## GATE 2022 General Aptitude

## Q. 1 - Q. 5 Carry ONE mark each.

| Q. 1 | After playing________ hours of tennis, I am feeling ____ tired to walk <br> back. |
| ---: | :--- |
| (A) | too / too |
| (B) | too / two |
| (C) | two / two |
| (D) | two / too |


| Q. 2 | The average of the monthly salaries of $\mathrm{M}, \mathrm{N}$ and S is ₹ 4000. The average of the <br> monthly salaries of $\mathrm{N}, \mathrm{S}$ and P is ₹ 5000. The monthly salary of P is ₹ 6000. <br> What is the monthly salary of M as a percentage of the monthly salary of P ? |
| :--- | :--- |
| (A) | $50 \%$ |
| (B) | $75 \%$ |
| (C) | $100 \%$ |
| (D) | $125 \%$ |


| Q.3 | A person travelled 80 km in 6 hours. If the person travelled the first part with a <br> uniform speed of 10 kmph and the remaining part with a uniform speed of 18 <br> kmph. <br> What percentage of the total distance is travelled at a uniform speed <br> of $10 \mathrm{kmph} ?$ |
| ---: | :--- |
| (A) | 28.25 |
| (B) | 37.25 |
| (C) | 43.75 |
| (D) | 50.00 |


| Q.4 | Four girls P, Q, R and S are studying languages in a University. P is learning <br> French and Dutch. Q is learning Chinese and Japanese. R is learning Spanish <br> and French. S is learning Dutch and Japanese. <br> Given that: French is easier than Dutch; Chinese is harder than Japanese; Dutch <br> is easier than Japanese, and Spanish is easier than French. <br> Based on the above information, which girl is learning the most difficult pair of <br> languages? |
| ---: | :--- |
| (A) | P |
| (B) | Q |
| (C) | R |
| (D) | S |


| Q. 5 | A block with a trapezoidal cross-section is placed over a block with rectangular cross section as shown above. <br> Which one of the following is the correct drawing of the view of the 3D object as viewed in the direction indicated by an arrow in the above figure? |
| :---: | :---: |
| (A) |  |
| (B) |  |
| (C) |  |
| (D) |  |

## Q. 6 - Q. 10 Carry TWO marks each.

\(\left.$$
\begin{array}{|r|l|}\hline \text { Q.6 } & \begin{array}{l}\text { Humans are naturally compassionate and honest. In a study using strategically } \\
\text { placed wallets that appear "lost", it was found that wallets with money are more } \\
\text { likely to be returned than wallets without money. Similarly, wallets that had a key } \\
\text { and money are more likely to be returned than wallets with the same amount of } \\
\text { money alone. This suggests that the primary reason for this behavior is } \\
\text { compassion and empathy. }\end{array}
$$ <br>
Which one of the following is the CORRECT logical inference based on the <br>

information in the above passage?\end{array}\right\}\)| (A) | Wallets with a key are more likely to be returned because people do not care <br> about money |
| :--- | :--- |
| (B) | Wallets with a key are more likely to be returned because people relate to <br> suffering of others |
| (C) | Wallets used in experiments are more likely to be returned than wallets that are <br> really lost |
| (D) | Money is always more important than keys |


| Q.7 | A rhombus is formed by joining the midpoints of the sides of a unit square. <br> What is the diameter of the largest circle that can be inscribed within the <br> rhombus? |
| :--- | :--- |
| (A) | $\frac{1}{\sqrt{2}}$ |
| (B) | $\frac{1}{2 \sqrt{2}}$ |
| (C) | $\sqrt{2}$ |
| (D) | $2 \sqrt{2}$ |


| Q. 8 | An equilateral triangle, a square and a circle have equal areas. |
| :--- | :--- |
| What is the ratio of the perimeters of the equilateral triangle to square to circle? |  |
| (A) | $3 \sqrt{3}: 2: \sqrt{\pi}$ |
| (B) | $\sqrt{(3 \sqrt{3})}: 2: \sqrt{\pi}$ |
| (C) | $\sqrt{(3 \sqrt{3})}: 4: 2 \sqrt{\pi}$ |
| (D) | $\sqrt{(3 \sqrt{3})}: 2: 2 \sqrt{\pi}$ |


