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RAILWAY RECRUITMENT BOARDS
रेलवे भर्ती बोर्ड

2nd Stage CBT for ALP & TECHNICIANS (CEN-01/2018)

Roll No:	
Participants Name:	
Test Center Name:	
Test Date:	23/01/2019
Test Time:	12:30 PM - 3:00 PM
Subject:	**Part A and Exam Trade : Electronics Mechanic**

1. Options shown in green color with a tick icon are correct
2. Chosen option on top right of the question indicates the option selected by the candidate
3. The numbers indicated against the Question ID and Option ID are the numbers to be noted and used for raising objections

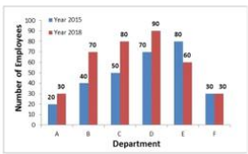
Section : **Part A**

Q.1 The sum of binary numbers 1100100 and 1101110 is _____.

Ans
✗ 1. 11110010
✓ 2. 11010010
✗ 3. 11100110
✗ 4. 11001000

Question ID : **7079669327**
Option 1 ID : **70796637308**
Option 2 ID : **70796637307**
Option 3 ID : **70796637305**
Option 4 ID : **70796637306**
Status : **Answered**
Chosen Option : **2**

Q.2 A company has six departments. The given bar graph shows the number of employees in each department for the years 2015 and 2018. The company added 80 new employees and fired some employees between the years 2015 and 2018. All the employees who were fired were from department C. If the employees of department C had NOT been fired, then the employee strength of department C in 2018 would have been greater by _____.



Ans
✓ 1. 12.5%
✗ 2. 10%
✗ 3. 20%
✗ 4. 17.5%

Question ID : **7079669370**

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Option 1 ID : **70796637478**
Option 2 ID : **70796637477**
Option 3 ID : **70796637480**
Option 4 ID : **70796637479**
Status : **Answered**
Chosen Option : **2**

Q.3 If A $ B means A is the sister of B, A # B means A is the husband of B and A * B means A is the daughter of B, then what does P $ Q * R # S mean?

Ans
✗ 1. S is the sister-in-law of P.
✗ 2. S is the grandmother of P.
✗ 3. S is the sister of P.
✓ 4. S is the mother of P.

Question ID : **7079669359**
Option 1 ID : **70796637434**
Option 2 ID : **70796637435**
Option 3 ID : **70796637433**
Option 4 ID : **70796637436**
Status : **Answered**
Chosen Option : **4**

Q.4 Which of the following nations is NOT a permanent member of the United Nations Security Council?

Ans
✓ 1. Germany
✗ 2. China
✗ 3. United Kingdom
✗ 4. France

Question ID : **7079669277**
Option 1 ID : **70796637105**
Option 2 ID : **70796637108**
Option 3 ID : **70796637107**
Option 4 ID : **70796637106**
Status : **Answered**
Chosen Option : **1**

Q.5 Which of the following folk dances is from Himachal Pradesh?

Ans
✗ 1. Giddha
✓ 2. Nati
✗ 3. Lezim
✗ 4. Bagurumba

Question ID : **7079669285**
Option 1 ID : **70796637138**
Option 2 ID : **70796637139**
Option 3 ID : **70796637140**
Option 4 ID : **70796637137**
Status : **Not Answered**
Chosen Option : **--**

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Q.6 The sentences given in this question, when properly sequenced, form a coherent paragraph. Each sentence is labelled with a letter (the first sentence is not labelled and given for your reference). Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

There were once two brothers who lived on the edge of a forest.
A: One day, the elder brother went into the forest to find some firewood to sell in the market.
B: As he went around chopping the branches of a tree after tree, he came upon a magical tree.
C: The elder brother was very mean to his younger brother and ate up all the food and took all his good clothes.
D: The tree said to him, 'Oh kind sir, please do NOT cut my branches.'

Ans
✗ 1. ACDB
✓ 2. CABD
✗ 3. ACBD
✗ 4. CADB

Question ID : **7079669373**
Option 1 ID : **70796637492**
Option 2 ID : **70796637489**
Option 3 ID : **70796637491**
Option 4 ID : **70796637490**
Status : **Answered**
Chosen Option : **2**

Q.7 Find the efficiency of a pump (rated 400 W) that can lift 500 kg of water by 30 m in 10 minutes. (Use $g = 10 m/s^2$)

Ans
✓ 1. 62.50%
✗ 2. 77.50%
✗ 3. 84.00%
✗ 4. 92.00%

Question ID : **7079669286**
Option 1 ID : **70796637143**
Option 2 ID : **70796637142**
Option 3 ID : **70796637141**
Option 4 ID : **70796637144**
Status : **Not Answered**
Chosen Option : **--**

Q.8 What is the angle between the hour hand and the minute hand of a clock at quarter past three?

Ans
✗ 1. 8.5°
✗ 2. 9.5°
✗ 3. 6.5°
✓ 4. 7.5°

Question ID : **7079669349**
Option 1 ID : **70796637394**
Option 2 ID : **70796637396**
Option 3 ID : **70796637393**
Option 4 ID : **70796637395**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Breathing in about 900 parts of _____ in a million parts of air for a short time causes fatigue, dizziness, and headache.

Ans
✓ 1. chloroform

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✗ 2. pesticides

✗ 3. asbestos particles

✗ 4. arsenic

Question ID : **7079669294**
Option 1 ID : **70796637174**
Option 2 ID : **70796637176**
Option 3 ID : **70796637173**
Option 4 ID : **70796637175**
Status : **Answered**
Chosen Option : **1**

Q.10 In this question, two statements are given, followed by three conclusions labelled I, II and III. You have to consider the statements to be true even if they seem to be at variance with commonly known facts, and decide which of the given conclusions, if any, follow(s) from the given statements.

Statements:

All mansions are palaces.
No castles are palaces.

Conclusions:

I: Some palaces are mansions.
II: Some castles are mansions.
III: No mansions are castles.

Ans

✗ 1. Only conclusion III follows.

✗ 2. Only conclusion I follows.

✓ 3. Only conclusion I and III follow.

✗ 4. All the conclusions, I, II and III, follow.

Question ID : **7079669364**
Option 1 ID : **70796637454**
Option 2 ID : **70796637453**
Option 3 ID : **70796637455**
Option 4 ID : **70796637456**
Status : **Answered**
Chosen Option : **2**

Q.11 Which of the following gives the correct relation between power 'P', resistance 'R' and charge 'Q' flowing through a wire in 't' seconds?

Ans

✗ 1. $PQ = IRt$

✗ 2. $PI = QRt$

✗ 3. $PR = QIt$

✓ 4. $Pt = IRQ$

Question ID : **7079669289**
Option 1 ID : **70796637153**
Option 2 ID : **70796637155**
Option 3 ID : **70796637156**
Option 4 ID : **70796637154**
Status : **Answered**
Chosen Option : **1**

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Q.12 In a certain gear train, the driver has 24 teeth while the follower has 8 teeth. For every _____ turns of the driver, the follower turns 36 times.

Ans
✔ 1. 12
✘ 2. 4
✘ 3. 9
✘ 4. 10

Question ID : **7079669293**
Option 1 ID : **70796637170**
Option 2 ID : **70796637169**
Option 3 ID : **70796637172**
Option 4 ID : **70796637171**
Status : **Not Answered**
Chosen Option : **--**

Q.13 Two numbers are 10% and 20% less than a third number. By what percentage should the second number be increased to make it equal to the first number?

Ans
✔ 1. 12.5%
✘ 2. 10%
✘ 3. 8%
✘ 4. 7.5%

Question ID : **7079669333**
Option 1 ID : **70796637331**
Option 2 ID : **70796637329**
Option 3 ID : **70796637330**
Option 4 ID : **70796637332**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Find the mass (in kg) of kerosene filled up to the brim in a tank of dimensions 5 m × 2 m × 1 m. (Density of kerosene is 800 kg/m^3)

Ans
✘ 1. 12,500
✔ 2. 8,000
✘ 3. 800
✘ 4. 1,250

Question ID : **7079669291**
Option 1 ID : **70796637164**
Option 2 ID : **70796637163**
Option 3 ID : **70796637161**
Option 4 ID : **70796637162**
Status : **Answered**
Chosen Option : **2**

Q.15 Find the value of:

$$16 - (25\% \, of \, (14 \times 10 \div 35 + 12 \times 10 \div 15))$$

Ans
✔ 1. 13

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✗ 3. 11

✗ 4. 9

Question ID : **7079669328**
Option 1 ID : **70796637312**
Option 2 ID : **70796637311**
Option 3 ID : **70796637309**
Option 4 ID : **70796637310**
Status : **Answered**
Chosen Option : **1**

Q.16 A _____ projection is an oblique projection in which the depth of the object is shown in full size.

Ans

✓ 1. cavalier

✗ 2. fisheye

✗ 3. orthographic

✗ 4. perspective

Question ID : **7079669300**
Option 1 ID : **70796637199**
Option 2 ID : **70796637200**
Option 3 ID : **70796637198**
Option 4 ID : **70796637197**
Status : **Answered**
Chosen Option : **2**

Q.17 Pipe A can fill a tank in 12 hours. Pipe B can empty it in X hours. If both the pipes are opened together, then the tank will be filled in 30 hours. Find X.

Ans

✗ 1. 25

✗ 2. 15

✗ 3. 24

✓ 4. 20

Question ID : **7079669350**
Option 1 ID : **70796637398**
Option 2 ID : **70796637397**
Option 3 ID : **70796637399**
Option 4 ID : **70796637400**
Status : **Not Answered**
Chosen Option : **--**

Q.18 Which element is mostly provided by grains, nuts and chocolates in our diet?

Ans

✗ 1. Iodine

✗ 2. Chloride

✓ 3. Copper

✗ 4. Zinc

Question ID : **7079669322**
Option 1 ID : **70796637286**
Option 2 ID : **70796637287**

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Option 3 ID : **70796637288**
Option 4 ID : **70796637285**
Status : **Answered**
Chosen Option : **4**

Q.19 Amit calculated $\frac{2}{5}$th of a number instead of calculating $\frac{2}{15}$th. His answer was greater than the correct answer by 336. Find the number.

Ans
✗ 1. 1344
✗ 2. 1008
✓ 3. 1260
✗ 4. 1680

Question ID : **7079669330**
Option 1 ID : **70796637320**
Option 2 ID : **70796637319**
Option 3 ID : **70796637318**
Option 4 ID : **70796637317**
Status : **Not Answered**
Chosen Option : **--**

Q.20 A statement is given, followed by two conclusions. Decide which of the given conclusions logically follow(s) from the given statement.

