



RAILWAY RECRUITMENT BOARDS

रेलवे भर्ती बोर्ड

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

Roll No:	www.exammix.com
Participants Name:	
Test Center Name:	Oriental University Indore
Test Date:	23/01/2019
Test Time:	12:30 PM - 3:00 PM
Subject:	Part A and Exam Trade : Electronics Mechanic

- Options shown in green color with a tick icon are correct
- Chosen option on top right of the question indicates the option selected by the candidate
- 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 Name the celebrity who has authored 'Mrs. Funnybones'?

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

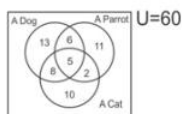
Question ID : 7079669281
 Option 1 ID : 70796637124
 Option 2 ID : 70796637121
 Option 3 ID : 70796637123
 Option 4 ID : 70796637122
 Status : Answered
 Chosen Option : 4

Q.2 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. 48
 - ☒ 2. 56
 - ☒ 3. 40
 - ☒ 4. 52

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

Q.3 The given Venn diagram shows the pet(s) that each house in a society has. How many houses have only two pets?



- Ans ☒ 1. 16
☒ 2. 5
☒ 3. 21
☒ 4. 15

Question ID : 7079669362

Option 1 ID : 70796637446

Option 2 ID : 70796637445

Option 3 ID : 70796637447

Option 4 ID : 70796637448

Status : Answered

Chosen Option : 1

Q.4 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. 40%
☒ 2. 144%
☒ 3. 156%
☒ 4. 48%

Question ID : 7079669341

Option 1 ID : 70796637361

Option 2 ID : 70796637363

Option 3 ID : 70796637362

Option 4 ID : 70796637364

Status : Not Answered

Chosen Option : --

Q.5 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. $25/8$
☒ 4. $-5/14$

Question ID : 7079669342

Option 1 ID : 70796637365

Option 2 ID : 70796637367

Option 3 ID : 70796637366

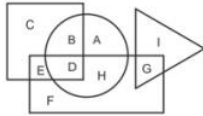
Option 4 ID : 70796637368

Status : Answered

Chosen Option : 1

Q.6

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. C
 - ☒ 2. EF
 - ☒ 3. I
 - ☒ 4. A

Question ID : 7079669361

Option 1 ID : 70796637441

Option 2 ID : 70796637444

Option 3 ID : 70796637442

Option 4 ID : 70796637443

Status : Answered

Chosen Option : 2

Q.7 A/An _____ is an interface on a computer to which you can connect a device.

- Ans
- ☒ 1. array
 - ☒ 2. port
 - ☒ 3. dongle
 - ☒ 4. anime

Question ID : 7079669325

Option 1 ID : 70796637298

Option 2 ID : 70796637299

Option 3 ID : 70796637300

Option 4 ID : 70796637297

Status : Answered

Chosen Option : 2

Q.8 Choose the word that is different from the rest.

- Ans
- ☒ 1. Stream
 - ☒ 2. Pond
 - ☒ 3. Lake
 - ☒ 4. Pool

Question ID : 7079669367

Option 1 ID : 70796637468

Option 2 ID : 70796637465

Option 3 ID : 70796637466

Option 4 ID : 70796637467

Status : Answered

Chosen Option : 1

Q.9 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. Stars

- ☒ 2. Earth
- ☒ 3. Sphere
- ☒ 4. Night

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

Q.1 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. 200 g
- ☒ 2. 300 g
- ☒ 3. 250 g
- ☒ 4. 400 g

Question ID : 7079669314
 Option 1 ID : 70796637254
 Option 2 ID : 70796637253
 Option 3 ID : 70796637255
 Option 4 ID : 70796637256
 Status : Answered
 Chosen Option : 1

Q.1 Binary number 101110110 is equal to decimal number _____.

