

Exam Name : AEGCL_Junior Manager_Mechanical

Total Questions : 100

Description : **Important Examination Instructions**

1. Each question will carry 1 (One) Mark for correct answer.
2. There will be a negative marking of 0.25 (one-fourth) marks for wrong answer
3. Do not use the alt-tab, mouse or any other device to shift from examination screen to any other screen or do not try to open any other application while attempting the examination. Doing so may result in discontinuation of examination and your examination will be considered as null and void. **Attempting to close the browser repeatedly will lock the exam.**

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1. **How to start the test:** You can start the test by clicking the Declaration Check box and then 'I am ready to begin button ' .
 2. **How to change the question:** For the move to the next question you have to click on the 'Save And Next' button the same as for move to the back, click on the 'Previous' button.
 3. **How to answer a question:** You can select any answer by clicking on the button displayed just before the answers. You have to finally click the button - Save and Next - to save your answer and move to the next question. In Exam Sections, the Red Circle corresponding to this question turns Green. You can go to any section / any question number by clicking the relevant control.
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| | | |
|--------------|--|-----------------------------|
| Q.1 | The coefficient of friction depends upon | Question ID: 1806 |
| Marks | 1 | |

| No | Options Details | Correct Option |
|----|-----------------------|----------------|
| 1 | Nature of surfaces | ✓ |
| 2 | Area of contact | |
| 3 | Shape of the surfaces | |
| 4 | Shape Factor | |

Q.2 If a number of forces act simultaneously on a particle, it is possible

Marks 1

Question ID:
1807

| No | Options Details | Correct Option |
|----|--|----------------|
| 1 | Not a replace them by a single force | |
| 2 | To replace them by a single force | ✓ |
| 3 | To replace them by a single force through C.G. | |
| 4 | To replace them by a couple | |

Q.3 Which of the following do not have identical dimensions?

Marks 1

Question ID:
1808

| No | Options Details | Correct Option |
|----|--|----------------|
| 1 | Momentum and impulse | |
| 2 | Moment of a force and angular momentum | ✓ |
| 3 | Torque and work | |
| 4 | Kinetic energy and potential energy | |

Q.4 Which of the following is not the unit of power?

Marks 1

Question ID:
1809

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | KW (kilowatt) | |
| 2 | Kcal/kg-sec | ✓ |
| 3 | Kcal/sec | |
| 4 | Kg-m/sec | |

Q.5 The forces, which meet at one point, but their lines of action do not lie in a plane, are called

Marks 1

Question ID:
1810

| No | Options Details | Correct Option |
|----|------------------------------------|----------------|
| 1 | Coplanar non-concurrent forces | |
| 2 | Intersecting forces | |
| 3 | Non-coplanar non-concurrent forces | |
| 4 | Non-coplanar concurrent forces | ✓ |

Q.6 A beam of uniform strength has

Marks 1

Question ID:
1811

| No | Options Details | Correct Option |
|----|--|----------------|
| 1 | Same cross-section throughout the beam | |
| 2 | Same bending stress at every section | ✓ |
| 3 | Same bending moment at every section | |
| 4 | Same shear stress at every section | |

Q.7 The extremities of any diameter on Mohr's circle represent

Marks 1

Question ID:
1812

| No | Options Details | Correct Option |
|----|---|----------------|
| 1 | Principal stresses | |
| 2 | Normal stresses on planes at 45° | ✓ |
| 3 | Shear stresses on planes at 45° | |
| 4 | Normal and shear stresses on a plane | |

Q.8 The strain energy stored in a spring, when subjected to maximum load, without suffering permanent distortion, is known as

Marks 1

Question ID:
1813

| No | Options Details | Correct Option |
|----|-----------------------|----------------|
| 1 | Proof stress | |
| 2 | Modulus of resilience | |
| 3 | Impact energy | |
| 4 | Proof resilience | ✓ |

Q.9 The ratio of change in volume to the original volume is called

Marks 1

Question ID:
1814

| No | Options Details | Correct Option |
|----|-------------------|----------------|
| 1 | Poisson's ratio | |
| 2 | Linear strain | |
| 3 | Volumetric strain | ✓ |
| 4 | Lateral strain | |

Q.10 When a cantilever beam is loaded at its free end, the maximum compressive stress shall develop at

Marks 1

Question ID:
1815

| No | Options Details | Correct Option |
|----|-------------------|----------------|
| 1 | Bottom fibre | ✓ |
| 2 | Top fibre | |
| 3 | Neutral axis | |
| 4 | Centre of gravity | |