Statement:

Emotional Quotient is a good predictor of success in career.

Conclusions:

I: The top 10 employees in a division will have the top 10 Emotional Quotients.
I: Finding the Emotional Quotient of a candidate will give the hiring company extra useful information.

Ans
✗ 1. Only conclusion I follows.
✗ 2. Neither conclusion I nor II follows.
✗ 3. Both conclusions I and II follow.
✓ 4. Only conclusion II follows.

Question ID : **7079669375**
Option 1 ID : **70796637497**
Option 2 ID : **70796637499**
Option 3 ID : **70796637500**
Option 4 ID : **70796637498**
Status : **Answered**
Chosen Option : **4**

Q.21 If 90 J of work is done in moving a charge of 2,000 coulombs across V volts, find V.

Ans
✗ 1. 0.2
✗ 2. 2,250
✗ 3. 180
✓ 4. 0.045

Question ID : **7079669311**
Option 1 ID : **70796637244**
Option 2 ID : **70796637243**

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Option 3 ID : **70796637242**
Option 4 ID : **70796637241**
Status : **Answered**
Chosen Option : **4**

Q.22 What is the area (in cm^2) of a regular hexagon of side 10 cm?

Ans
✗ 1. $300\sqrt{3}$
✗ 2. $75\sqrt{3}$
✓ 3. $150\sqrt{3}$
✗ 4. $450\sqrt{3}$

Question ID : **7079669334**
Option 1 ID : **70796637335**
Option 2 ID : **70796637333**
Option 3 ID : **70796637334**
Option 4 ID : **70796637336**
Status : **Not Answered**
Chosen Option : **--**

Q.23 Find the heat capacity of a steel vessel of mass 2.5 kg if its temperature rises by 10 degrees. Specific heat capacity of steel is 500 $Jkg^{-1}K^{-1}$.

Ans
✗ 1. 200 $Jkg^{-1}K^{-1}$
✗ 2. 125 JK^{-1}
✓ 3. 1,250 JK^{-1}
✗ 4. 20 $Jkg^{-1}K^{-1}$

Question ID : **7079669307**
Option 1 ID : **70796637226**
Option 2 ID : **70796637227**
Option 3 ID : **70796637225**
Option 4 ID : **70796637228**
Status : **Answered**
Chosen Option : **4**

Q.24 The hotel Taj Lake Palace, built in the middle of Lake Pichola, is in which city?

Ans
✓ 1. Udaipur
✗ 2. Jodhpur
✗ 3. Bikaner
✗ 4. Jaipur

Question ID : **7079669283**
Option 1 ID : **70796637129**
Option 2 ID : **70796637130**
Option 3 ID : **70796637132**
Option 4 ID : **70796637131**
Status : **Not Answered**
Chosen Option : **--**

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Q.25 The ratio of the present ages of Leela and her mother is 3:8. The mother was 25 years old when Leela was born. Find the mother's present age (in years).

Ans
✔ 1. 40
✘ 2. 52
✘ 3. 56
✘ 4. 48

Question ID : **7079669348**
Option 1 ID : **70796637390**
Option 2 ID : **70796637392**
Option 3 ID : **70796637391**
Option 4 ID : **70796637389**
Status : **Answered**
Chosen Option : **1**

Q.26 If a vendor sells a coconut at ₹32, he incurs a 20% loss. What is the cost price of the coconut?

Ans
✘ 1. ₹48
✔ 2. ₹40
✘ 3. ₹44
✘ 4. ₹36

Question ID : **7079669340**
Option 1 ID : **70796637360**
Option 2 ID : **70796637358**
Option 3 ID : **70796637359**
Option 4 ID : **70796637357**
Status : **Answered**
Chosen Option : **2**

Q.27 In a certain code, EXACT is written as 91685 and MILK is written as 7243. Using the same code, MELT will be written as _____.

Ans
✘ 1. 5384
✔ 2. 7945
✘ 3. 8794
✘ 4. 9285

Question ID : **7079669355**
Option 1 ID : **70796637417**
Option 2 ID : **70796637420**
Option 3 ID : **70796637418**
Option 4 ID : **70796637419**
Status : **Answered**
Chosen Option : **2**

Q.28

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One statement is given followed by two assumptions labelled I and II. You have to consider the statement to be true, even if it seems to be at variance with commonly known facts, and decide which of the given assumptions is/are implicit in the given statement.

Statement:

'Height should be between 5 feet 6 inches and 6 feet.' – One of the conditions for recruiting fighter pilots.

Assumptions:

I. Fighter pilots should be presentable as they are role models for the young.

II. Only certain body types can fit in a fighter plane cockpit.

Ans

✔ 1. Only assumption II is implicit.

✘ 2. Both assumptions I and II are implicit.

✘ 3. Neither assumption I nor II is implicit.

✘ 4. Only assumption I is implicit.

Question ID : **7079669369**
Option 1 ID : **70796637474**
Option 2 ID : **70796637476**
Option 3 ID : **70796637475**
Option 4 ID : **70796637473**
Status : **Answered**
Chosen Option : **1**

Q.29 Choose the word that is different from the rest.

Ans

✘ 1. Pool

✘ 2. Lake

✔ 3. Stream

✘ 4. Pond

Question ID : **7079669367**
Option 1 ID : **70796637467**
Option 2 ID : **70796637466**
Option 3 ID : **70796637468**
Option 4 ID : **70796637465**
Status : **Answered**
Chosen Option : **3**

Q.30 A alone can paint a wall in 50 days and B alone can do it in 10 days. If A, B and C together can paint the wall in 6.25 days, then in how many days can C alone paint the wall?

Ans

✘ 1. 20

✔ 2. 25

✘ 3. 40

✘ 4. 15

Question ID : **7079669337**
Option 1 ID : **70796637345**
Option 2 ID : **70796637348**
Option 3 ID : **70796637347**
Option 4 ID : **70796637346**
Status : **Not Answered**
Chosen Option : **--**

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Q.31 Two litres of superheated water at 190°C is mixed with six litres of cold water at 20°C. Find the final equilibrium temperature (in °C) if no heat is lost.

Ans
✗ 1. 47.5
✗ 2. 95
✗ 3. 55
✓ 4. 62.5

Question ID : **7079669316**
Option 1 ID : **70796637262**
Option 2 ID : **70796637264**
Option 3 ID : **70796637263**
Option 4 ID : **70796637261**
Status : **Not Answered**
Chosen Option : **--**

Q.32 Paracetamol is found in first-aid boxes. When/why should these drugs be taken?

Ans
✗ 1. To bring relief from asthma.
✓ 2. To ease mild pain and reduce high temperature (fever).
✗ 3. To ease indigestion and heartburn.
✗ 4. To ease the symptoms of hay fever and other allergies.

Question ID : **7079669317**
Option 1 ID : **70796637266**
Option 2 ID : **70796637268**
Option 3 ID : **70796637267**
Option 4 ID : **70796637265**
Status : **Answered**
Chosen Option : **2**

Q.33 Solve the following.

$\sqrt{0.2025} + \sqrt{0.12225} =$ _____

Ans
✗ 1. 1.2
✓ 2. 0.8
✗ 3. 0.6
✗ 4. 0.9

Question ID : **7079669347**
Option 1 ID : **70796637386**
Option 2 ID : **70796637385**
Option 3 ID : **70796637387**
Option 4 ID : **70796637388**
Status : **Not Answered**
Chosen Option : **--**

Q.34 A car loses 200 kJ of kinetic energy when its speed decreases from 25 m/s to 15 m/s. Find its mass in tonnes.

Ans
✗ 1. 2

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✗ 2. 1.5
✗ 3. 2.5
✓ 4. 1

Question ID : **7079669318**
Option 1 ID : **70796637269**
Option 2 ID : **70796637270**
Option 3 ID : **70796637271**
Option 4 ID : **70796637272**
Status : **Not Answered**
Chosen Option : **--**

Q.35 L is thrice as good a workman as M, and together, they finish a task in 12 days. In how many days will L alone finish the same task?

Ans
✓ 1. 16
✗ 2. 32
✗ 3. 48
✗ 4. 40

Question ID : **7079669336**
Option 1 ID : **70796637343**
Option 2 ID : **70796637342**
Option 3 ID : **70796637341**
Option 4 ID : **70796637344**
Status : **Answered**
Chosen Option : **2**

Q.36 Pie chart 1 shows the share of the four partners (A, B, C and D) in Company XYZ in the year 2017. In 2018, a fifth partner, E, was added by issuing 5000 shares to E (pie chart 2). The company has issued _____ shares more in 2018 than those in 2017.

Ans
✗ 1. 33.33%
✗ 2. 16.67%
✗ 3. 20%
✓ 4. 25%

Question ID : **7079669371**
Option 1 ID : **70796637484**
Option 2 ID : **70796637483**
Option 3 ID : **70796637482**
Option 4 ID : **70796637481**
Status : **Not Answered**
Chosen Option : **--**

Q.37 The area of A0 size paper is_____.

Ans
✓ 1. 10,000 cm^2
✗ 2. 1,000 cm^2
✗ 3. 1 cm^2
✗ 4. 100 cm^2

Question ID : **7079669287**

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Option 1 ID : **70796637145**
Option 2 ID : **70796637148**
Option 3 ID : **70796637147**
Option 4 ID : **70796637146**
Status : **Answered**
Chosen Option : **2**

Q.38 The _____ across the ends of a resistor is directly proportional to the current through it, provided its temperature remains the same.

Ans
✗ 1. charge
✓ 2. potential difference
✗ 3. resistivity
✗ 4. resistance

Question ID : **7079669309**
Option 1 ID : **70796637236**
Option 2 ID : **70796637235**
Option 3 ID : **70796637234**
Option 4 ID : **70796637233**
Status : **Answered**
Chosen Option : **2**

Q.39 A truck travels 450 km in two and a half hours. Find its speed in m/s.

Ans
✗ 1. 60
✓ 2. 50
✗ 3. 90
✗ 4. 75

Question ID : **7079669319**
Option 1 ID : **70796637273**
Option 2 ID : **70796637276**
Option 3 ID : **70796637275**
Option 4 ID : **70796637274**
Status : **Answered**
Chosen Option : **3**

Q.40 Which of the following is an example of a second class lever?