| Q.9 | Given below are three conclusions drawn based on the following three <br> statements. <br> Statement 1: All teachers are professors. <br> Statement 2: No professor is a male. <br> Statement 3: Some males are engineers. |
| :--- | :--- |
| Conclusion I: No engineer is a professor. |  |
| Conclusion II: Some engineers are professors. |  |
| Conclusion III: No male is a teacher. |  |
| (A) | Which one of the following options can be logically inferred? |
| (B) | Only conclusion I and conclusion II are correct |
| (C) | Only conclusion II and conclusion III are correct |
|  | Only conclusion I and conclusion III are correct |


| Q.10 | In a 12-hour clock that runs correctly, how many times do the second, minute, <br> and hour hands of the clock coincide, in a 12-hour duration from 3 PM in a day <br> to 3 AM the next day? |
| ---: | :--- |
| (A) | 11 |
| (B) | 12 |
| (C) | 144 |
| (D) | 2 |

PART A: Common FOR ALL CANDIDATES
Q. 11 - Q . 28 Carry ONE mark Each

| Q.11 | The concentric circles in a sun-path diagram represent |
| :--- | :--- |
| (A) | Altitude angle |
| (B) | Azimuth angle |
| (C) | Day of the year |
| (D) | Hour of the day |
| Q.12 | The operational guidelines on Credit Linked Subsidy Scheme for Economically <br>  <br> Urban Poverty Alleviation, Government of India, defines EWS households as those <br> having an annual income up to <br> (indian Rupees). |
| (D) | $3,50,000$ |
| (A) | $2,00,000$ |
| (B) | $2,50,000$ |
|  | (D,00,000 |


| Q.13 | Which of the following is a Vector Graphics Software? |
| :--- | :--- |
| (A) | Inkscape |
| (B) | Odeon |
| (C) | Adobe Dreamweaver |
| (D) | DesignBuilder |
| Q.14 | The main cable of a suspension bridge supports the deck with hangars. These <br> hangars are equidistant along the length of the bridge and represent a uniformly <br> distributed load. Assuming the cable to be weightless as compared to the applied <br> loading, the best approximation of the shape that the cable takes for this loading is <br> a |
| (D) | Hyperbolic curve |
| (B) | Circular arc |
| (A) | Catenary curve |
| (Balic curve |  |


| Q.15 | Arrange the following road types in descending order of accessibility. <br> (P) Arterial Road <br> (Q) Expressway <br> (R) Collector Road <br> (S) Local Street |
| :--- | :--- |
| (A) | Q-P-R-S |
| (B) | S-R-P-Q |
| (C) | S-P-R-Q |
| (D) | P-Q-S-R |
|  |  |


| Q. 16 | The following two-dimensional visual composition represents |
| :---: | :---: |
|  |  |
| (A) | Interlocking |
| (B) | Intersecting |
| (C) | Interlacing |
| (D) | Interpenetrating |
| Q. 17 | The Golden Ratio refers to |
| (A) | $1: \sqrt{2}$ |
| (B) | $2:(1+\sqrt{5})$ |
| (C) | 1:1 |
| (D) | 16:9 |
|  |  |


| Q.18 | Hogarth's Line of Beauty is a |
| :--- | :--- |
|  |  |
| (A) | Horizontal straight line |
| (B) | Zigzag line |
| (C) | Vertical straight line |
| (D) | Serpentine line |
| Q.19 | Which of the following sites were added to Ramsar List in the year 2020? |
| (A) | Ashtamudi Wetland |
| (B) | Asan Conservation Reserve |
| (C) | Chilika Lake |
| (Donar Lake |  |
|  |  |


| Q.20 | Which of the following help(s) in keeping direct solar radiation out of the building? |
| :--- | :--- |
| (A) | Mashrabiya |
| (B) | Badgir |
| (C) | Malquf |
| (D) | Chajja |
| Q.21 | As per the Handbook of Professional Documents 2015, Council of Architecture, <br> India, architects are liable <br> (D) <br> (A) |
| If the building is used for any other purpose than the one for which it was designed |  |
| (B) | If any une antect fails to attain the standard of care as prescribed by law <br> owner(s)/occupant(s) |
| (Dhanges or illegal modifications are made by the |  |
|  |  |