Q.11 Super conduction by metals is observed in the temperature range of

Marks 1

Question ID:
1816

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Above 100°K | |
| 2 | Below 10°K | ✓ |
| 3 | Around 0°C | |
| 4 | Around 100°C | |

Q.12 The following types of materials are usually the most ductile

Marks 1

Question ID:
1817

| No | Options Details | Correct Option |
|----|----------------------------------|----------------|
| 1 | Body-centred cubic lattice | |
| 2 | Body -Face-centred cubic lattice | |
| 3 | Hexagonal close-packed lattice | |
| 4 | Face-centred cubic lattice | ✓ |

Q.13 Pure iron is the structure of

Marks 1

Question ID:
1818

| No | Options Details | Correct Option |
|----|-----------------------|----------------|
| 1 | Ferrite | ✓ |
| 2 | Anstenite | |
| 3 | Pearlite | |
| 4 | Ferrite and cementite | |

Q.14 The crystal structure of gamma iron is

Marks 1

Question ID:
1819

| No | Options Details | Correct Option |
|----|------------------------|----------------|
| 1 | Body centred cubic | |
| 2 | Orthorhombic crystal | |
| 3 | Face centred cubic | ✓ |
| 4 | Hexagonal close packed | |

Q.15 The percentage of carbon in pig iron varies from

Marks 1

Question ID:
1820

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | 4 to 4.5% | ✓ |
| 2 | 4.5 to 6.3% | |
| 3 | 2.5 to 4% | |
| 4 | 0.1 to 1.2% | |

Q.16 Gearbox is produced by

Marks 1

Question ID:
1821

| No | Options Details | Correct Option |
|----|---------------------------|----------------|
| 1 | Design by drawing | ✓ |
| 2 | Design by craft evolution | |
| 3 | Design synthesis | |
| 4 | Simultaneous design | |

Q.17 An open belt drive is used when

Marks 1

Question ID:
1822

| No | Options Details | Correct Option |
|----|--|----------------|
| 1 | Shafts are arranged parallel and rotate in the same directions | ✓ |
| 2 | Driven shaft is to be started or stopped whenever desired without interfering with the driving shaft | |
| 3 | Shafts are arranged at right angles and rotate in one definite direction | |
| 4 | Shafts are arranged parallel and rotate in the opposite directions | |

Q.18 The pipe joint mostly used for pipes carrying water at low pressures is

Marks 1

Question ID:
1823

| No | Options Details | Correct Option |
|----|-------------------------|----------------|
| 1 | Spigot and socket joint | |
| 2 | Union joint | |
| 3 | Nipple joint | |
| 4 | Socket joint | ✓ |

Q.19 Surface endurance limit of gear material is dependent upon its

Marks 1

Question ID:
1824

| No | Options Details | Correct Option |
|----|-------------------------|----------------|
| 1 | Brinell hardness number | ✓ |
| 2 | Toughness | |
| 3 | Yield strength | |
| 4 | Elastic strength | |

Q.20 The resistance to fatigue of a material is measured by

Marks 1

Question ID:
1825

| No | Options Details | Correct Option |
|----|---------------------------|----------------|
| 1 | Endurance limit | ✓ |
| 2 | Ultimate tensile strength | |
| 3 | Young's modulus | |
| 4 | Elastic limit | |

Q.21 Low specific speed of turbine implies it is

Marks 1

Question ID:
1826

| No | Options Details | Correct Option |
|----|-------------------|----------------|
| 1 | Propeller turbine | |
| 2 | Francis turbine | |
| 3 | Impulse turbine | ✓ |
| 4 | Kalpan turbine | |

Q.22 The jet ratio is defined as the ratio of the

Marks 1

Question ID:
1827

| No | Options Details | Correct Option |
|----|---|----------------|
| 1 | Diameter of jet to the diameter of Pelton wheel | |
| 2 | Diameter of Pelton wheel to the diameter of jet | ✓ |
| 3 | Velocity of jet to the velocity of Pelton wheel | |
| 4 | Velocity of Pelton wheel to the velocity of jet | |

Q.23 Maximum impulse will be developed in hydraulic ram when

Marks 1

Question ID:
1828

| No | Options Details | Correct Option |
|----|-----------------------------|----------------|
| 1 | Waste valve closes suddenly | ✓ |
| 2 | Supply pipe is short | |
| 3 | Supply pipe is long | |
| 4 | Ram chamber is large | |