- Ans ☒ 1. 412
- ☒ 2. 374
- ☒ 3. 468
- ☒ 4. 326

Question ID : 7079669326
 Option 1 ID : 70796637302
 Option 2 ID : 70796637303
 Option 3 ID : 70796637304
 Option 4 ID : 70796637301
 Status : Answered
 Chosen Option : 2

Q.1 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 5 cm mark
- ☒ 2. At the 95 cm mark
- ☒ 3. At the 25 cm mark
- ☒ 4. At the 45 cm mark

Question ID : 7079669297

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

Q.1 Find the mass (in kg) of kerosene filled up to the brim in a tank of dimensions $5\text{ m} \times 2\text{ m} \times 1\text{ m}$. (Density of kerosene is 800 kg/m^3)

- Ans** ☒ 1. 800
☒ 2. 8,000
☒ 3. 12,500
☒ 4. 1,250

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

Q.1 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. 4
☒ 2. 10
☒ 3. 12
☒ 4. 9

Question ID : 7079669293
 Option 1 ID : 70796637169
 Option 2 ID : 70796637171
 Option 3 ID : 70796637170
 Option 4 ID : 70796637172
 Status : **Answered**
 Chosen Option : 3

Q.1 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. 225
☒ 2. 311
☒ 3. 100
☒ 4. 45

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

Q.1 Find the resistance of the wire (in $k\Omega$) through which a 5 mA current flows when 500 V of potential difference is applied across it.

- Ans
- ☒ 1. 2,500
 - ☒ 2. 2.5
 - ☒ 3. 1,00,000
 - ☒ 4. 100

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

Q.1 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 II follows.
 - ☒ 3. Only conclusion I follows.
 - ☒ 4. Neither conclusion I nor II follows.

Question ID : 7079669363
 Option 1 ID : 70796637451
 Option 2 ID : 70796637450
 Option 3 ID : 70796637449
 Option 4 ID : 70796637452
 Status : Answered
 Chosen Option : 2

Q.1 The area of A0 size paper is _____.

- Ans
- ☒ 1. 100 cm^2
 - ☒ 2. 1 cm^2
 - ☒ 3. $10,000 \text{ cm}^2$
 - ☒ 4. $1,000 \text{ cm}^2$

Question ID : 7079669287
 Option 1 ID : 70796637146
 Option 2 ID : 70796637147
 Option 3 ID : 70796637145
 Option 4 ID : 70796637148

Status : **Answered**
Chosen Option : 1

Q.1 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 south
 - ☒ 3. 5 km north
 - ☒ 4. 16 km north

Question ID : 7079669368
Option 1 ID : 70796637471
Option 2 ID : 70796637469
Option 3 ID : 70796637472
Option 4 ID : 70796637470
Status : **Answered**
Chosen Option : 3

Q.2 Who was the captain of the IPL team Chennai Super Kings, in 2018?

- Ans**
- ☒ 1. Virat Kohli
 - ☒ 2. Gautam Gambhir
 - ☒ 3. Mahendra Singh Dhoni
 - ☒ 4. Rohit Sharma

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

Q.2 If a vendor sells a coconut at ₹32, he incurs a 20% loss. What is the cost price of the coconut?

- Ans**
- ☒ 1. ₹36
 - ☒ 2. ₹48
 - ☒ 3. ₹44
 - ☒ 4. ₹40

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

Q.2 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 mother of P.

- ☒ 2. S is the sister of P.
- ☒ 3. S is the sister-in-law of P.
- ☒ 4. S is the grandmother of P.

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

Q.2
3 Choose the letter cluster that is different from the rest.

- Ans ☒ 1. RST
- ☒ 2. MOQ
- ☒ 3. EFG
- ☒ 4. KLM

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

Q.2
4 The _____ across the ends of a resistor is directly proportional to the current through it, provided its temperature remains the same.

- Ans ☒ 1. resistance
- ☒ 2. resistivity
- ☒ 3. potential difference
- ☒ 4. charge

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

Q.2
5 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. dibnol
- ☒ 3. nemoli
- ☒ 4. hudter

Question ID : 7079669356

Option 1 ID : 70796637424

Option 2 ID : 70796637422

Option 3 ID : 70796637421

Option 4 ID : 70796637423

Status : Answered

Chosen Option : 3

- Q.2** 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 I is implicit.
- ☒ 2. Both assumptions I and II are implicit.
- ☒ 3. Neither assumption I nor II is implicit.
- ☒ 4. Only assumption II is implicit.