| Q.22 | As per the United Nations Transforming our world: The 2030 agenda for <br> sustainable development, 2015, which of the following Sustainable Development <br> Goals (SDGs) directly address water related issues? |
| :--- | :--- |
| (A) | SDG-1 |
| (B) | SDG-4 |
| (C) | SDG-6 |
| (D) | SDG-14 |
| Q.23 | For a masonry section, the line of action of force shifts to incorporate the effects of <br> lateral forces and induced moments. Consider a masonry section of width 600 mm. <br> Assuming a zero tensile stress capacity and a linear stress-strain response for the <br> entire domain of loading, the minimum value of eccentricity at which the section <br> will crack (in mm, rounded off to one decimal place) is <br> Q.24 <br> The maximum and minimum indoor dry bulb temperature of a room are $38{ }^{\circ} \mathrm{C}$ and <br> $34{ }^{\circ} \mathrm{C}$, respectively. If the corresponding outdoor maximum and minimum dry bulb <br> temperature are $42{ }^{\circ} \mathrm{C}$ and $30{ }^{\circ} \mathrm{C}$, respectively, then the thermal damping of the <br> room (in percentage, rounded off to two decimal places) is |
|  | A building site measures 96 sq.cm on a scale of 1:12500. The actual area it <br> represents (in hectare, in integer) is |


| Q. 26 | An off-street car parking lot contains a total of 75 bays. If the parking lot was used by 687 cars over a period of 12 hours, the average parking turn-over of the parking lot (in vehicles per hour per bay, rounded off to two decimal places) is $\qquad$ - |
| :---: | :---: |
|  |  |
| Q. 27 | The hydraulic radius of the following rectangular open drainage section (in mm , rounded off to two decimal places) is $\qquad$ -. |
|  |  |
| Q. 28 | A town with 0.45 million population sends its entire organic waste to a composting site on a daily basis through a truck of 15 ton carrying capacity. Assume total waste generated per capita per day is 0.21 kg and $40 \%$ of the total waste is organic waste. The minimum number of weekly round trips required by the truck (in integer) will be $\qquad$ |

Q. 29 - Q . 49 Carry TWO marks Each

| Q.29 | The correct sequence of the following Construction Project Development stages, as <br> per the National Building Code of India 2016 is <br> (P) Resource Planning <br> (Q) Project Inception <br> (R) Commissioning and Handing over <br> (S) Tendering <br> (T) Site Survey and Soil Investigation <br> (U) Selection of Construction Methodology |
| :--- | :--- |
| (A) | P-Q-R-T-U-S |
| (B) | T-Q-R-U-S-P |
| (C) | Q-T-U-P-S-R |
| (D) | Q-T-P-S-U-R |
|  |  |



| Q. 31 | Match the States in Group I with the corresponding Vernacular Building Typologies in Group II |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Group I |  | Group II |  |
|  | (P) | Kerala | (1) | Morung |  |
|  | (Q) | Jharkhand | (2) | Pol |  |
|  | (R) | Nagaland | (3) | Dhumkuria |  |
|  | (S) | Gujarat | (4) | Nalukettu |  |
|  |  |  | (5) | Ghotul |  |
| (A) | P-4, Q-5, R-3, S-2 |  |  |  |  |
| (B) | P-5, Q-1, R-2, S-4 |  |  |  |  |
| (C) | P-5, Q-3, R-1, S-4 |  |  |  |  |
| (D) | P-4, Q-3, R-1, S-2 |  |  |  |  |
|  |  |  |  |  |  |





| Q. 35 | In the following sketch, $\mathbf{P}, \mathbf{Q}, \mathbf{R}$, and $\mathbf{S}$ refer to elements of an urban space. <br> Identify $\mathbf{P}, \mathbf{Q}, \mathbf{R}, \mathbf{S}$. |
| :--- | :--- |
| (A) |  |
| (A) |  |
| (B-Path, $\mathbf{Q}$-Vista, $\mathbf{R}$ - Edge, $\mathbf{S}$-Landmark |  |