Q.24 In a single casing, multistage pump running at constant speed, the capacity rating is to be slightly lowered. It can be done by

Marks 1

Question ID:
1829

| No | Options Details | Correct Option |
|----|--|----------------|
| 1 | Designing new impeller | |
| 2 | Trimming the impeller size to the required size by machining | ✓ |
| 3 | Not possible | |
| 4 | Some other alterations in the impeller | |

Q.25 A jet of water is striking at the centre of a curved vane moving with a uniform velocity in the direction of jet. For the maximum efficiency, the vane velocity is _____ of the jet velocity

Marks 1

Question ID:
1830

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | One-third | ✓ |
| 2 | One-half | |
| 3 | Two-third | |
| 4 | Three-fourth | |

Q.26 Kinematic similarity is said to exist between the model and the prototype, if both of them

Marks 1

Question ID:
1831

| No | Options Details | Correct Option |
|----|---|----------------|
| 1 | Are equal in size and shape | |
| 2 | Have identical velocities | ✓ |
| 3 | Are identical in shape, but differ only in size | |
| 4 | Have identical forces | |

Q.27 The flow ratio of Francis turbine is defined as the ratio of the

Marks 1

Question ID:
1832

| No | Options Details | Correct Option |
|----|--|----------------|
| 1 | Velocity of flow at inlet to the theoretical jet velocity | ✓ |
| 2 | Velocity of runner at inlet to the velocity of flow at inlet | |
| 3 | Theoretical velocity of jet to the velocity of flow at inlet | |
| 4 | Theoretical velocity of flow at inlet | |

Q.28 In one dimensional flow, the flow

Marks 1

Question ID:
1833

| No | Options Details | Correct Option |
|----|------------------------------|----------------|
| 1 | Is steady and uniform | |
| 2 | Takes place in curve | |
| 3 | Takes place in straight line | ✓ |
| 4 | Takes place in one direction | |

Q.29 The kinematic viscosity is the

Marks 1

Question ID:
1834

| No | Options Details | Correct Option |
|----|--|----------------|
| 1 | Ratio of density of the liquid to the absolute viscosity | |
| 2 | Product of absolute viscosity and density of the liquid | |
| 3 | Ratio of absolute viscosity to the density of the liquid | ✓ |
| 4 | Product of absolute viscosity and mass of the liquid | |

Q.30

The discharge over a right angled notch is (where H = Height of liquid above the apex of notch)

(A) $\frac{8}{15} C_d 2g \times H$

(B) $\frac{8}{15} C_d 2g \times H^2$

(C) $\frac{8}{15} C_d 2g \times H^{3/2}$

(D) $\frac{8}{15} C_d 2g \times H^{5/2}$

Marks 1

Question ID:
1835

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | |
| 2 | B | |
| 3 | C | |
| 4 | D | ✓ |

Q.31

According to equation of continuity,

(A) $w_1 a_1 = w_2 a_2$

(B) $a_1 v_1 = a_2 v_2$

(C) $w_1 v_1 = w_2 v_2$

(D) $a_1 / v_1 = a_2 / v_2$

Marks 1

Question ID:
1836

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | |
| 2 | B | ✓ |
| 3 | C | |
| 4 | D | |

Q.32

Euler's equation in the differential form for the motion of liquids is given by

(A) $\frac{dp}{\rho} + g \cdot dz + v \cdot dv = 0$

(B) $\frac{dp}{\rho} - g \cdot dz + v \cdot dv = 0$

(C) $\rho \cdot dp + g \cdot dz + v \cdot dv = 0$

(D) $\rho \cdot dp - g \cdot dz + v \cdot dv = 0$

Marks 1

Question ID:
1837

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | ✓ |
| 2 | B | |
| 3 | C | |
| 4 | D | |

Q.33 A mechanism is an assemblage of

Marks 1

Question ID:
1838

| No | Options Details | Correct Option |
|----|------------------------------------|----------------|
| 1 | One link | |
| 2 | Two links | |
| 3 | Three links | |
| 4 | Four links or more than four links | ✓ |

Q.34 The number of links in pantograph mechanism is equal to

Marks 1

Question ID:
1839

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | 2 | |
| 2 | 3 | |
| 3 | 4 | ✓ |
| 4 | 5 | |