Ans
✗ 1. Ice tongs
✗ 2. See-saw
✗ 3. Pliers
✓ 4. Wheel barrow

Question ID : **7079669321**
Option 1 ID : **70796637283**
Option 2 ID : **70796637282**
Option 3 ID : **70796637281**
Option 4 ID : **70796637284**
Status : **Answered**
Chosen Option : **4**

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Q.41 The specific latent heat of fusion of ethyl alcohol is 100 Jg^{-1}. Find the heat absorbed (in J) by 2.25 g of ethyl alcohol when it melts at its melting point of -114°C.

Ans
✗ 1. 100
✓ 2. 225
✗ 3. 45
✗ 4. 311

Question ID : **7079669288**
Option 1 ID : **70796637152**
Option 2 ID : **70796637151**
Option 3 ID : **70796637149**
Option 4 ID : **70796637150**
Status : **Not Answered**
Chosen Option : **--**

Q.42 Find the slope of the line joining the points (3,−4) and (5,2).

Ans
✗ 1. 2
✗ 2. 1/2
✓ 3. 3
✗ 4. 1/3

Question ID : **7079669344**
Option 1 ID : **70796637373**
Option 2 ID : **70796637376**
Option 3 ID : **70796637375**
Option 4 ID : **70796637374**
Status : **Not Answered**
Chosen Option : **--**

Q.43 Binary number 101110110 is equal to decimal number _____.

Ans
✗ 1. 468
✓ 2. 374
✗ 3. 412
✗ 4. 326

Question ID : **7079669326**
Option 1 ID : **70796637304**
Option 2 ID : **70796637303**
Option 3 ID : **70796637302**
Option 4 ID : **70796637301**
Status : **Not Answered**
Chosen Option : **--**

Q.44 A boy of 50 kg is riding a scooter of 100 kg mass at a speed of v m/s. Find v (in m/s) if the kinetic energy of the scooter and the boy is 76.8 kJ.

Ans
✗ 1. 80
✓ 2. 32
✗ 3. 40
✗ 4. 64

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Question ID : **7079669305**
Option 1 ID : **70796637220**
Option 2 ID : **70796637218**
Option 3 ID : **70796637219**
Option 4 ID : **70796637217**
Status : **Not Answered**
Chosen Option : **--**

Q.45 Find the resistance of the wire (in kΩ) through which a 5 mA current flows when 500 V of potential difference is applied across it.

Ans
✗ 1. 2.5
✓ 2. 100
✗ 3. 1,00,000
✗ 4. 2,500

Question ID : **7079669312**
Option 1 ID : **70796637247**
Option 2 ID : **70796637246**
Option 3 ID : **70796637245**
Option 4 ID : **70796637248**
Status : **Answered**
Chosen Option : **3**

Q.46 Find the least common multiple of 56 and 50.

Ans
✗ 1. 1500
✓ 2. 1400
✗ 3. 800
✗ 4. 700

Question ID : **7079669331**
Option 1 ID : **70796637324**
Option 2 ID : **70796637323**
Option 3 ID : **70796637322**
Option 4 ID : **70796637321**
Status : **Answered**
Chosen Option : **2**

Q.47 Select the option that is related to the third word on the same basis as the second word is related to the first word. Paper: Glue:: Brick : ?

Ans
✗ 1. Mason
✗ 2. Wall
✗ 3. Stone
✓ 4. Mortar

Question ID : **7079669351**
Option 1 ID : **70796637404**
Option 2 ID : **70796637402**
Option 3 ID : **70796637403**
Option 4 ID : **70796637401**
Status : **Answered**
Chosen Option : **4**

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Q.48 A _____ diagram is a schematic drawing that shows the relationships in a system, using simple shapes for the entities.

Ans
✔ 1. block
✘ 2. circuit
✘ 3. Venn
✘ 4. scatter

Question ID : **7079669299**
Option 1 ID : **70796637195**
Option 2 ID : **70796637196**
Option 3 ID : **70796637194**
Option 4 ID : **70796637193**
Status : **Answered**
Chosen Option : **1**

Q.49 _____ are a subset of air pollution that refers to the tiny particles suspended everywhere in our atmosphere.

Ans
✘ 1. Humus
✘ 2. Genomes
✔ 3. Aerosols
✘ 4. Loam

Question ID : **7079669324**
Option 1 ID : **70796637295**
Option 2 ID : **70796637294**
Option 3 ID : **70796637293**
Option 4 ID : **70796637296**
Status : **Answered**
Chosen Option : **3**

Q.50 A/An _____ is an interface on a computer to which you can connect a device.

Ans
✘ 1. array
✘ 2. anime
✔ 3. port
✘ 4. dongle

Question ID : **7079669325**
Option 1 ID : **70796637298**
Option 2 ID : **70796637297**
Option 3 ID : **70796637299**
Option 4 ID : **70796637300**
Status : **Answered**
Chosen Option : **3**

Q.51 Select the option that is related to the third word on the same basis as the second word is related to the first word. Pipe: Cylinder:: Moon : ?

Ans
✘ 1. Earth
✘ 2. Night
✔ 3. Sphere

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✗ 4. Stars

Question ID : **7079669352**
Option 1 ID : **70796637405**
Option 2 ID : **70796637407**
Option 3 ID : **70796637406**
Option 4 ID : **70796637408**
Status : **Answered**
Chosen Option : **3**

Q.52 Find the mechanical advantage of a pulley system if it has an efficiency of 60%. The load lifts by 3 m when the rope is pulled by 12 m.

Ans
✗ 1. 3.6
✓ 2. 2.4
✗ 3. 4.8
✗ 4. 1.2

Question ID : **7079669313**
Option 1 ID : **70796637249**
Option 2 ID : **70796637252**
Option 3 ID : **70796637251**
Option 4 ID : **70796637250**
Status : **Not Answered**
Chosen Option : **--**

Q.53 Choose the letter cluster that is different from the rest.

Ans
✓ 1. MOQ
✗ 2. EFG
✗ 3. KLM
✗ 4. RST

Question ID : **7079669366**
Option 1 ID : **70796637464**
Option 2 ID : **70796637462**
Option 3 ID : **70796637461**
Option 4 ID : **70796637463**
Status : **Answered**
Chosen Option : **1**

Q.54 If 1,200 J of work is done in pushing a trolley by 20 m, what was the force (in N) employed?

Ans
✗ 1. 90
✗ 2. 30
✓ 3. 60
✗ 4. 120

Question ID : **7079669292**
Option 1 ID : **70796637167**
Option 2 ID : **70796637168**
Option 3 ID : **70796637166**
Option 4 ID : **70796637165**
Status : **Answered**

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Chosen Option : **3**

Q.55 Find the mass (in g) of a copper calorimeter if its temperature rises by 45° when it absorbs 3.6 kJ of heat. The specific heat capacity of copper is 0.4 $Jg^{-1}K^{-1}$.

Ans
✗ 1. 500
✗ 2. 405
✓ 3. 200
✗ 4. 648

Question ID : **7079669308**
Option 1 ID : **70796637232**
Option 2 ID : **70796637231**
Option 3 ID : **70796637229**
Option 4 ID : **70796637230**
Status : **Not Answered**
Chosen Option : **--**

Q.56 Find the third proportional to 24 and 60.

Ans
✗ 1. 164
✓ 2. 150
✗ 3. 120
✗ 4. 144

Question ID : **7079669332**
Option 1 ID : **70796637328**
Option 2 ID : **70796637326**
Option 3 ID : **70796637327**
Option 4 ID : **70796637325**
Status : **Answered**
Chosen Option : **2**

Q.57 By cycling 7/9 times his usual speed, Anwar reaches his school 4 minutes late. How many minutes does Anwar take to reach school at his usual cycling speed?

Ans
✓ 1. 14
✗ 2. 16
✗ 3. 20
✗ 4. 18

Question ID : **7079669315**
Option 1 ID : **70796637258**
Option 2 ID : **70796637257**
Option 3 ID : **70796637260**
Option 4 ID : **70796637259**
Status : **Not Answered**
Chosen Option : **--**

Q.58 A pilgrim starts from her house to visit various places. She walks 13 km towards the east, then turns towards the north and walks 11 km, then turns towards the west and walks 7 km, then turns towards the south and walks 6 km and finally turns to her right and walks 6 km. Where is she now with respect to her starting position?

Ans
✗ 1. 16 km south
✓ 2. 5 km north

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✗ 3. 16 km north

✗ 4. 5 km south

Question ID : **7079669368**
Option 1 ID : **70796637471**
Option 2 ID : **70796637472**
Option 3 ID : **70796637470**
Option 4 ID : **70796637469**
Status : **Not Answered**
Chosen Option : **--**

Q.59 In an artificial language, 'terake' means 'motherland', 'lorake' means 'mother tongue' and 'loroli' means 'long tongue'. Which word would mean 'long jump' in that language?

Ans

✗ 1. akezit

✓ 2. nemoli

✗ 3. dibnol

✗ 4. hudter

Question ID : **7079669356**
Option 1 ID : **70796637424**
Option 2 ID : **70796637421**
Option 3 ID : **70796637422**
Option 4 ID : **70796637423**
Status : **Answered**
Chosen Option : **2**

Q.60 If $5x/3 - 7/2\ (2x/5 - 1/3) = 1/3$, then the value of x is _____.

Ans

✓ 1. $-25/8$

✗ 2. $5/14$

✗ 3. $-5/14$

✗ 4. $25/8$

Question ID : **7079669342**
Option 1 ID : **70796637365**
Option 2 ID : **70796637367**
Option 3 ID : **70796637368**
Option 4 ID : **70796637366**
Status : **Answered**
Chosen Option : **2**

Q.61 In an engineering drawing, which letters written on the dimension indicates that it is extra information and NOT really required?

Ans

✗ 1. EXT

✗ 2. PER

✗ 3. NR

✓ 4. REF

Question ID : **7079669298**
Option 1 ID : **70796637189**
Option 2 ID : **70796637192**
Option 3 ID : **70796637191**

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Option 4 ID : **70796637190**
Status : **Not Answered**
Chosen Option : **--**

Q.62 Select the set of letters that when sequentially placed in the gaps of the given letter series will complete the series logically.

a_yz_bx_zc_cx_z

Ans
✗ 1. xybcy
✗ 2. yxbcz
✓ 3. xbycy
✗ 4. xybcz

Question ID : **7079669353**
Option 1 ID : **70796637409**
Option 2 ID : **70796637411**
Option 3 ID : **70796637412**
Option 4 ID : **70796637410**
Status : **Not Answered**
Chosen Option : **--**

Q.63 Acceleration due to gravity is highest at _____.