| Q.39 | In traditional Persian context, qanat system refers to |
| :--- | :--- |
| (A) | An underground water-way, tunnelled and channelled |
| (B) | A system where water is raised by a series of scoops fixed to a moving belt <br> stretched between two wheels |
| (C) | A method of conducting water from a source-well rather than raising it |
| (D) | A system where water is conducted from enclosure to enclosure by straightforward <br> gravity fall |
| Q.40 | Which of the following is/are classified as the Principles of Universal Design? |
| (A) | Perceptible Information |
| (B) | Tolerance for Error |
| (C) | Occult Balance |
| (Dimle and Intuitive Use |  |
|  |  |


| Q.41 | As per the URDPFI Guidelines 2015, which of the following Organoleptic and <br> Physical parameters comply with the acceptable limit requirements of drinking water <br> quality? |
| :--- | :--- |
| (A) | Colour: Maximum 5 Hazen units |
| (B) | Turbidity: Maximum 1 NTU |
| (C) | pH Value: Minimum 10 |
| (D) | Total Dissolved Solids: Maximum $500 \mathrm{mg} / 1$ |
|  |  |


| Q.42 | In an ideal air-conditioning cycle shown below, which of the following statement(s) <br> is/are true in the segments $\mathbf{P}, \mathbf{Q}, \mathbf{R}, \mathbf{S}$ ? |
| :--- | :--- |
| (A) | P: Vapour at low pressure |
| (B) | $\mathbf{Q : \text { Vapour at low pressure }}$ |
| (to Room |  |
| (C) | $\mathbf{R}$ : Liquid at high pressure |
| (D) Liquid-Vapour mixture at low pressure |  |
|  |  |


| Q.43 | Which of the following is/are the characteristic(s) of a Mughal Garden? |
| :--- | :--- |
| (A) | Symmetrical and geometrical |
| (B) | Fountain and channelled water |
| (C) | Winding road and untrimmed vegetation |
| (D) | Vista with terminal building |
| Q.44 | As per the Central Pollution Control Board's National Air Quality Index (AQI) of <br> India 2014, which of the following statement(s) is/are true? |
| (A) | AQI is computed considering 8-hourly value of CO |
| (B) | AQI is computed considering 2-hourly value of PM2.5 |
| (C) | AQI considers the O3 concentrations |
| AQI considers the CO 2 concentrations |  |
|  |  |



| Q. 48 | The reflected ceiling plan and section of a reinforced cement concrete roof are shown in the following Figure. All the beams are 300 mm wide, 600 mm deep (including 150 mm slab) equidistantly placed center to center. Assuming 1\% of concrete volume is occupied by reinforcement bars, the volume of concrete (in cubic meters, rounded off to two decimal places) is $\qquad$ . |
| :---: | :---: |
|  |  |
|  |  |


| Q.49 | The following graph represents the income distribution among the population of a <br> country. The Gini Coefficient of the country (rounded off to three decimal places) is |
| :--- | :--- |

PART B1: FOR Architecture CANDIDATES ONLY
Q. 50 - Q. 56 Carry ONE mark Each

| Q.50 | Which of the following processes is used for surface treatment of metals? |
| :--- | :--- |
| (A) | Soldering |
| (B) | Thermoplating |
| (C) | Extrusion |
| (D) | Riveting |
| Q.51 | Among the following monuments of ancient Greece, the only Octastyle Peripteral <br> temple with eight towering Doric columns lining both east and west facades is |
| (D) | Temple of Horus <br> (B) |
| Temple of Athena |  |
| Temple of Apollo |  |
| (B) |  |


| Q. 52 | An Ultrasonic Pulse Velocity (UPV) test using a direct transmission method as p distance between the transducer and rece induced wave to travel this distance is me following Table, the concrete quality gra | done on a hardened concrete element IS 516 (Part 5/Section 1): 2018. The was 600 mm . The time taken for the red as 0.18 milliseconds. Based on the is $\qquad$ |
| :---: | :---: | :---: |
|  |  |  |
| (A) | Excellent |  |
| (B) | Good |  |
| (C) | Doubtful |  |
| (D) | Poor |  |
| Q. 53 | Which of the following is/are example(s) of Tomb Architecture of Ancient Egypt? |  |
| (A) | Step Pyramid of Zoser, Sakkara |  |
| (B) | Great Temple of Abu-Simbel |  |
| (C) | Temple of Khons, Karnak |  |
| (D) | Mastabas of Gizeh |  |