Q.35 Elements of pairs held together mechanically is known as

Marks 1

Question ID:
1840

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Closed pair | ✓ |
| 2 | Mechanical pair | |
| 3 | Open pair | |
| 4 | Rolling pair | |

Q.36 A foot step bearing and rotor of a vertical turbine form examples of

Marks 1

Question ID:
1841

| No | Options Details | Correct Option |
|----|---------------------------------|----------------|
| 1 | Incompletely constrained motion | |
| 2 | Partially constrained motion | ✓ |
| 3 | Completely constrained motion | |
| 4 | Successfully constrained motion | |

Q.37 The instantaneous centers which vary with the configuration of mechanism are called

Marks 1

Question ID:
1842

| No | Options Details | Correct Option |
|----|---|----------------|
| 1 | Permanent instantaneous centers | |
| 2 | Fixed instantaneous centers | |
| 3 | Neither fixed nor permanent instantaneous centers | ✓ |
| 4 | Motion instantaneous centers | |

Q.38 The unbalanced primary forces in a reciprocating engine are

Marks 1

Question ID:
1843

| No | Options Details | Correct Option |
|----|------------------------------|----------------|
| 1 | Balanced completely | |
| 2 | Balanced partially | ✓ |
| 3 | Balanced by secondary forces | |
| 4 | Not balanced | |

Q.39 In automobiles the power is transmitted from gear box to differential through

Marks 1

Question ID:
1844

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Bevel gear | |
| 2 | Hooke's joint | ✓ |
| 3 | Universal joint | |
| 4 | Knuckle joint | |

Q.40 The Ackermann steering mechanism is preferred to the Davis type in automobiles because

Marks 1

Question ID:
1845

| No | Options Details | Correct Option |
|----|---------------------------------------|----------------|
| 1 | The former is mathematically accurate | |
| 2 | The former is most economical | |
| 3 | The former is having turning pair | ✓ |
| 4 | The former is most rigid | |

Q.41 Diesel cycle consists of ——— processes.

Marks 1

Question ID:
1846

| No | Options Details | Correct Option |
|----|---|----------------|
| 1 | Two constant volume and two isentropic processes | |
| 2 | Two constant pressure and two isentropic processes | |
| 3 | Two constant pressure, one constant volume and two isentropic | |
| 4 | One constant pressure, one constant volume and two isentropic | ✓ |

Q.42 The efficiency of Diesel cycle depends upon

Marks 1

Question ID:
1847

| No | Options Details | Correct Option |
|----|-------------------------------------|----------------|
| 1 | Temperature limits | |
| 2 | Pressure ratio | |
| 3 | Compression ratio | |
| 4 | Cut off ratio and compression ratio | ✓ |

Q.43 Which of the following has the highest calorific value?

Marks 1

Question ID:
1848

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Peat | |
| 2 | Lignite | |
| 3 | Bituminous coal | |
| 4 | Anthracite coal | ✓ |

Q.44 If the temperature of intake air in internal combustion engine increases, then its efficiency will

Marks 1

Question ID:
1849

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Remain same | |
| 2 | Zero | |
| 3 | Decrease | ✓ |
| 4 | Increase | |

Q.45 In an internal combustion engine, the process of removing the burnt gases from the combustion chamber of the engine cylinder is known as

Marks 1

Question ID:
1850

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Scavenging | ✓ |
| 2 | Detonation | |
| 3 | Supercharging | |
| 4 | Polymerization | |

Q.46 Supercharging is the process of supplying the intake air to the engine cylinder at a density ——— the density of the surrounding atmosphere.

Marks 1

Question ID:
1851

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Remains same | |
| 2 | Less than | |
| 3 | Equal to | |
| 4 | Greater than | ✓ |

Q.47 A diesel engine is ——— as compared to petrol engine, both running at rated load.