Ans
✗ 1. the center of the earth
✓ 2. the poles
✗ 3. at an infinite distance from the earth
✗ 4. the equator

Question ID : **7079669303**
Option 1 ID : **70796637211**
Option 2 ID : **70796637210**
Option 3 ID : **70796637212**
Option 4 ID : **70796637209**
Status : **Answered**
Chosen Option : **2**

Q.64 Choose the figure that is different from the rest.

Ans
✗ 1.

H	X	P
O	R	K
W	Q	M

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✔ 2.

K	W	Q
R	O	P
I	M	X

✘ 3.

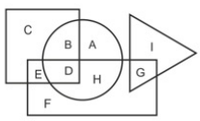
P	O	R
M	W	K
H	X	Q

✘ 4.

Q	M	R
X	H	O
K	W	P

Question ID : **7079669365**
Option 1 ID : **70796637459**
Option 2 ID : **70796637458**
Option 3 ID : **70796637460**
Option 4 ID : **70796637457**
Status : **Not Answered**
Chosen Option : **--**

Q.65 In the following figure, the triangle represents bakers, the square represents teachers, the circle represents Americans and the rectangle represents mothers. Which letter or set of letters represents the mothers who are neither Americans nor bakers?



Ans

✘ 1. I
✘ 2. A
✘ 3. C
✔ 4. EF

Question ID : **7079669361**
Option 1 ID : **70796637442**
Option 2 ID : **70796637443**
Option 3 ID : **70796637441**
Option 4 ID : **70796637444**
Status : **Answered**
Chosen Option : **4**

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Q.66 If the median of the numbers 9, 15, 1, 15, 14, 9, 4 and X is 11, find X.

Ans
1. 10 ✗
2. 13 ✗
3. 12 ✗
4. 11 ✓

Question ID : **7079669346**
Option 1 ID : **70796637383**
Option 2 ID : **70796637384**
Option 3 ID : **70796637381**
Option 4 ID : **70796637382**
Status : **Not Answered**
Chosen Option : **--**

Q.67 The total surface area of a cuboid is 236 cm^2. Its length is 8 cm and height is 6 cm. Find its breadth (in cm).

Ans
1. 9 ✗
2. 4 ✗
3. 7 ✗
4. 5 ✓

Question ID : **7079669335**
Option 1 ID : **70796637338**
Option 2 ID : **70796637339**
Option 3 ID : **70796637337**
Option 4 ID : **70796637340**
Status : **Not Answered**
Chosen Option : **--**

Q.68 C said to D, "You are my sister's husband's mother-in-law." How is D related to C?

Ans
1. D is the sister of C. ✗
2. D is the daughter of C. ✗
3. D is the mother of C. ✓
4. D is the mother-in-law of C. ✗

Question ID : **7079669360**
Option 1 ID : **70796637438**
Option 2 ID : **70796637439**
Option 3 ID : **70796637437**
Option 4 ID : **70796637440**
Status : **Answered**
Chosen Option : **3**

Q.69 _____ is India's sole National Issuing & Guaranteeing Association for ATA Carnets (also known as 'Passport for Goods').

Ans
1. All India Management Association ✗
2. Confederation of Indian Industry ✗
3. International Resources for Fairer Trade ✗

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✔ 4. Federation of Indian Chambers of Commerce & Industry

Question ID : **7079669278**
Option 1 ID : **70796637111**
Option 2 ID : **70796637109**
Option 3 ID : **70796637110**
Option 4 ID : **70796637112**
Status : **Not Answered**
Chosen Option : **--**

Q.70 Two cabs A and B start from town C for town D. If the distance between the two towns is 540 km and the slower taxi travelling at an average speed of 90 km/hr takes an hour more than the faster taxi, then find the speed (in km/hr) of the faster taxi.

Ans
✘ 1. 126
✘ 2. 117
✔ 3. 108
✘ 4. 99

Question ID : **7079669306**
Option 1 ID : **70796637224**
Option 2 ID : **70796637222**
Option 3 ID : **70796637223**
Option 4 ID : **70796637221**
Status : **Not Answered**
Chosen Option : **--**

Q.71 If $a^2 + b^2 = 53$ and $ab = 14$, then find the value of $a + b$.

Ans
✘ 1. 15
✔ 2. 9
✘ 3. 5
✘ 4. 12

Question ID : **7079669343**
Option 1 ID : **70796637369**
Option 2 ID : **70796637370**
Option 3 ID : **70796637371**
Option 4 ID : **70796637372**
Status : **Answered**
Chosen Option : **2**

Q.72 Which of the following classes of chemicals can damage the ozone layer?

Ans
✘ 1. Phenols
✘ 2. Antimicrobials
✘ 3. Aromatic compounds
✔ 4. Chlorofluorocarbons

Question ID : **7079669323**
Option 1 ID : **70796637291**
Option 2 ID : **70796637290**
Option 3 ID : **70796637289**

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Option 4 ID : **70796637292**
Status : **Answered**
Chosen Option : **4**

Q.73 Acceleration due to gravity on Jupiter is two and a half times that on earth. How much would a 250 kg satellite weigh (in N) on Jupiter? (acceleration due to gravity on earth = $10m/s^2$)

Ans
✗ 1. 625
✓ 2. 6,250
✗ 3. 100
✗ 4. 10

Question ID : **7079669296**
Option 1 ID : **70796637182**
Option 2 ID : **70796637183**
Option 3 ID : **70796637181**
Option 4 ID : **70796637184**
Status : **Answered**
Chosen Option : **3**

Q.74 Which of the following is NOT a derived unit?

Ans
✗ 1. Volt
✓ 2. Mole
✗ 3. Radian
✗ 4. Lumen

Question ID : **7079669301**
Option 1 ID : **70796637203**
Option 2 ID : **70796637204**
Option 3 ID : **70796637201**
Option 4 ID : **70796637202**
Status : **Answered**
Chosen Option : **2**

Q.75 Henry per meter is the unit of _____.

Ans
✗ 1. permittivity
✓ 2. permeability
✗ 3. watt per steradian
✗ 4. electric conductance

Question ID : **7079669302**
Option 1 ID : **70796637205**
Option 2 ID : **70796637208**
Option 3 ID : **70796637207**
Option 4 ID : **70796637206**
Status : **Answered**
Chosen Option : **1**

Q.76 If $\sin\Theta = 12/13$, then find the value of $2\cot\Theta + 13\cos\Theta$.

Ans

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✔ 1. 35/6
✘ 2. 25/6
✘ 3. 5/8
✘ 4. 15/8

Question ID : **7079669345**
Option 1 ID : **70796637379**
Option 2 ID : **70796637377**
Option 3 ID : **70796637380**
Option 4 ID : **70796637378**
Status : **Answered**
Chosen Option : **1**

Q.77 A vendor buys a certain number of bananas at 8 pieces for `5 and sells them at 5 pieces for `8. What will be his percentage profit?

Ans
✘ 1. 144%
✔ 2. 156%
✘ 3. 40%
✘ 4. 48%

Question ID : **7079669341**
Option 1 ID : **70796637363**
Option 2 ID : **70796637362**
Option 3 ID : **70796637361**
Option 4 ID : **70796637364**
Status : **Answered**
Chosen Option : **2**

Q.78 The notation 2xØ6 means _____.

Ans
✘ 1. Scale the circle of radius 6 units by a factor of 2
✘ 2. 2 circles of radius 6 units
✘ 3. Scale the circle of diameter 6 units by a factor of 2
✔ 4. 2 circles of diameter 6 units

Question ID : **7079669290**
Option 1 ID : **70796637160**
Option 2 ID : **70796637157**
Option 3 ID : **70796637159**
Option 4 ID : **70796637158**
Status : **Not Answered**
Chosen Option : **--**

Q.79 Moore's Law is a rule of thumb stated by Intel co-founder Gordon Moore that the number of transistors on a chip doubles every _____ months.

Ans
✘ 1. 30
✘ 2. 12
✘ 3. 24
✔ 4. 18

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Question ID : **7079669295**
Option 1 ID : **70796637180**
Option 2 ID : **70796637178**
Option 3 ID : **70796637179**
Option 4 ID : **70796637177**
Status : **Answered**
Chosen Option : **4**

Q.80 Find the missing number in the given series.

$-2.7, -2.1, -1.5, -0.9, -0.3, ?$

Ans
✔ 1. 0.3
✘ 2. 0.2
✘ 3. 0.5
✘ 4. 0.4

Question ID : **7079669354**
Option 1 ID : **70796637416**
Option 2 ID : **70796637415**
Option 3 ID : **70796637414**
Option 4 ID : **70796637413**
Status : **Answered**
Chosen Option : **1**

Q.81 The Directive Principles of State Policy in India's Constitution are borrowed from the constitution of _____.

Ans
✘ 1. Canada
✔ 2. Ireland
✘ 3. Germany
✘ 4. Britain

Question ID : **7079669276**
Option 1 ID : **70796637102**
Option 2 ID : **70796637104**
Option 3 ID : **70796637103**
Option 4 ID : **70796637101**
Status : **Not Answered**
Chosen Option : **--**

Q.82 From a 50-m-long steel bar, a workman has to cut off as many 5.25-m-long pieces as possible. What decimal fraction of the whole will be left?

Ans
✘ 1. 0.035
✘ 2. 0.045
✘ 3. 0.025
✔ 4. 0.055

Question ID : **7079669329**
Option 1 ID : **70796637316**
Option 2 ID : **70796637315**
Option 3 ID : **70796637314**
Option 4 ID : **70796637313**
Status : **Not Answered**

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Chosen Option : --

Q.83 Who was the captain of the IPL team Chennai Super Kings, in 2018?

Ans
✔ 1. Mahendra Singh Dhoni
✘ 2. Virat Kohli
✘ 3. Gautam Gambhir
✘ 4. Rohit Sharma

Question ID : **7079669282**
Option 1 ID : **70796637126**
Option 2 ID : **70796637125**
Option 3 ID : **70796637127**
Option 4 ID : **70796637128**
Status : **Answered**
Chosen Option : **1**

Q.84 Which Dadasaheb Phalke Award recipient produced and directed India's first colour film, 'Sairandhri'?