| Q. 54 | If Aluminium : Anodisation $::$ Glazing : X, which of the following choices represent X ? |
| :---: | :---: |
| (A) | Hard coating |
| (B) | External cement plastering |
| (C) | Tempering |
| (D) | Free-standing vertical greening |
| Q. 55 | A blackbody radiant heating panel of $5 \mathrm{~m}^{2}$ surface area at $35^{\circ} \mathrm{C}$ surface temperature is located 1 m away from a $1 \mathrm{~m}^{2}$ surface at $20^{\circ} \mathrm{C}$. The Stefan-Boltzmann constant is $5.6703 \times 10^{-8} \mathrm{~W} \mathrm{~m}^{-2} \mathrm{~K}^{-4}$. The rate of radiant heat emission by the radiant heating panel (in W, rounded off to two decimal places) is $\qquad$ . |
| Q. 56 | A hypothetical truss comprising of weightless members is shown in the following Figure. Assuming tension to be positive and compression to be negative, the value of force in member TU (in kN , rounded off to one decimal place) is |
|  |  |

Q. 47 - Q . 55 Carry TWO marks Each

| Q.47 | Match the illustrations of Arch Types in Group I with their corresponding names <br> in Group II. |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | (P) |





|  |  |
| :--- | :--- |
| Q.62 | Which of the following factors impact Daylight Autonomy of a built space? |
| (A) | Orientation of building |
| (B) | Glare caused by daylight |
| (D) | Latitude and longitude of building location <br> Fenestration size <br> For the beam shown in the following Figure, assuming a sagging moment <br> (generating tensile stresses at the bottom fibre) as positive and a hogging moment <br> (generating tensile stresses at the top fibre) as negative, the bending moment (in <br> kN.m, rounded off to one decimal place) at section X-X is |



GATE

PART B2: FOR Planning CANDIDATES ONLY
Q. 66 - Q. 72 Carry ONE mark Each

| Q.66 | Which of the following is the National Electronic Toll Collection System <br> implemented by the National Payment Corporation of India? |
| :--- | :--- |
| (A) | e-Pass |
| (B) | E-ZPass |
| (C) | HashTag |
| (D) | FASTag |
|  |  |


| Q. 67 | The shaded area in the following demand-supply graph is known as |
| :--- | :--- |
|  |  |
| (A) | Consumer Surplus |
| (B) | Consumer Deficit |
| (D) | Producer Surplus |
|  |  |

Q.68

| Q.69 | Which of the following is/are Value Capture Method(s)? |
| :--- | :--- |
|  |  |
| (A) | Building construction fees |
| (B) | Fees for changing agricultural to non-agricultural land use |
| (C) | User charge |
| (D) | Premium on additional FSI/FAR |
| Q.70 | Which among the following is/are model(s) of Public-Private Partnership (PPP) <br> used for infrastructure projects? |
| Q. 71 | The measured spot speeds (in km/h) of 10 vehicles from a traffic stream are 45, 35, <br> 25, 51, 45, 38, 61, 42, 47, and 49. The Time Mean Speed of the traffic stream (in <br> km/h, rounded off to one decimal place) is <br> (A) <br> BOLD <br> (B) <br> BOLT <br> (D) <br> BOOT <br> BPOT |

Q. 72 In a township, the price of each house was $25,00,000$ (in Indian Rupees) last month. The number of houses sold in a month ( Q in thousands) is sensitive to the price of the house ( P in Indian Rupees) and establishes a relationship as $\mathrm{Q}=6685-0.00158 \mathrm{P}$. If the price of each house increases by $20 \%$ in the current month, then the decrease in sale of the houses (in percentage, rounded off to two decimal places) compared to last month will be $\qquad$ .
Q. 73 - Q. 81 Carry TWO marks Each