Marks 1

Question ID:
1852

| No | Options Details | Correct Option |
|----|-------------------|----------------|
| 1 | Equally efficient | |
| 2 | Zero efficient | |
| 3 | Less efficient | |
| 4 | More efficient | ✓ |

Q.48 The spark ignition engines are governed by

Marks 1

Question ID:
1853

| No | Options Details | Correct Option |
|----|--------------------------|----------------|
| 1 | Hit and miss governing | |
| 2 | Quantitative governing | ✓ |
| 3 | Qualitative governing | |
| 4 | Combination of (B) and © | |

Q.49 The air - fuel ratio of the petrol engine is controlled by

Marks 1

Question ID:
1854

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Carburettor | ✓ |
| 2 | Governor | |
| 3 | Injector | |
| 4 | Pipe line | |

Q.50 The loud pulsating noise heard within the cylinder of an internal combustion engine is known as

Marks 1

Question ID:
1855

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Detonation | ✓ |
| 2 | Turbulence | |
| 3 | Pre - ignition | |
| 4 | Supercharging | |

Q.51 Fixtures are used

Marks 1

Question ID:
1856

| No | Options Details | Correct Option |
|----|---|----------------|
| 1 | For holding and guiding the tool in drilling, reaming or tapping operations | |
| 2 | For holding the work in milling, grinding, planning or turning operations | ✓ |
| 3 | To check the accuracy of workpiece | |
| 4 | For holding and guiding the tool in the accuracy of workpiece | |

Q.52 The mathematical technique for finding the best use of limited resources in an optimum manner is known as

Marks 1

Question ID:
1857

| No | Options Details | Correct Option |
|----|---------------------|----------------|
| 1 | Linear programming | ✓ |
| 2 | Operation research | |
| 3 | Network analysis | |
| 4 | Break-even analysis | |

Q.53 For a product layout the material handling equipment must

Marks 1

Question ID:
1858

| No | Options Details | Correct Option |
|----|---|----------------|
| 1 | Employ conveyor belts, trucks, tractors etc. | |
| 2 | Be a general purpose type | |
| 3 | Have full flexibility | |
| 4 | Be designed as special purpose for a particular application | ✓ |

Q.54 Which of the following layouts is suited for mass production?

Marks 1

Question ID:
1859

| No | Options Details | Correct Option |
|----|-----------------------|----------------|
| 1 | Product layout | ✓ |
| 2 | Fixed position layout | |
| 3 | Process layout | |
| 4 | Plant layout | |

Q.55

What is the relation between variation due to observation, manufacturing process and measuring process of a product?

- (A) $\sigma_{\text{observation}} = \sigma_{\text{process}} + \sigma_{\text{measurement}}$
- (B) $\sigma_{\text{observation}} = \sigma_{\text{process}} - \sigma_{\text{measurement}}$
- (C) $\sigma_{\text{observation}} = \sigma_{\text{process}} * \sigma_{\text{measurement}}$
- (D) $\sigma_{\text{observation}} = \sigma_{\text{process}} / \sigma_{\text{measurement}}$

Marks 1

Question ID:
1860

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | ✓ |
| 2 | B | |
| 3 | C | |
| 4 | D | |

Q.56 The maximum possible draft in cold rolling of sheet increases with the

Marks 1

Question ID:
1861

| No | Options Details | Correct Option |
|----|-------------------------------------|----------------|
| 1 | Increase in coefficient of friction | ✓ |
| 2 | Decrease in coefficient of friction | |
| 3 | Decrease in roll radius | |
| 4 | Decrease in roll velocity | |

Q.57 The operation in which oil is permeated into the pores of a powder metallurgy product is known as

Marks 1

Question ID:
1862

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Mixing | |
| 2 | Impregnation | ✓ |
| 3 | Sintering | |
| 4 | Infiltration | |

Q.58 The production cost per unit can be reduced by

Marks 1

Question ID:
1863

| No | Options Details | Correct Option |
|----|--------------------------------------|----------------|
| 1 | Producing more with increased inputs | |
| 2 | Producing more with the same inputs | ✓ |
| 3 | Eliminating idle time | |
| 4 | Minimizing resource waste | |

Q.59 What is the type of welding defect caused due to shrinkage during solidification and by weld stresses called?

Marks 1

Question ID:
1864

| No | Options Details | Correct Option |
|----|-------------------|----------------|
| 1 | Incomplete fusion | |
| 2 | Lamellar tearing | ✓ |
| 3 | Mismatch | |
| 4 | Shrinkage void | |

Q.60 An event is indicated on the network by

Marks 1

Question ID:
1865

| No | Options Details | Correct Option |
|----|---|----------------|
| 1 | A number enclosed in a circle or a square | ✓ |
| 2 | A straight line | |
| 3 | A dotted line | |
| 4 | A straight line with circles at the ends | |

Q.61 Look at this series: 2, 1, (1/2), (1/4), What number should come next?