Ans
✘ 1. Birendranath Sirdar
✘ 2. Sivaji Ganesan
✘ 3. LV Prasad
✔ 4. V Shanta ram

Question ID : **7079669279**
Option 1 ID : **70796637115**
Option 2 ID : **70796637116**
Option 3 ID : **70796637114**
Option 4 ID : **70796637113**
Status : **Not Answered**
Chosen Option : **--**

Q.85 If 14 # 2 = 80, 10 # 4 = 70 and 20 # 6 = 130, then find the value of 8 # 12.

Ans
✘ 1. 2
✔ 2. 100
✘ 3. 10
✘ 4. 4

Question ID : **7079669358**
Option 1 ID : **70796637430**
Option 2 ID : **70796637432**
Option 3 ID : **70796637431**
Option 4 ID : **70796637429**
Status : **Not Answered**
Chosen Option : **--**

Q.86 A train running at a speed of 64 km/h takes 50 min to travel a certain distance. By how much should it increase its speed (in km/h) to travel the same distance in 40 min?

Ans
✘ 1. 25
✔ 2. 16

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✗ 3. 10

✗ 4. 80

Question ID : **7079669338**
Option 1 ID : **70796637352**
Option 2 ID : **70796637349**
Option 3 ID : **70796637351**
Option 4 ID : **70796637350**
Status : **Not Answered**
Chosen Option : **--**

Q.87 If the compound interest received on a certain amount in the first year is ₹1,440, what will be the compound interest for the second year on the same principal at a 10% rate of interest?

Ans

✗ 1. ₹1,540

✗ 2. ₹1,512

✗ 3. ₹1,554

✓ 4. ₹1,584

Question ID : **7079669339**
Option 1 ID : **70796637355**
Option 2 ID : **70796637356**
Option 3 ID : **70796637353**
Option 4 ID : **70796637354**
Status : **Not Answered**
Chosen Option : **--**

Q.88 A uniform meter scale weighs 50g. It is pivoted at the 70cm mark. Where should a 40 g mass be placed so that the scale is in equilibrium?

Ans

✗ 1. At the 25 cm mark

✗ 2. At the 45 cm mark

✗ 3. At the 5 cm mark

✓ 4. At the 95 cm mark

Question ID : **7079669297**
Option 1 ID : **70796637187**
Option 2 ID : **70796637185**
Option 3 ID : **70796637186**
Option 4 ID : **70796637188**
Status : **Not Answered**
Chosen Option : **--**

Q.89 Two resistors of R Ω and 15 Ω are connected in parallel to get an effective resistance of 12 Ω. Find R.

Ans

✗ 1. 75

✗ 2. 30

✓ 3. 60

✗ 4. 45

Question ID : **7079669310**
Option 1 ID : **70796637240**
Option 2 ID : **70796637237**

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Option 3 ID : **70796637239**
Option 4 ID : **70796637238**
Status : **Answered**
Chosen Option : **3**

Q.90 Classical musician Vilayat Khan is associated with which musical instrument?

Ans
✗ 1. Sarod
✗ 2. Santoor
✗ 3. Flute
✓ 4. Sitar

Question ID : **7079669284**
Option 1 ID : **70796637133**
Option 2 ID : **70796637134**
Option 3 ID : **70796637136**
Option 4 ID : **70796637135**
Status : **Not Answered**
Chosen Option : **--**

Q.91 _____° Celsius = 167 Fahrenheit

Ans
✗ 1. 103
✓ 2. 75
✗ 3. 348
✗ 4. 198

Question ID : **7079669320**
Option 1 ID : **70796637278**
Option 2 ID : **70796637277**
Option 3 ID : **70796637279**
Option 4 ID : **70796637280**
Status : **Answered**
Chosen Option : **2**

Q.92 In this question, two statements are given, followed by two conclusions labelled I and II. You have to consider the statements to be true even if they seem to be at variance with commonly known facts, and decide which of the given conclusions, if any, follow(s) from the given statements.

Statements:

No beakers are vases.
All vases are jugs.

Conclusions:

I: Some jugs are beakers.
II: Some jugs are vases.

Ans
✗ 1. Both conclusions I and II follow.
✗ 2. Only conclusion I follows.
✓ 3. Only conclusion II follows.
✗ 4. Neither conclusion I nor II follows.

Question ID : **7079669363**

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Option 1 ID : **70796637451**
Option 2 ID : **70796637449**
Option 3 ID : **70796637450**
Option 4 ID : **70796637452**
Status : **Answered**
Chosen Option : **3**

Q.93 If '+' represents '×', '÷' represents '+', '−' represents '÷' and 'x' represents '−', then find the value of the following expression.

$8 + 4 \div 15 - 3 \times 1$

Ans
✗ 1. 17
✓ 2. 36
✗ 3. 10
✗ 4. 14

Question ID : **7079669357**
Option 1 ID : **70796637427**
Option 2 ID : **70796637428**
Option 3 ID : **70796637425**
Option 4 ID : **70796637426**
Status : **Answered**
Chosen Option : **2**

Q.94 Henry Cavendish discovered _____ in 1766.

Ans
✗ 1. helium
✓ 2. hydrogen
✗ 3. chlorine
✗ 4. oxygen

Question ID : **7079669280**
Option 1 ID : **70796637119**
Option 2 ID : **70796637118**
Option 3 ID : **70796637117**
Option 4 ID : **70796637120**
Status : **Not Answered**
Chosen Option : **--**

Q.95 The weights of three boxes are 3 kg, 8 kg and 12 kg. Which of the following CANNOT be the total weight, in kg, of any combination of these boxes?

Ans
✗ 1. 15
✓ 2. 21
✗ 3. 23
✗ 4. 20

Question ID : **7079669374**
Option 1 ID : **70796637493**
Option 2 ID : **70796637495**
Option 3 ID : **70796637496**
Option 4 ID : **70796637494**
Status : **Answered**
Chosen Option : **3**

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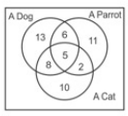
Q.96 The given Venn diagram shows the pet(s) that each house in a society has. How many houses have only two pets?



Ans
1. 15
2. 21
3. 5
4. 16

Question ID : **7079669362**
Option 1 ID : **70796637448**
Option 2 ID : **70796637447**
Option 3 ID : **70796637445**
Option 4 ID : **70796637446**
Status : **Not Answered**
Chosen Option : **--**

Q.97 Name the celebrity who has authored 'Mrs. Funnybones'?

Ans
1. Twinkle Khanna
2. Bipasha Basu
3. Shraddha Kapoor
4. Sonakshi Sinha

Question ID : **7079669281**
Option 1 ID : **70796637122**
Option 2 ID : **70796637121**
Option 3 ID : **70796637123**
Option 4 ID : **70796637124**
Status : **Answered**
Chosen Option : **1**

Q.98 A block of metal of mass 500 g has a relative density of 2.5. What will be its apparent mass when it is fully immersed in water?

Ans
1. 250 g
2. 200 g
3. 300 g
4. 400 g

Question ID : **7079669314**
Option 1 ID : **70796637255**
Option 2 ID : **70796637254**
Option 3 ID : **70796637253**
Option 4 ID : **70796637256**
Status : **Not Answered**
Chosen Option : **--**

Q.99 Find the density (in kg/m^3) of a piece of wood of dimensions 6 cm × 8 cm × 5 cm, and weight 1.92 N. (Use $g=10m/s^2$)

Ans
1. 800

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✗ 2. 8,000

✗ 3. 300

✗ 4. 3,000

Question ID : **7079669304**
Option 1 ID : **70796637216**
Option 2 ID : **70796637213**
Option 3 ID : **70796637215**
Option 4 ID : **70796637214**
Status : **Not Answered**
Chosen Option : **--**

Q.100 Part of a sentence has been divided into three segments, which are jumbled up and given along with the unjumbled part. Rearrange the parts of the sentence in correct order.

I'd just remembered that our
X: every once in a while, so our changing
Y: rooms were movable, on wheels
Z: owner liked to change the decor of the boutique

Ans

✓ 1. ZXY

✗ 2. XZY

✗ 3. ZYX

✗ 4. YXZ

Question ID : **7079669372**
Option 1 ID : **70796637488**
Option 2 ID : **70796637486**
Option 3 ID : **70796637485**
Option 4 ID : **70796637487**
Status : **Answered**
Chosen Option : **1**

Section : **Electronics Mechanic**

Q.1 What is the internal general purpose memory of 8051 micro controller?

Ans

✗ 1. 16 Byte

✓ 2. 128 Byte

✗ 3. 8 Byte

✗ 4. 64 Byte

Question ID : **7079669441**
Option 1 ID : **70796637762**
Option 2 ID : **70796637764**
Option 3 ID : **70796637761**
Option 4 ID : **70796637763**
Status : **Not Answered**
Chosen Option : **--**

Q.2 In an amplifier with a negative feedback circuit, gain Af is given by:

Ans

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✗ 1. Af=(1+Am)/A

✗ 2. Af=(1-Am)/A

✗ 3. Af=A/(1-AM)

✓ 4. Af=A/(1+Am)

Question ID : **7079669398**
Option 1 ID : **70796637591**
Option 2 ID : **70796637592**
Option 3 ID : **70796637590**
Option 4 ID : **70796637589**
Status : **Answered**
Chosen Option : **4**

Q.3 The full form of LED is:

Ans

✓ 1. Light Emitting Diode

✗ 2. Lowlight Erecting Diode

✗ 3. Light Editing Diode

✗ 4. Light Erecting Diode

Question ID : **7079669407**
Option 1 ID : **70796637625**
Option 2 ID : **70796637628**
Option 3 ID : **70796637626**
Option 4 ID : **70796637627**
Status : **Answered**
Chosen Option : **1**

Q.4 An optical fiber is a cylindrical dielectric waveguide that transmits _____ along its axis.

Ans

✗ 1. ultra violet rays

✓ 2. light

✗ 3. X rays

✗ 4. gama rays

Question ID : **7079669426**
Option 1 ID : **70796637704**
Option 2 ID : **70796637703**
Option 3 ID : **70796637701**
Option 4 ID : **70796637702**
Status : **Answered**
Chosen Option : **2**

Q.5 Which among the following is used as receiver in fiber optic communication?