| Q. 74 | Match the proponents in Group I with the corresponding theories in Group II. |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Group I |  | Group II |
|  | (P) | James Q Wilson and George K. Kelling | (1) | Creative Class |
|  | (Q) | Sherry Arnstein | (2) | Right to City |
|  | (R) | Henry Lefebvre | (3) | Drive-in Culture |
|  | (S) | Richard Florida | (4) | Ladder of Citizen Participation |
|  |  |  | (5) | Broken Window |
| (A) | P-2, Q-4, R-3, S-5 |  |  |  |
| (B) | P-4, Q-2, R-5, S-1 |  |  |  |
| (C) | P-5, Q-4, R-2, S-1 |  |  |  |
| (D) | P-3, Q-5, R-2, S-4 |  |  |  |
|  |  |  |  |  |



| Q.76 | In the conceptual diagram of the city given below, $\mathbf{P}, \mathbf{Q}, \mathbf{R}$, and $\mathbf{S}$ refer to urban <br> patterns. Among the choices given below, the correct association is |
| :--- | :--- |
| (A) | P-Satellite town, Q-Urban fringe, R-TOD, S-Central Business District |
| (B) | P-Central Business District, Q-Satellite town, R-TOD, S-Urban fringe |
| (C) | P-Urban fringe, Q-TOD, R-Satellite town, S-Central Business District |
| (D) | P-Satellite town, Q-Central Business District, R-TOD, S-Urban fringe |


| Q.77 | Which among the following is/are the component(s) of the assimilative carrying <br> capacity of urban environment? |
| :--- | :--- |
| (A) | Air |
| (B) | Water |
| (C) | Economy |
| (D) | Soil |
| Q. 78 | In the transportation network given below, $\mathbf{P}, \mathbf{Q}, \mathbf{R}, \mathbf{S}, \mathbf{T}$, and $\mathbf{U}$ are the nodes and <br> values mentioned on the links denote time in minutes. Which of the following <br> options represent the minimum spanning tree? |
| (D) | PQ, QR, RS, ST, TU |
| (A) | PQ, QR, QT, TS, SU |
| (B) | $\mathbf{P R , ~ Q R , ~ R T , ~ T U , ~ S U ~}$ |



| Q. 81 | The year-wise cash flows (in Indian Rupees) of a construction project are given in the following Table. If the annual discount rate for the project is assumed to be $12 \%$, the Net Present Value (in Indian Rupees, rounded off to two decimal places) for the project will be $\qquad$ -. |  |  |
| :---: | :---: | :---: | :---: |
|  | Year | Annual Cash Outflow | Annual Cash Inflow |
|  | 0 | 5,00,000 | 0 |
|  | 1 | 0 | 0 |
|  | 2 | 0 | 0 |
|  | 3 | 50,000 | 1,80,000 |
|  | 4 | 50,000 | 2,20,000 |
|  | 5 | 50,000 | 2,90,000 |
|  | 6 | 0 | 3,30,000 |


