that order. None of the ladies is a Consultant or Lawyer. R is an Air-hostess and she owns an Ikon car. P owns a Scorpio. K is not a Doctor. J is a Jeweller and he owns Corolla. V is a Lawyer and does not own Alto. X is a Consultant and owns Santro. The doctor owns Esteem car whereas the Professor owns Scorpio. The Travel Agent owns an Alto. None of the ladies owns a Scorpio.

Who owns the car Lancer?

[Question ID = 14907]

K [Option ID = 29627]
 V [Option ID = 29625]
 Data inadequate [Option ID = 29628]
 X [Option ID = 29626]

Correct Answer :-

V [Option ID = 29625]

2) Study the following information and answer the question given below:

Three ladies and four men are a group of friends i.e. P, K, R, Q, J, V and X. Each one has a different profession i.e. Lawyer, Travel Agent, Air-hostess, Doctor, Professor, Consultant and Jeweller and each one owns a different car i.e. Alto, Corolla, Santro, Lancer, Ikon, Scorpio and Esteem, not necessarily in that order. None of the ladies is a Consultant or Lawyer. R is an Air-hostess and she owns an Ikon car. P owns a Scorpio. K is not a Doctor. J is a Jeweller and he owns Corolla. V is a Lawyer and does not own Alto. X is a Consultant and owns Santro. The doctor owns Esteem car whereas the Professor owns Scorpio. The Travel Agent owns an Alto. None of the ladies owns a Scorpio.

[Question ID = 14905]

R, P, J [Option ID = 29618]
 Data inadequate [Option ID = 29620]
 V, R, K [Option ID = 29617]
 R, K, Q [Option ID = 29619]

Correct Answer :-

• V, R, K [Option ID = 29617]

3) Study the following information and answer the question given below:

Three ladies and four men are a group of friends i.e. P, K, R, Q, J, V and X. Each one has a different profession i.e. Lawyer, Travel Agent, Air-hostess, Doctor, Professor, Consultant and Jeweller and each one owns a different car i.e. Alto, Corolla, Santro, Lancer, Ikon, Scorpio and Esteem, not necessarily in that order. None of the ladies is a Consultant or Lawyer. R is an Air-hostess and she owns an Ikon car. P owns a Scorpio. K is not a Doctor. J is a Jeweller and he owns Corolla. V is a Lawyer and does not own Alto. X is a Consultant and owns Santro. The doctor owns Esteem car whereas the Professor owns Scorpio. The Travel Agent owns an Alto. None of the ladies owns a Scorpio.

What is the profession of K? [Question ID = 14908]

- 1. Data inadequate [Option ID = 29632]
- 2. Doctor [Option ID = 29629]
- 3. Professor [Option ID = 29630]
- 4. Travel Agent [Option ID = 29631]

Correct Answer :-

- Doctor [Option ID = 29629]
- 4) Study the following information and answer the question given below:

Three ladies and four men are a group of friends i.e. P, K, R, Q, J, V and X. Each one has a different profession i.e. Lawyer, Travel Agent, Air-hostess, Doctor, Professor, Consultant and Jeweller and each one owns a different car i.e. Alto, Corolla, Santro, Lancer, Ikon, Scorpio and Esteem, not necessarily in that order. None of the ladies is a Consultant or Lawyer. R is an Air-hostess and she owns an Ikon car. P owns a Scorpio. K is not a Doctor. J is a Jeweller and he owns Corolla. V is a Lawyer and does not own Alto. X is a Consultant and owns Santro. The doctor owns Esteem car whereas the Professor owns Scorpio. The Travel Agent owns an Alto. None of the ladies owns a Scorpio.

What car does Q own? [Question ID = 14906]

- 1. Esteem [Option ID = 29621]
- 2. Alto [Option ID = 29623]
- 3. Santro [Option ID = 29624]
- 4. Lancer [Option ID = 29622]

Correct Answer :-

• Esteem [Option ID = 29621]

Topic:- DU_J19_JAT01_T4

Use the following information to answer the given question:

In a certain code "made a wise choice" is written as '4 2 1 6', "always made on order" is written as '5 0 4 8', "order a must here" is written as '9 5 7 1' and "here on my choice" is written as '3 8 2 9'

What is the code for "here"?

[Question ID = 14910]

1. 1 [Option ID = 29638] 2. 5 [Option ID = 29640] 3. 7 [Option ID = 29639] 4. 9 [Option ID = 29637]

Correct Answer :-

• 9 [Option ID = 29637]

2) Use the following information to answer the given question:

In a certain code "made a wise choice" is written as '4 2 1 6', "always made on order" is written as '5 0 4 8', "order a must here" is written as '9 5 7 1' and "here on my choice" is written as '3 8 2 9'

What does "0" (zero) stand for?

[Question ID = 14912]

Always [Option ID = 29646]
 On [Option ID = 29647]
 Order [Option ID = 29645]
 Made [Option ID = 29648]

Correct Answer :-

Order [Option ID = 29645]

3) Use the following information to answer the given question:

In a certain code "made a wise choice" is written as '4 2 1 6', "always made on order" is written as '5 0 4 8', "order a must here" is written as '9 5 7 1' and "here on my choice" is written as '3 8 2 9'

What is the code for "wise"?

[Question ID = 14913]

1. 1 [Option ID = 29651] 2. 4 [Option ID = 29649] 3. 2 [Option ID = 29650] 4. 6 [Option ID = 29652]

Correct Answer :-

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• 4 [Option ID = 29649]
```

4) Use the following information to answer the given question:

In a certain code "made a wise choice" is written as '4 2 1 6', "always made on order" is written as '5 0 4 8', "order a must here" is written as '9 5 7 1' and "here on my choice" is written as '3 8 2 9'

Which of the following may represents "order my choice"

[Question ID = 14911]

1. 5 7 2 [Option ID = 29644] 2. 9 2 5 [Option ID = 29643] 3. 5 3 1 [Option ID = 29641] 4. 2 7 3 [Option ID = 29642]

Correct Answer :-

• 5 3 1 [Option ID = 29641]

Topic:- DU_J19_JAT01_T5

1) Read the information given below and answer the question that follows:

Seven students A, B, C, D, E, F and G reach college in a particular sequence. F reaches immediately before A but not after D. C is the last one to reach office. E follows immediately after A and is subsequently followed by G. B does not arrive after F.

Who is the second last person to reach office? [Question ID = 14915]

D [Option ID = 29659]
 B [Option ID = 29660]
 C [Option ID = 29658]
 A [Option ID = 29657]

Correct Answer :-

• A [Option ID = 29657]

2) Read the information given below and answer the question that follows:

Seven students A, B, C, D, E, F and G reach college in a particular sequence. F reaches immediately before A but not after D. C is the last one to reach office. E follows immediately after A and is subsequently followed by G. B does not arrive after F.

Who arrives immediately after person G? [Question ID = 14917]

1. D [Option ID = 29666] 2. F [Option ID = 29668] 3. C [Option ID = 29665] 4. A [Option ID = 29667]

Correct Answer :-

• C [Option ID = 29665]

3) Read the information given below and answer the question that follows:

Seven students A, B, C, D, E, F and G reach college in a particular sequence. F reaches immediately before A but not after D. C is the last one to reach office. E follows immediately after A and is subsequently followed by G. B does not arrive after F.

Who ranks second in the sequence of reaching office?

[Question ID = 14916]

- 1. G [Option ID = 29662]
- 2. E [Option ID = 29663]
- 3. F [Option ID = 29661]
- 4. None of these [Option ID = 29664]

Correct Answer :-

• F [Option ID = 29661]