Ans

✗ 1. LDR

✗ 2. LED

✓ 3. Photo Transistor

✗ 4. LASER Diode

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Question ID : **7079669416**
Option 1 ID : **70796637664**
Option 2 ID : **70796637661**
Option 3 ID : **70796637663**
Option 4 ID : **70796637662**
Status : **Answered**
Chosen Option : **1**

Q.6 DA converter is a part of:

Ans
✗ 1. odometer
✗ 2. analog meter
✗ 3. panel board meter
✓ 4. proximity sensor

Question ID : **7079669410**
Option 1 ID : **70796637640**
Option 2 ID : **70796637638**
Option 3 ID : **70796637639**
Option 4 ID : **70796637637**
Status : **Not Answered**
Chosen Option : **--**

Q.7 Mobile phones/cell phones consist of a small _____ and _____.

Ans
✗ 1. transmitter; microphone
✗ 2. walky; talky
✓ 3. transmitter; receiver
✗ 4. transmitter; speaker

Question ID : **7079669433**
Option 1 ID : **70796637731**
Option 2 ID : **70796637730**
Option 3 ID : **70796637732**
Option 4 ID : **70796637729**
Status : **Answered**
Chosen Option : **3**

Q.8 Which one of the following is a photo-voltaic module?

Ans
✗ 1. Zener modules
✗ 2. Rectifier modules
✗ 3. Transistor modules
✓ 4. Solar modules

Question ID : **7079669432**
Option 1 ID : **70796637726**
Option 2 ID : **70796637727**
Option 3 ID : **70796637728**
Option 4 ID : **70796637725**
Status : **Not Answered**
Chosen Option : **--**

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Q.9 Convert decimal 32 to hexadecimal.

Ans
✔ 1. 20
✘ 2. 30
✘ 3. 10
✘ 4. 40

Question ID : **7079669450**
Option 1 ID : **70796637798**
Option 2 ID : **70796637799**
Option 3 ID : **70796637797**
Option 4 ID : **70796637800**
Status : **Not Answered**
Chosen Option : **--**

Q.10 _____ is the Input voltage Specification of a UPS. Choose from the given option

Ans
✘ 1. 208V/120 V and 50/60 Hz
✔ 2. Regulation + or - 3%
✘ 3. 20 µ F
✘ 4. 100 A

Question ID : **7079669431**
Option 1 ID : **70796637721**
Option 2 ID : **70796637722**
Option 3 ID : **70796637724**
Option 4 ID : **70796637723**
Status : **Answered**
Chosen Option : **1**

Q.11 Which type of feedback is used in case of an oscillator circuit?

Ans
✘ 1. Zero
✔ 2. Positive
✘ 3. Negative
✘ 4. Unity

Question ID : **7079669443**
Option 1 ID : **70796637772**
Option 2 ID : **70796637769**
Option 3 ID : **70796637770**
Option 4 ID : **70796637771**
Status : **Answered**
Chosen Option : **2**

Q.12 If an amplifier circuit has negative feedback, then gain:

Ans
✘ 1. increases and decreases
✘ 2. stays constant
✘ 3. increases

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✔ 4. decrease

Question ID : **7079669399**
Option 1 ID : **70796637596**
Option 2 ID : **70796637595**
Option 3 ID : **70796637593**
Option 4 ID : **70796637594**
Status : **Answered**
Chosen Option : **4**

Q.13 Which of the following is a cell phone component?

Ans
✘ 1. SPTS
✘ 2. Relay
✔ 3. An Antenna
✘ 4. DPDS

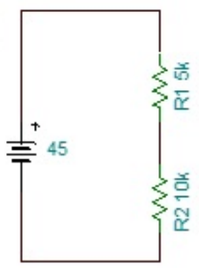
Question ID : **7079669434**
Option 1 ID : **70796637733**
Option 2 ID : **70796637735**
Option 3 ID : **70796637734**
Option 4 ID : **70796637736**
Status : **Answered**
Chosen Option : **3**

Q.14 Which of the following computer hardware contains a laser?

Ans
✘ 1. RAM
✔ 2. CD Drive
✘ 3. Hard Disk Drive
✘ 4. Floppy Drive

Question ID : **7079669389**
Option 1 ID : **70796637556**
Option 2 ID : **70796637555**
Option 3 ID : **70796637554**
Option 4 ID : **70796637553**
Status : **Answered**
Chosen Option : **4**

Q.15 In the path given below, what is the voltage across R1 resistor?



Ans
✘ 1. 20
✘ 2. 10

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✔ 3. 15
✘ 4. 30

Question ID : **7079669378**
Option 1 ID : **70796637510**
Option 2 ID : **70796637509**
Option 3 ID : **70796637511**
Option 4 ID : **70796637512**
Status : **Answered**
Chosen Option : **3**

Q.16 Additional heat is dissipated from power transistor by using

Ans
✘ 1. mica sheet and heat sink
✘ 2. silicon paste.
✘ 3. mica sheet
✔ 4. heat sink

Question ID : **7079669396**
Option 1 ID : **70796637583**
Option 2 ID : **70796637584**
Option 3 ID : **70796637581**
Option 4 ID : **70796637582**
Status : **Answered**
Chosen Option : **4**

Q.17 Which of the following has superior bandwidth and temperature stability?

Ans
✘ 1. PNPN diode
✔ 2. Photo diode
✘ 3. Zener diode
✘ 4. PN diode

Question ID : **7079669412**
Option 1 ID : **70796637648**
Option 2 ID : **70796637647**
Option 3 ID : **70796637646**
Option 4 ID : **70796637645**
Status : **Not Answered**
Chosen Option : **--**

Q.18 What are the XTAL 1 and XTAL 2 pins numbers for 8051?

Ans
✘ 1. 15 and 16
✔ 2. 18 and 19
✘ 3. 12 and 13
✘ 4. 17 and 18

Question ID : **7079669422**
Option 1 ID : **70796637685**
Option 2 ID : **70796637686**
Option 3 ID : **70796637688**

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Option 4 ID : **70796637687**
Status : **Answered**
Chosen Option : **3**

Q.19 Which of the following software is used for electronic circuit simulation?

Ans
✔ 1. P Spice
✘ 2. Photoshop
✘ 3. Firefox
✘ 4. Windows 10

Question ID : **7079669388**
Option 1 ID : **70796637549**
Option 2 ID : **70796637550**
Option 3 ID : **70796637552**
Option 4 ID : **70796637551**
Status : **Answered**
Chosen Option : **1**

Q.20 After crossing the peak point, UJT resistance becomes _____.

Ans
✘ 1. Low
✘ 2. Infinite
✘ 3. Zero
✔ 4. Negative

Question ID : **7079669449**
Option 1 ID : **70796637794**
Option 2 ID : **70796637793**
Option 3 ID : **70796637795**
Option 4 ID : **70796637796**
Status : **Not Answered**
Chosen Option : **--**

Q.21 Which of the following losses can be observed in a transformer when it is NOT connected to any load?

Ans
✘ 1. Copper Loss
✔ 2. Core Loss
✘ 3. Thermal Loss
✘ 4. Voltage Loss

Question ID : **7079669383**
Option 1 ID : **70796637529**
Option 2 ID : **70796637530**
Option 3 ID : **70796637531**
Option 4 ID : **70796637532**
Status : **Answered**
Chosen Option : **1**

Q.22 BC147 is the transistor used for:

Ans

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✗ 1. RF power amplifier

✗ 2. amplification of AF and RF signal

✓ 3. amplification of AF signal

✗ 4. amplification of RF signal

Question ID : **7079669395**
Option 1 ID : **70796637580**
Option 2 ID : **70796637579**
Option 3 ID : **70796637578**
Option 4 ID : **70796637577**
Status : **Not Answered**
Chosen Option : **--**

Q.23 Which of the following is a feature of SMPS?

Ans

✓ 1. High efficiency

✗ 2. AF gain

✗ 3. Power buck

✗ 4. RF gain

Question ID : **7079669415**
Option 1 ID : **70796637657**
Option 2 ID : **70796637658**
Option 3 ID : **70796637660**
Option 4 ID : **70796637659**
Status : **Answered**
Chosen Option : **3**

Q.24 What is the operating point of a transistor as an amplifier known as?

Ans

✓ 1. Quiescent Point

✗ 2. Cutoff Point

✗ 3. Saturation Point

✗ 4. Flood In Point

Question ID : **7079669442**
Option 1 ID : **70796637768**
Option 2 ID : **70796637767**
Option 3 ID : **70796637765**
Option 4 ID : **70796637766**
Status : **Answered**
Chosen Option : **1**

Q.25 What is the function of the discharge transistor in a 555 timer circuit?

Ans

✗ 1. To start the timing by charging the external capacitor

✗ 2. To stop the timing by charging the external capacitor

✗ 3. To stop the timing by discharging the external capacitor

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✔ 4. To start the timing by discharging the external capacitor

Question ID : **7079669445**
Option 1 ID : **70796637779**
Option 2 ID : **70796637777**
Option 3 ID : **70796637780**
Option 4 ID : **70796637778**
Status : **Answered**
Chosen Option : **3**

Q.26 For Clipping of input AC signal a _____ is used.

Ans
✔ 1. Diode
✘ 2. FET
✘ 3. Transistor
✘ 4. Triode

Question ID : **7079669402**
Option 1 ID : **70796637606**
Option 2 ID : **70796637608**
Option 3 ID : **70796637605**
Option 4 ID : **70796637607**
Status : **Answered**
Chosen Option : **1**

Q.27 UJT has:

Ans
✔ 1. negative characteristics
✘ 2. no positive or negative characteristics
✘ 3. positive characteristics
✘ 4. both positive and negative characteristics

Question ID : **7079669404**
Option 1 ID : **70796637614**
Option 2 ID : **70796637616**
Option 3 ID : **70796637613**
Option 4 ID : **70796637615**
Status : **Answered**
Chosen Option : **4**

Q.28 NPN Transistor proper biasing for conduction is

Ans
✔ 1. base, emitter forward bias and collector , emitter reverse bias
✘ 2. base, emitter forward bias and collector, emitter forward bias
✘ 3. base, emitter reverse bias and collector, emitter forward bias
✘ 4. base direct and collector direct

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Question ID : **7079669393**
Option 1 ID : **70796637570**
Option 2 ID : **70796637571**
Option 3 ID : **70796637569**
Option 4 ID : **70796637572**
Status : **Answered**
Chosen Option : **1**

Q.29 Beta is the ratio of:

Ans
✗ 1. base current to collector current
✗ 2. collector current to emitter current
✗ 3. emitter to collector
✓ 4. collector current to base current

Question ID : **7079669392**
Option 1 ID : **70796637567**
Option 2 ID : **70796637566**
Option 3 ID : **70796637568**
Option 4 ID : **70796637565**
Status : **Answered**
Chosen Option : **4**

Q.30 Select the correct UPS output specifications.