Marks 1

Question ID:
1866

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | 1/3 | |
| 2 | 1/8 | ✓ |
| 3 | 1/4 | |
| 4 | 1/16 | |

Q.62 From the options which word does NOT belong to the group?

Marks 1

Question ID:
1867

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | hate | ✓ |
| 2 | fondness | |
| 3 | liking | |
| 4 | attachment | |

Q.63 Parts : Strap :: Wolf : ?

Marks 1

Question ID:
1868

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | FOX | |
| 2 | ANIMAL | |
| 3 | WOOD | |
| 4 | FLOW | ✓ |

Q.64 Posthumous Award occurs when an award is given to someone, after their death. Choose one situation below as the best example of Posthumous Award.

Marks 1

Question ID:
1869

| No | Options Details | Correct Option |
|----|--|----------------|
| 1 | Late yesteryear actress Sridevi was awarded with a Lifetime Achievement Award posthumously in Filmfare 2019. | ✓ |
| 2 | Chitra never thought she'd live to receive a third Booker prize for her novel | |
| 3 | Emanuel has been honored with a prestigious literary award for his writing career and he accepted the award along with his daughter. | |
| 4 | Meenal's publisher canceled her book contract after she failed to deliver the manuscript on time. | |

Q.65 Statement I: The literacy rate in the district has been increasing for the last four years.
Statement II: The district administration has conducted extensive training program for the workers involved in the literacy drive.

Marks 1

Question ID:
1870

| No | Options Details | Correct Option |
|----|---|----------------|
| 1 | Statement I is the cause and statement II is its effect. | |
| 2 | Statement II is the cause and statement I is its effect. | ✓ |
| 3 | Both the statements I and II are independent causes. | |
| 4 | Both the statements I and II are effects of independent causes. | |

Q.66 Find the odd one out

Marks 1

Question ID:
1871

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Carpet | ✓ |
| 2 | Purse | |
| 3 | Bag | |
| 4 | Pocket | |

Q.67

Arrange the given parts, in a complete meaningful sentence:

Jawaharlal Nehru

(P) under the Cabinet Mission scheme

(Q) was the first to articulate

(R) long before such an assembly was set up

(S) the idea of Cabinet assembly

(A) PQRS

(B) QSRP

(C) RPQS

(D) SRPQ

Marks 1

Question ID:
1872

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | |
| 2 | B | ✓ |
| 3 | C | |
| 4 | D | |

Q.68 Use the sentence: "A Saddle could not exist without ———— ." Find the word that fits in

Marks 1

Question ID:
1873

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | horse | ✓ |
| 2 | seat | |
| 3 | stirrup | |
| 4 | horn | |

Q.69 I am facing East. Turning to the right I go 30m, then turning to the left I go 30m and then turning to the right I go 60m and then again I go 60m to the left. In which direction am I from my original position?

Marks 1

Question ID:
1874

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | South-east | ✓ |
| 2 | West | |
| 3 | North | |
| 4 | South-West | |

Q.70 In a certain code language, '324' means 'light is bright'; '629' means 'girl is beautiful' and '4758' means 'I prefer bright clothes'. Which digit means 'light' in that language?

Marks 1

Question ID:
1875

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | 3 | ✓ |
| 2 | 2 | |
| 3 | 4 | |
| 4 | 7 | |

Q.71 Bharat's mother says to Bharat, "My mother has a son whose son is Amar". How is Amar related to Bharat?

Marks 1

Question ID:
1876

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Father | |
| 2 | Uncle | |
| 3 | Cousin | ✓ |
| 4 | Grand Father | |

Q.72 Use the correct verb form in the sentence; The train ——— before we reach the station.

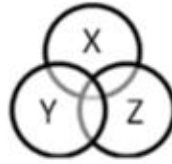
Marks 1

Question ID:
1877

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | left | |
| 2 | has left | |
| 3 | will have left | ✓ |
| 4 | leaves | |

Q.73

Which of the following relations best fits the figure?