| Q. No. | Session | Question Type | Subject Name | Key/Range | Mark |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 7 | MCQ | GA | D | 1 |
| 2 | 7 | MCQ | GA | A | 1 |
| 3 | 7 | MCQ | GA | C | 1 |
| 4 | 7 | MCQ | GA | B | 1 |
| 5 | 7 | MCQ | GA | A | 1 |
| 6 | 7 | MCQ | GA | B | 2 |
| 7 | 7 | MCQ | GA | A | 2 |
| 8 | 7 | MCQ | GA | B | 2 |
| 9 | 7 | MCQ | GA | A | 2 |
| 10 | 7 | MCQ | GA | MTA | 2 |
| 11 | 7 | MCQ | AR | A | 1 |
| 12 | 7 | MCQ | AR | C | 1 |
| 13 | 7 | MCQ | AR | A | 1 |
| 14 | 7 | MCQ | AR | C | 1 |
| 15 | 7 | MCQ | AR | B | 1 |
| 16 | 7 | MCQ | AR | C | 1 |
| 17 | 7 | MCQ | AR | B | 1 |
| 18 | 7 | MCQ | AR | D | 1 |
| 19 | 7 | MSQ | AR | B, D | 1 |
| 20 | 7 | MSQ | AR | A, D | 1 |
| 21 | 7 | MSQ | AR | C, D | 1 |
| 22 | 7 | MSQ | AR | C,D | 1 |
| 23 | 7 | NAT | AR | 97.0 to 103.0 | 1 |
| 24 | 7 | NAT | AR | 66.00 to 67.00 | 1 |
| 25 | 7 | NAT | AR | 150 to 150 | 1 |
| 26 | 7 | NAT | AR | 0.76 to 0.77 | 1 |
| 27 | 7 | NAT | AR | 135.00 to 138.00 | 1 |
| 28 | 7 | NAT | AR | 21 to 21 | 1 |
| 29 | 7 | MCQ | AR | C | 2 |
| 30 | 7 | MCQ | AR | D | 2 |
| 31 | 7 | MCQ | AR | D | 2 |
| 32 | 7 | MCQ | AR | C | 2 |
| 33 | 7 | MCQ | AR | B | 2 |
| 34 | 7 | MCQ | AR | B | 2 |
| 35 | 7 | MCQ | AR | D | 2 |
| 36 | 7 | MCQ | AR | B | 2 |
| 37 | 7 | MCQ | AR | D | 2 |
| 38 | 7 | MCQ | AR | B | 2 |
| 39 | 7 | MSQ | AR | A, C, D | 2 |
| 40 | 7 | MSQ | AR | A, B, D | 2 |
| 41 | 7 | MSQ | AR | A, B, D | 2 |
| 42 | 7 | MSQ | AR | A, C, D | 2 |
| 43 | 7 | MSQ | AR | A, B, D | 2 |
| 44 | 7 | MSQ | AR | A, C | 2 |


| 45 | 7 | NAT | AR | 53.00 to 56.00 | 2 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 46 | 7 | NAT | AR | 6 to 6 | 2 |
| 47 | 7 | NAT | AR | 3400 to 3500 | 2 |
| 48 | 7 | NAT | AR | 24.50 to 25.30 | 2 |
| 49 | 7 | NAT | AR | 0.240 to 0.270 | 2 |
| 50 | 7 | MCQ | AR | B | 1 |
| 51 | 7 | MCQ | AR | C | 1 |
| 52 | 7 | MCQ | AR | C | 1 |
| 53 | 7 | MSQ | AR | A, D | 1 |
| 54 | 7 | MSQ | AR | A, C | 1 |
| 55 | 7 | NAT | AR | 2550.00 to 2560.00 | 1 |
| 56 | 7 | NAT | AR | 0.0 to 0.0 | 1 |
| 57 | 7 | MCQ | AR | B | 2 |
| 58 | 7 | MCQ | AR | A | 2 |
| 59 | 7 | MCQ | AR | D | 2 |
| 60 | 7 | MCQ | AR | A | 2 |
| 61 | 7 | MSQ | AR | B,C,D | 2 |
| 62 | 7 | MSQ | AR | A, C, D | 2 |
| 63 | 7 | NAT | AR | -20.0 to -20.0 | 2 |
| 64 | 7 | NAT | AR | 0.60 to 0.65 | 2 |
| 65 | 7 | NAT | AR | -2.20 to -1.50 OR 1.50 to 2.20 | 2 |
| 66 | 7 | MCQ | AR | D | 1 |
| 67 | 7 | MCQ | AR | A | 1 |
| 68 | 7 | MCQ | AR | C | 1 |
| 69 | 7 | MSQ | AR | B, D | 1 |
| 70 | 7 | MSQ | AR | B, C | 1 |
| 71 | 7 | NAT | AR | 43.0 to 44.0 | 1 |
| 72 | 7 | NAT | AR | 27.00 to 30.00 | 1 |
| 73 | 7 | MCQ | AR | C | 2 |
| 74 | 7 | MCQ | AR | C | 2 |
| 75 | 7 | MCQ | AR | A | 2 |
| 76 | 7 | MCQ | AR | A | 2 |
| 77 | 7 | MSQ | AR | A, B, D | 2 |
| 78 | 7 | MSQ | AR | A, C | 2 |
| 79 | 7 | NAT | AR | 0.83 to 0.87 | 2 |
| 80 | 7 | NAT | AR | 118000 to 122000 | 2 |
| 81 | 7 | NAT | AR | 3800.00 to 5020.00 | 2 |