Ans
✓ 1. Regulation + or - 3%
✗ 2. 40 W
✗ 3. 20 µ F
✗ 4. 100 A

Question ID : **7079669417**
Option 1 ID : **70796637666**
Option 2 ID : **70796637665**
Option 3 ID : **70796637668**
Option 4 ID : **70796637667**
Status : **Answered**
Chosen Option : **2**

Q.31 Pulses of Light are used in _____ for communication system to transmit information.

Ans
✗ 1. FM Transmitter
✗ 2. AM Transmitter
✗ 3. Digital Transmitter
✓ 4. Fiber Optic Transmitter

Question ID : **7079669411**
Option 1 ID : **70796637642**
Option 2 ID : **70796637641**
Option 3 ID : **70796637643**
Option 4 ID : **70796637644**
Status : **Answered**
Chosen Option : **4**

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Q.32 TV channel frequencies are assigned in the 54 to 806 MHz range for the division of _____ TV channels.

Ans
1. 76 ✗
2. 86 ✗
3. 68 ✓
4. 78 ✗

Question ID : **7079669439**
Option 1 ID : **70796637756**
Option 2 ID : **70796637753**
Option 3 ID : **70796637754**
Option 4 ID : **70796637755**
Status : **Not Answered**
Chosen Option : **--**

Q.33 In which of the following transistor configuration is the amplifier voltage gain the lowest?

Ans
1. Emitter Coupled ✗
2. Common Collector ✓
3. Common Base ✗
4. Common Emitter ✗

Question ID : **7079669448**
Option 1 ID : **70796637791**
Option 2 ID : **70796637792**
Option 3 ID : **70796637790**
Option 4 ID : **70796637789**
Status : **Answered**
Chosen Option : **4**

Q.34 In two stage RC coupling, the function of a Cc capacitor is to:

Ans
1. pass AC and DC ✗
2. block AC and DC ✗
3. block the AC i/p ✗
4. block the DC Voltage ✓

Question ID : **7079669397**
Option 1 ID : **70796637588**
Option 2 ID : **70796637587**
Option 3 ID : **70796637585**
Option 4 ID : **70796637586**
Status : **Not Answered**
Chosen Option : **--**

Q.35 Select the communication device which works on Full Duplex Communication Channel.

Ans
1. Telegraph ✗
2. Mobile ✓
3. Walky talky ✗

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✗ 4. TV

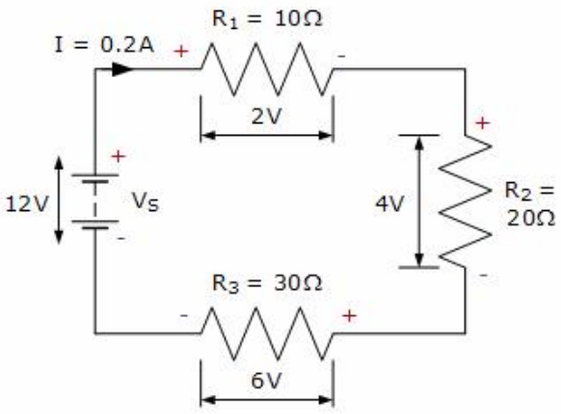
Question ID : **7079669419**
Option 1 ID : **70796637673**
Option 2 ID : **70796637675**
Option 3 ID : **70796637674**
Option 4 ID : **70796637676**
Status : **Answered**
Chosen Option : **2**

Q.36 The Size of internal RAM of 8051 Microcontroller is?

Ans
✗ 1. 128 Bytes
✓ 2. 256 Bytes
✗ 3. 16 Bytes
✗ 4. 64 Bytes

Question ID : **7079669379**
Option 1 ID : **70796637514**
Option 2 ID : **70796637516**
Option 3 ID : **70796637513**
Option 4 ID : **70796637515**
Status : **Answered**
Chosen Option : **3**

Q.37 Which among the following laws is shown in the given figure?



Ans
✓ 1. KVL
✗ 2. Ohm's Law
✗ 3. KCL
✗ 4. Faraday's Law

Question ID : **7079669385**
Option 1 ID : **70796637538**
Option 2 ID : **70796637537**
Option 3 ID : **70796637539**
Option 4 ID : **70796637540**
Status : **Answered**

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Chosen Option : **1**

Q.38 What is the type of transformer used in home inverters to power from a 12V battery?

Ans
✔ 1. Step-up
✘ 2. One to one
✘ 3. Star to delta
✘ 4. Step-down

Question ID : **7079669384**
Option 1 ID : **70796637535**
Option 2 ID : **70796637533**
Option 3 ID : **70796637534**
Option 4 ID : **70796637536**
Status : **Answered**
Chosen Option : **1**

Q.39 Side by side stack drivers are mounted on:

Ans
✘ 1. SMPS
✔ 2. LED Drivers
✘ 3. Low Power Supply
✘ 4. UPS

Question ID : **7079669436**
Option 1 ID : **70796637741**
Option 2 ID : **70796637743**
Option 3 ID : **70796637744**
Option 4 ID : **70796637742**
Status : **Not Answered**
Chosen Option : **--**

Q.40 Which among the following Electronic component works with the principle of Light to Voltage conversion?

Ans
✘ 1. Bridge rectifier
✘ 2. Zener diode
✘ 3. Half-wave rectifier
✔ 4. Solar cells

Question ID : **7079669418**
Option 1 ID : **70796637671**
Option 2 ID : **70796637670**
Option 3 ID : **70796637672**
Option 4 ID : **70796637669**
Status : **Answered**
Chosen Option : **4**

Q.41 What is the use of 'Ctrl + r' key in Microsoft Word

Ans
✘ 1. Move the cursor to the bottom of a page
✘ 2. Move the cursor to the left of a page

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✗ 3. Move the cursor to the middle of a page

✓ 4. Move the cursor to the right of a page

Question ID : **7079669390**
Option 1 ID : **70796637559**
Option 2 ID : **70796637558**
Option 3 ID : **70796637560**
Option 4 ID : **70796637557**
Status : **Answered**
Chosen Option : **4**

Q.42 Which of the following is a type of UPS?

Ans

✓ 1. Line interactive

✗ 2. By-stand by UPS

✗ 3. Un-stand by UPS types

✗ 4. Uni-stand by UPS types

Question ID : **7079669430**
Option 1 ID : **70796637717**
Option 2 ID : **70796637720**
Option 3 ID : **70796637718**
Option 4 ID : **70796637719**
Status : **Answered**
Chosen Option : **1**

Q.43 As the colour varies, forward voltage varies, in:

Ans

✓ 1. LED

✗ 2. LCD TV

✗ 3. Colour TV

✗ 4. LED TV

Question ID : **7079669421**
Option 1 ID : **70796637684**
Option 2 ID : **70796637683**
Option 3 ID : **70796637681**
Option 4 ID : **70796637682**
Status : **Not Answered**
Chosen Option : **--**

Q.44 Which of the following is a sensor that is able to detect objects without any physical contact?

Ans

✗ 1. Electron beam

✗ 2. Laser beam

✓ 3. Proximity sensor

✗ 4. X ray

Question ID : **7079669424**
Option 1 ID : **70796637696**

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Option 2 ID : **70796637694**
Option 3 ID : **70796637693**
Option 4 ID : **70796637695**
Status : **Answered**
Chosen Option : **3**

Q.45 Which of the given cores of an inductor will have the highest inductance?

Ans
✔ 1. Iron
✘ 2. Copper
✘ 3. Wood
✘ 4. Air

Question ID : **7079669380**
Option 1 ID : **70796637517**
Option 2 ID : **70796637518**
Option 3 ID : **70796637519**
Option 4 ID : **70796637520**
Status : **Answered**
Chosen Option : **2**

Q.46 Which force is responsible for the flow of electron from point A to B through a conductor?

Ans
✘ 1. Heat
✘ 2. Current
✔ 3. Voltage
✘ 4. Resistance

Question ID : **7079669376**
Option 1 ID : **70796637501**
Option 2 ID : **70796637502**
Option 3 ID : **70796637503**
Option 4 ID : **70796637504**
Status : **Answered**
Chosen Option : **3**

Q.47 Which among the following devices is a P-N junction diode with 3 terminals, as per construction

Ans
✘ 1. BJT
✘ 2. FET
✔ 3. UJT
✘ 4. SCR

Question ID : **7079669446**
Option 1 ID : **70796637783**
Option 2 ID : **70796637784**
Option 3 ID : **70796637782**
Option 4 ID : **70796637781**
Status : **Answered**
Chosen Option : **1**

Q.48 Which of the following gates gives output 1 when any one of the input is 1?

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Ans
✔ 1. OR
✘ 2. NOT
✘ 3. NOR
✘ 4. AND

Question ID : **7079669413**
Option 1 ID : **70796637651**
Option 2 ID : **70796637650**
Option 3 ID : **70796637649**
Option 4 ID : **70796637652**
Status : **Answered**
Chosen Option : **1**

Q.49 In which type of counter is the last stage of shift register fed back to D of first stage?

Ans
✘ 1. Ring
✘ 2. Round
✔ 3. Johnson
✘ 4. Strait

Question ID : **7079669444**
Option 1 ID : **70796637774**
Option 2 ID : **70796637773**
Option 3 ID : **70796637775**
Option 4 ID : **70796637776**
Status : **Not Answered**
Chosen Option : **--**

Q.50 What is the decimal value for HEX 2A

Ans
✘ 1. 22
✔ 2. 42
✘ 3. 32
✘ 4. 12

Question ID : **7079669447**
Option 1 ID : **70796637786**
Option 2 ID : **70796637788**
Option 3 ID : **70796637787**
Option 4 ID : **70796637785**
Status : **Not Answered**
Chosen Option : **--**

Q.51 The output of SMPS is _____.