Question ID : 7079669369

Option 1 ID : 70796637473

Option 2 ID : 70796637476

Option 3 ID : 70796637475

Option 4 ID : 70796637474

Status : Answered

Chosen Option : 4

- Q.2** 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. 100
- ☒ 3. 6,250
- ☒ 4. 10

Question ID : 7079669296

Option 1 ID : 70796637182

Option 2 ID : 70796637181

Option 3 ID : 70796637183

Option 4 ID : 70796637184

Status : Answered

Chosen Option : 3

- Q.2** The notation 2×10^6 means _____.

- Ans** ☒ 1. Scale the circle of radius 6 units by a factor of 2
- ☒ 2. 2 circles of radius 6 units
- ☒ 3. 2 circles of diameter 6 units
- ☒ 4. Scale the circle of diameter 6 units by a factor of 2

Question ID : 7079669290

Option 1 ID : 70796637160

Option 2 ID : 70796637157

Option 3 ID : 70796637158

Option 4 ID : 70796637159

Status : Answered

Chosen Option : 4

Q.2 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. CABD

☒ 2. CADB

☒ 3. ACBD

☒ 4. ACDB

Question ID : 7079669373

Option 1 ID : 70796637489

Option 2 ID : 70796637490

Option 3 ID : 70796637491

Option 4 ID : 70796637492

Status : Answered

Chosen Option : 3

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

Ans ☒ 1. 2

☒ 2. 3

☒ 3. $\frac{1}{2}$

☒ 4. $\frac{1}{3}$

Question ID : 7079669344

Option 1 ID : 70796637373

Option 2 ID : 70796637375

Option 3 ID : 70796637376

Option 4 ID : 70796637374

Status : Answered

Chosen Option : 4

Q.3 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 $0.4 \text{ Jg}^{-1}\text{K}^{-1}$.

Ans ☒ 1. 648

☒ 2. 200

☒ 3. 405

☒ 4. 500

Question ID : 7079669308

Option 1 ID : 70796637230

Option 2 ID : 70796637229

Option 3 ID : 70796637231

Option 4 ID : 70796637232

Status : **Not Answered**

Chosen Option : --

Q.3
2 If 90 J of work is done in moving a charge of 2,000 coulombs across V volts, find V.

- Ans
- ☒ 1. 180
 - ☒ 2. 2,250
 - ☒ 3. 0.2
 - ☒ 4. 0.045

Question ID : 7079669311

Option 1 ID : 70796637242

Option 2 ID : 70796637243

Option 3 ID : 70796637244

Option 4 ID : 70796637241

Status : **Answered**

Chosen Option : 4

Q.3
3 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. 18
 - ☒ 2. 16
 - ☒ 3. 14
 - ☒ 4. 20

Question ID : 7079669315

Option 1 ID : 70796637259

Option 2 ID : 70796637257

Option 3 ID : 70796637258

Option 4 ID : 70796637260

Status : **Answered**

Chosen Option : 3

Q.3
4 The hotel Taj Lake Palace, built in the middle of Lake Pichola, is in which city?

- Ans
- ☒ 1. Jaipur
 - ☒ 2. Jodhpur
 - ☒ 3. Bikaner
 - ☒ 4. Udaipur

Question ID : 7079669283

Option 1 ID : 70796637131

Option 2 ID : 70796637130

Option 3 ID : 70796637132

Option 4 ID : 70796637129

Status : **Not Answered**

Chosen Option : --

Q.3 In an engineering drawing, which letters written on the dimension indicates that it is extra information and NOT really required?
5

- Ans
- ☒ 1. EXT
 - ☒ 2. PER
 - ☒ 3. REF
 - ☒ 4. NR

Question ID : 7079669298

Option 1 ID : 70796637189

Option 2 ID : 70796637192

Option 3 ID : 70796637190

Option 4 ID : 70796637191

Status : Answered

Chosen Option : 1

Q.3 In a certain code, EXACT is written as 91685 and MILK is written as 7243. Using the same code, MELT will be written as _____.
6