(A) Tea: Coffee: Juice

(B) Women: Politician: Smart

(C) Plums: Fruits: Bread

(D) Fruits: Vehicles: Animals

Marks 1

Question ID:
1878

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | |
| 2 | B | ✓ |
| 3 | C | |
| 4 | D | |

Q.74 In 1957, Leon Festinger published his theory of

Marks 1

Question ID:
1879

| No | Options Details | Correct Option |
|----|----------------------|----------------|
| 1 | Balance | |
| 2 | Cognitive Dissonance | ✓ |
| 3 | Learning | |
| 4 | Attitude | |

Q.75 In Phallic stage, boy develops sensual feelings toward his mother which is known as:

Marks 1

Question ID:
1880

| No | Options Details | Correct Option |
|----|------------------|----------------|
| 1 | Electra complex | |
| 2 | Oedipus complex | ✓ |
| 3 | Virginia complex | |
| 4 | Anal reactions | |

Q.76 _____ stressed the concepts of compensation and over-compensation, the pursuit of activities designed to make up for or to overcome inferiority

Marks 1

Question ID:
1881

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Hans Selye | |
| 2 | Sigmund Freud | |
| 3 | William James | |
| 4 | Alfred Adler | ✓ |

Q.77 Frustration-Aggression is a very famous hypothesis proposed by

Marks 1

Question ID:
1882

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Roger | |
| 2 | Dollard -Miller | ✓ |
| 3 | Malsow | |
| 4 | Otto Rank | |

Q.78 According to Goleman, in any task, superior performance is possible if

Marks 1

Question ID:
1883

| No | Options Details | Correct Option |
|----|---|----------------|
| 1 | Emotional intelligence is higher rather than IQ | ✓ |
| 2 | IQ is higher rather than Emotional intelligence | |
| 3 | Emotional intelligence and IQ are equal | |
| 4 | No need of either Emotional intelligence or IQ | |

Q.79 Bob has never met Madonna but he is convinced that she is deeply in love with him. Bob is suffering from

Marks 1

Question ID:
1884

| No | Options Details | Correct Option |
|----|-------------------------------|----------------|
| 1 | grandiose delusions | ✓ |
| 2 | jealous delusions | |
| 3 | Obsessive-compulsive disorder | |
| 4 | erotomanic delusions. | |

Q.80 Which of the following is the most primitive defense against internal threat?

Marks 1

Question ID:
1885

| No | Options Details | Correct Option |
|----|--------------------|----------------|
| 1 | Regression | |
| 2 | Repression | ✓ |
| 3 | Reaction formation | |
| 4 | Supression | |

Q.81 First woman Registrar- General of Kerala High Court?

Marks 1

Question ID:
1886

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Sophy Thomas | |
| 2 | B.S. Bhanumathi | ✓ |
| 3 | R.A. Aruna | |
| 4 | A.K. Revathi | |

Q.82 Who is the Dy. Chairman of Rajyasabha?

Marks 1

Question ID:
1887

| No | Options Details | Correct Option |
|----|-------------------|----------------|
| 1 | M. Venkaiah Naidu | |
| 2 | Sujana Chaudhari | |
| 3 | Shri Harivansh | ✓ |
| 4 | Y. Ramanjaneyulu | |

Q.83 'Air Conditioner' was invented by

Marks 1

Question ID:
1888

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | Lloyd | |
| 2 | Alexander | |
| 3 | Wattson | |
| 4 | Carrier | ✓ |

Q.84 Expansion of AIDS -

Marks 1

Question ID:
1889

| No | Options Details | Correct Option |
|----|--------------------------------------|----------------|
| 1 | Accused In Dairy Symptoms | |
| 2 | Acquired Immunity Department Servery | |
| 3 | Acquired Immune Deficiency Syndrome | ✓ |
| 4 | Automatic Immunity Deficiency System | |

| | | |
|--|------------------------|-----------------------------|
| Q.85 Member of ASEAN countries is | | Question ID: 1890 |
| Marks | 1 | |
| No | Options Details | Correct Option |
| 1 | India | |
| 2 | China | |
| 3 | Srilanka | |
| 4 | Malaysia | ✓ |

| | | |
|--|------------------------|-----------------------------|
| Q.86 Louis Braille Day is celebrated on | | Question ID: 1891 |
| Marks | 1 | |
| No | Options Details | Correct Option |
| 1 | 04-Jan | ✓ |
| 2 | 05-Feb | |
| 3 | 10-Mar | |
| 4 | 08-May | |

| | | |
|--|------------------------|-----------------------------|
| Q.87 Dadasaheb Phalke Award (2019) was given to | | Question ID: 1892 |
| Marks | 1 | |
| No | Options Details | Correct Option |
| 1 | Akkineni Nageswar Rao | |
| 2 | K. Viswanath | |
| 3 | Amitabh Bachchan | ✓ |
| 4 | Dharmendra | |

| | | |
|--|------------------------|-----------------------------|
| Q.88 Who wrote "Wealth of Nations"? | | Question ID: 1893 |
| Marks | 1 | |
| No | Options Details | Correct Option |
| 1 | Karl Marx | |
| 2 | Herodotus | |
| 3 | Adam Smith | |
| 4 | Wattson | ✓ |