Ans
✘ 1. pulsating DC
✘ 2. voltage sweep
✘ 3. AC
✔ 4. DC

Question ID : **7079669440**

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Option 1 ID : **70796637759**
Option 2 ID : **70796637757**
Option 3 ID : **70796637760**
Option 4 ID : **70796637758**
Status : **Answered**
Chosen Option : **2**

Q.52 The input impedance of an ideal Op-amp is _____.

Ans
✗ 1. 100 Ω
✓ 2. Infinite
✗ 3. Unity
✗ 4. Zero

Question ID : **7079669420**
Option 1 ID : **70796637680**
Option 2 ID : **70796637679**
Option 3 ID : **70796637678**
Option 4 ID : **70796637677**
Status : **Answered**
Chosen Option : **2**

Q.53 A PN junction diode that _____ when activated is called a/an _____.

Ans
✗ 1. emits photons; LCD
✗ 2. emits electrons; diode
✗ 3. emits electrons; regulator
✓ 4. emits light; LED

Question ID : **7079669435**
Option 1 ID : **70796637739**
Option 2 ID : **70796637737**
Option 3 ID : **70796637738**
Option 4 ID : **70796637740**
Status : **Answered**
Chosen Option : **4**

Q.54 Hue and saturation are said to collectively describe the:

Ans
✓ 1. chromaticity of TV
✗ 2. brightness of TV
✗ 3. luminance of TV
✗ 4. AGC of TV

Question ID : **7079669438**
Option 1 ID : **70796637750**
Option 2 ID : **70796637751**
Option 3 ID : **70796637749**
Option 4 ID : **70796637752**
Status : **Answered**
Chosen Option : **1**

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Q.55 12 V DC and 24 V DC are general operating voltages for:

Ans
1. multi meter
2. analog and digital panel meter
3. industrial lighting
4. domestic lighting

Question ID : **7079669427**
Option 1 ID : **70796637708**
Option 2 ID : **70796637707**
Option 3 ID : **70796637706**
Option 4 ID : **70796637705**
Status : **Answered**
Chosen Option : **1**

Q.56 Which of the following is a part of SMPS component?

Ans
1. Output filter coil
2. MOSFET
3. Zener diode
4. FET

Question ID : **7079669414**
Option 1 ID : **70796637655**
Option 2 ID : **70796637654**
Option 3 ID : **70796637656**
Option 4 ID : **70796637653**
Status : **Not Answered**
Chosen Option : **--**

Q.57 What is the resultant voltage generated by a 2-Li-Ion cell connected to one lead acid automobile battery in series

Ans
1. 20.4 V
2. 17.4 V
3. 19.4 V
4. 12.5 V

Question ID : **7079669382**
Option 1 ID : **70796637528**
Option 2 ID : **70796637526**
Option 3 ID : **70796637527**
Option 4 ID : **70796637525**
Status : **Not Answered**
Chosen Option : **--**

Q.58 Which of the following converts sound signal into electrical signal?

Ans
1. Microphone
2. Transformer
3. Speaker

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✗ 4. Crystal

Question ID : **7079669423**
Option 1 ID : **70796637692**
Option 2 ID : **70796637691**
Option 3 ID : **70796637689**
Option 4 ID : **70796637690**
Status : **Answered**
Chosen Option : **1**

Q.59 When no ac input signals are connected to CE Transistor Load line can be plotted _____

Ans
✗ 1. VCE vs VCC
✗ 2. VCE vs VEE
✗ 3. VCE vs Ib
✓ 4. VCE vs Ic

Question ID : **7079669394**
Option 1 ID : **70796637574**
Option 2 ID : **70796637576**
Option 3 ID : **70796637573**
Option 4 ID : **70796637575**
Status : **Not Answered**
Chosen Option : **--**

Q.60 Field Effect transistor is:

Ans
✗ 1. three junction
✗ 2. neither unijunction nor bijunction transistor
✗ 3. unijunction transistor
✓ 4. Bijunction

Question ID : **7079669403**
Option 1 ID : **70796637612**
Option 2 ID : **70796637611**
Option 3 ID : **70796637609**
Option 4 ID : **70796637610**
Status : **Not Answered**
Chosen Option : **--**

Q.61 Which among the following is full form of SMPS

Ans
✗ 1. Switch Mode Power Support.
✗ 2. Single Mode Power Supply
✗ 3. Switch on Mode Power Supply
✓ 4. Switched Mode Power Supply

Question ID : **7079669428**
Option 1 ID : **70796637710**
Option 2 ID : **70796637712**
Option 3 ID : **70796637711**

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Option 4 ID : **70796637709**
Status : **Answered**
Chosen Option : **1**

Q.62 Which among the following instruments can generate sine wave with variable frequency and amplitude?

Ans
✗ 1. CRO
✓ 2. Function generator
✗ 3. LCR meter
✗ 4. DSO

Question ID : **7079669387**
Option 1 ID : **70796637545**
Option 2 ID : **70796637546**
Option 3 ID : **70796637548**
Option 4 ID : **70796637547**
Status : **Answered**
Chosen Option : **2**

Q.63 The SMPS is used to transform power from AC or DC to:

Ans
✗ 1. AC and DC load
✗ 2. AC load
✗ 3. RLC circuit load
✓ 4. DC load

Question ID : **7079669429**
Option 1 ID : **70796637715**
Option 2 ID : **70796637713**
Option 3 ID : **70796637716**
Option 4 ID : **70796637714**
Status : **Not Answered**
Chosen Option : **--**

Q.64 Scale of PMMC instrument is _____.

Ans
✗ 1. Cubed
✗ 2. 4^{th} power
✓ 3. Uniform
✗ 4. Squared

Question ID : **7079669386**
Option 1 ID : **70796637543**
Option 2 ID : **70796637541**
Option 3 ID : **70796637544**
Option 4 ID : **70796637542**
Status : **Not Answered**
Chosen Option : **--**

Q.65 Photo transistor is used for:

Ans

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✗ 1. direct coupling

✗ 2. LC coupling

✗ 3. RC coupling

✓ 4. isolation

Question ID : **7079669408**
Option 1 ID : **70796637629**
Option 2 ID : **70796637632**
Option 3 ID : **70796637631**
Option 4 ID : **70796637630**
Status : **Not Answered**
Chosen Option : **--**

Q.66 Darlington pair is used for:

Ans

✗ 1. voltage and current amplification

✓ 2. current amplification

✗ 3. voltage amplification.

✗ 4. power amplification.

Question ID : **7079669400**
Option 1 ID : **70796637600**
Option 2 ID : **70796637598**
Option 3 ID : **70796637597**
Option 4 ID : **70796637599**
Status : **Not Answered**
Chosen Option : **--**

Q.67 What is the peak to peak voltage for an AC voltage with RMS 220 V? (Consider square root of 2 as 1.4)

Ans

✗ 1. 110 V

✓ 2. 616 V

✗ 3. 250 V

✗ 4. 308 V

Question ID : **7079669377**
Option 1 ID : **70796637508**
Option 2 ID : **70796637506**
Option 3 ID : **70796637507**
Option 4 ID : **70796637505**
Status : **Not Answered**
Chosen Option : **--**

Q.68 Fibre optic power meters have input for attaching fibre optic connector and detector to capture:

Ans

✗ 1. gama rays

✓ 2. light rays

✗ 3. X rays

✗ 4. Ultra violet rays

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Question ID : **7079669425**
Option 1 ID : **70796637698**
Option 2 ID : **70796637699**
Option 3 ID : **70796637697**
Option 4 ID : **70796637700**
Status : **Answered**
Chosen Option : **2**

Q.69 Which one of the following TV technology displays Image by blocking white light

Ans
✔ 1. LCD TV
✘ 2. Colour TV
✘ 3. Portable black and white TV
✘ 4. Black and white TV

Question ID : **7079669437**
Option 1 ID : **70796637747**
Option 2 ID : **70796637746**
Option 3 ID : **70796637748**
Option 4 ID : **70796637745**
Status : **Answered**
Chosen Option : **1**

Q.70 Schmitt trigger is used in:

Ans
✘ 1. Hartley Oscillator
✘ 2. Crystal Oscillator
✘ 3. Colpitts Oscillator
✔ 4. Relaxation Oscillator

Question ID : **7079669401**
Option 1 ID : **70796637601**
Option 2 ID : **70796637603**
Option 3 ID : **70796637602**
Option 4 ID : **70796637604**
Status : **Answered**
Chosen Option : **1**

Q.71 UJT is used to generate:

Ans
✘ 1. sine wave
✘ 2. square wave
✘ 3. triangle wave
✔ 4. sawtooth wave

Question ID : **7079669405**
Option 1 ID : **70796637617**
Option 2 ID : **70796637618**
Option 3 ID : **70796637619**
Option 4 ID : **70796637620**
Status : **Answered**

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Chosen Option : **2**

Q.72 MOSFET has:

Ans
✗ 1. low input resistance and high output resistance
✗ 2. high input resistance and high output resistance
✗ 3. low input resistance and low output resistance
✓ 4. high input resistance and low output resistance

Question ID : **7079669406**
Option 1 ID : **70796637621**
Option 2 ID : **70796637622**
Option 3 ID : **70796637624**
Option 4 ID : **70796637623**
Status : **Not Answered**
Chosen Option : **--**

Q.73 Which of the following converts a physical parameter to an electrical signal?

Ans
✗ 1. Transformer
✗ 2. Crystal
✗ 3. Speaker
✓ 4. Transducer

Question ID : **7079669409**
Option 1 ID : **70796637635**
Option 2 ID : **70796637634**
Option 3 ID : **70796637633**
Option 4 ID : **70796637636**
Status : **Answered**
Chosen Option : **4**

Q.74 What is WAN, with respect to computer network?

Ans
✗ 1. Wireless Area Network
✓ 2. Wide Area Network
✗ 3. Wired Area Network
✗ 4. World Area Network

Question ID : **7079669391**
Option 1 ID : **70796637561**
Option 2 ID : **70796637563**
Option 3 ID : **70796637562**
Option 4 ID : **70796637564**
Status : **Answered**
Chosen Option : **2**

Q.75 What is the voltage generated by an alkaline cell used in wall clock?

Ans
✗ 1. 1.2 V
✓ 2. 1.5 V

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3. 0.7 V

4. 1.0 V

Question ID : **7079669381**
Option 1 ID : **70796637523**
Option 2 ID : **70796637524**
Option 3 ID : **70796637521**
Option 4 ID : **70796637522**
Status : **Answered**
Chosen Option : **2**

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