- Ans
- ☒ 1. 9285
 - ☒ 2. 5384
 - ☒ 3. 7945
 - ☒ 4. 8794

Question ID : 7079669355

Option 1 ID : 70796637419

Option 2 ID : 70796637417

Option 3 ID : 70796637420

Option 4 ID : 70796637418

Status : Answered

Chosen Option : 3

Q.3 Acceleration due to gravity is highest at _____.
7

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

Question ID : 7079669303

Option 1 ID : 70796637211

Option 2 ID : 70796637209

Option 3 ID : 70796637210

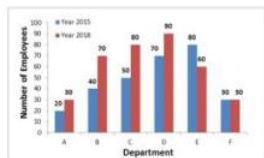
Option 4 ID : 70796637212

Status : Answered

Chosen Option : 3

Q.3
8

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. 20%
☒ 3. 17.5%
☒ 4. 10%

Question ID : 7079669370
 Option 1 ID : 70796637478
 Option 2 ID : 70796637480
 Option 3 ID : 70796637479
 Option 4 ID : 70796637477

Status : Not Answered

Chosen Option : --

Q.3 _____ ° Celsius = 167 Fahrenheit

- Ans ☒ 1. 198
☒ 2. 103
☒ 3. 75
☒ 4. 348

Question ID : 7079669320
 Option 1 ID : 70796637280
 Option 2 ID : 70796637278
 Option 3 ID : 70796637277
 Option 4 ID : 70796637279

Status : Answered

Chosen Option : 3

Q.4 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. 20
☒ 2. 15
☒ 3. 25
☒ 4. 24

Question ID : 7079669350
 Option 1 ID : 70796637400
 Option 2 ID : 70796637397
 Option 3 ID : 70796637398
 Option 4 ID : 70796637399

Status : Answered

Chosen Option : 1

Q.4

1 Henry Cavendish discovered _____ in 1766.

- Ans
- ☒ 1. chlorine
 - ☒ 2. oxygen
 - ☒ 3. helium
 - ☒ 4. hydrogen

Question ID : 7079669280

Option 1 ID : 70796637117

Option 2 ID : 70796637120

Option 3 ID : 70796637119

Option 4 ID : 70796637118

Status : Answered

Chosen Option : 3

Q.4
2 Paracetamol is found in first-aid boxes. When/why should these drugs be taken?

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

Question ID : 7079669317

Option 1 ID : 70796637267

Option 2 ID : 70796637268

Option 3 ID : 70796637265

Option 4 ID : 70796637266

Status : Answered

Chosen Option : 2

Q.4
3 Which of the following classes of chemicals can damage the ozone layer?

- Ans
- ☒ 1. Chlorofluorocarbons
 - ☒ 2. Antimicrobials
 - ☒ 3. Phenols
 - ☒ 4. Aromatic compounds

Question ID : 7079669323

Option 1 ID : 70796637292

Option 2 ID : 70796637290

Option 3 ID : 70796637291

Option 4 ID : 70796637289

Status : Answered

Chosen Option : 1

Q.4
4 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. 4
 - ☒ 2. 5
 - ☒ 3. 7

✗ 4. 9

Question ID : 7079669335

Option 1 ID : 70796637339

Option 2 ID : 70796637340

Option 3 ID : 70796637337

Option 4 ID : 70796637338

Status : Answered

Chosen Option : 2

Q.4 Which Dadasaheb Phalke Award recipient produced and directed India's first colour film, 'Sairandhri'?

5

Ans ✗ 1. Birendranath Sirdar

✓ 2. V Shanta ram

✗ 3. Sivaji Ganesan

✗ 4. LV Prasad

Question ID : 7079669279

Option 1 ID : 70796637115

Option 2 ID : 70796637113

Option 3 ID : 70796637116

Option 4 ID : 70796637114

Status : Answered

Chosen Option : 2

Q.4 Which of the following gives the correct relation between power 'P', resistance 'R' and charge 'Q' flowing through a wire in 't' seconds?

6

Ans ✗ 1. $PQ = IRt$

✗ 2. $PI = QRt$

✓ 3. $Pt = IRQ$

✗ 4. $PR = QIt$

Question ID : 7079669289

Option 1 ID : 70796637153

Option 2 ID : 70796637155

Option 3 ID : 70796637154

Option 4 ID : 70796637156

Status : Answered

Chosen Option : 3

Q.4 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 $^{\circ}\text{C}$) if no heat is lost.