Q.89 First common wealth games were held in

Marks 1

Question ID:
1894

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | England | |
| 2 | Canada | ✓ |
| 3 | Australia | |
| 4 | India | |

Q.90 Nirbhaya culprits were hanged to death on

Marks 1

Question ID:
1895

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | 28.02.2020 | |
| 2 | 20.03.2020 | ✓ |
| 3 | 28.04.2020 | |
| 4 | 28.05.2020 | |

Q.91
Complete the given sentence selecting the appropriate alternatives from the given choices.

He is very tired and so he _____

- (A) Could not walk to the station
- (B) May not walk to the station
- (C) Did walk to the station
- (D) Cannot walk to the station

Marks 1

Question ID:
1896

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | |
| 2 | B | |
| 3 | C | |
| 4 | D | ✓ |

Q.92

Sentence below can be improved by replacing a string of letters in the sentence with a more appropriate/correct string. Select an alternative from the given choices to replace bold-faced string of letters in the sentence.

She was told there was **no place** in the compartment.

- (A) No house (B) No space
(C) No room (D) No vacant space

Marks 1

Question ID:
1897

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | |
| 2 | B | |
| 3 | C | ✓ |
| 4 | D | |

Q.93

Words in the question are arranged in random order. One of the four alternatives below each random word order provides the correct order of words to form a sentence. Select the alternative that provides the order for words to form a sentence.

Prove doing your by talking something worth of instead

- 1 2 3 4 5 6 7 8 9
(A) 9 8 5 1 3 7 4 2 6
(B) 2 8 6 1 3 4 7 5 9
(C) 2 8 7 5 1 3 4 9 5
(D) 2 7 3 8 5 1 6 9 4

Marks 1

Question ID:
1898

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | ✓ |
| 2 | B | |
| 3 | C | |
| 4 | D | |

Q.94

Read the sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer.

I shall telephone (1)/ you when (2)/ he will come back (3)/ from the office (4).

(A) 1

(B) 2

(C) 3

(D) 4

Marks 1

Question ID:
1899

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | |
| 2 | B | |
| 3 | C | ✓ |
| 4 | D | |

Q.95

Select the word from the given options that best describes the same meaning as the given word.

TUMOULTOUS

(A) Orderly

(B) Harmonious

(C) Peaceful

(D) Violent

Marks 1

Question ID:
1900

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | |
| 2 | B | |
| 3 | C | |
| 4 | D | ✓ |

Q.96

Select the word from the given options that best describes the meaning opposite to the given word.

VOUCH

(A) Retract

(B) Consent

(C) Clumsy

(D) Endorse

Marks 1

Question ID:
1901

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | ✓ |
| 2 | B | |
| 3 | C | |
| 4 | D | |

Q.97

Select the option that best describes the meaning of the given Idiom/ Phrase.

Cry over spilt milk

(A) Weep over loss

(B) Repent

(C) Argue seriously

(D) Lost milk

Marks 1

Question ID:
1902

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | |
| 2 | B | ✓ |
| 3 | C | |
| 4 | D | |

Q.98

Select the option that best describes the meaning of the given Idiom/ Phrase.

Uphill task

(A) Climbing a hill

(B) Big activity

(C) A difficult task

(D) Easy activity

Marks 1

Question ID:
1903

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | |
| 2 | B | |
| 3 | C | ✓ |
| 4 | D | |

Q.99

Select the correct alternative to fill up the blank in the following sentence.

The salt spray has gradually _____ the bridge.

(A) Eroded

(B) Demolished

(C) Ravaged

(D) Spoilt

Marks 1

Question ID:
1904

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | |
| 2 | B | |
| 3 | C | ✓ |
| 4 | D | |

Q.100

One word in the group of four words below is an odd word that does not go with the group. Select the alternative to pick the odd one out.

Pick the odd one out

(A) Machine

(B) Tele medicine

(C) Robot

(D) Scissors

Marks 1

Question ID:
1905

| No | Options Details | Correct Option |
|----|-----------------|----------------|
| 1 | A | |
| 2 | B | ✓ |
| 3 | C | |
| 4 | D | |