7

Ans ✗ 1. 55

✗ 2. 95

✓ 3. 62.5

✗ 4. 47.5

Question ID : 7079669316

Option 1 ID : 70796637263

Option 2 ID : 70796637264

Option 3 ID : 70796637261

Option 4 ID : 70796637262

Status : Not Answered

Chosen Option : --

Q.4 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
8 (in km/h) to travel the same distance in 40 min?

- Ans
- ☒ 1. 25
 - ☒ 2. 80
 - ☒ 3. 16
 - ☒ 4. 10

Question ID : 7079669338

Option 1 ID : 70796637352

Option 2 ID : 70796637350

Option 3 ID : 70796637349

Option 4 ID : 70796637351

Status : Answered

Chosen Option : 3

Q.4 Breathing in about 900 parts of _____ in a million parts of air for a short time causes fatigue, dizziness, and headache.
9

- Ans
- ☒ 1. asbestos particles
 - ☒ 2. arsenic
 - ☒ 3. pesticides
 - ☒ 4. chloroform

Question ID : 7079669294

Option 1 ID : 70796637173

Option 2 ID : 70796637175

Option 3 ID : 70796637176

Option 4 ID : 70796637174

Status : Answered

Chosen Option : 4

Q.5 What is the angle between the hour hand and the minute hand of a clock at quarter past three?
0

- Ans
- ☒ 1. 8.5°
 - ☒ 2. 7.5°
 - ☒ 3. 6.5°
 - ☒ 4. 9.5°

Question ID : 7079669349

Option 1 ID : 70796637394

Option 2 ID : 70796637395

Option 3 ID : 70796637393

Option 4 ID : 70796637396

Status : Answered

Chosen Option : 2

Q.5 Henry per meter is the unit of _____.
1

- Ans
- ☒ 1. permeability

- ☒ 2. watt per steradian
- ☒ 3. electric conductance
- ☒ 4. permittivity

Question ID : 7079669302

Option 1 ID : 70796637208

Option 2 ID : 70796637207

Option 3 ID : 70796637206

Option 4 ID : 70796637205

Status : Answered

Chosen Option : 1

Q.5 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.

2

Ans

- ☒ 1. 2.5
- ☒ 2. 1.5
- ☒ 3. 2
- ☒ 4. 1

Question ID : 7079669318

Option 1 ID : 70796637271

Option 2 ID : 70796637270

Option 3 ID : 70796637269

Option 4 ID : 70796637272

Status : Answered

Chosen Option : 1

Q.5 Find the least common multiple of 56 and 50.

3

Ans

- ☒ 1. 700
- ☒ 2. 1500
- ☒ 3. 1400
- ☒ 4. 800

Question ID : 7079669331

Option 1 ID : 70796637321

Option 2 ID : 70796637324

Option 3 ID : 70796637323

Option 4 ID : 70796637322

Status : Answered

Chosen Option : 3

Q.5 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.

4

Ans

- ☒ 1. 80
- ☒ 2. 32
- ☒ 3. 40
- ☒ 4. 64

Question ID : 7079669305

Option 1 ID : 70796637220

Option 2 ID : 70796637218

Option 3 ID : 70796637219

Option 4 ID : 70796637217

Status : Answered

Chosen Option : 4

Q.5 Part of a sentence has been divided into three segments, which are jumbled up and given along with the unjumbled part.

5 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. YXZ☐ 3. XZY☐ 4. ZYX

Question ID : 7079669372

Option 1 ID : 70796637488

Option 2 ID : 70796637487

Option 3 ID : 70796637486

Option 4 ID : 70796637485

Status : Answered

Chosen Option : 1

Q.5 A statement is given, followed by two conclusions. Decide which of the given conclusions logically follow(s) from the

6 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.

II: 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.5
7 What is the area (in cm^2) of a regular hexagon of side 10 cm?Ans ☒ 1. $150\sqrt{3}$ ☐ 2. $450\sqrt{3}$

☒ 3. $75\sqrt{3}$

☒ 4. $300\sqrt{3}$

Question ID : 7079669334

Option 1 ID : 70796637334

Option 2 ID : 70796637336

Option 3 ID : 70796637333

Option 4 ID : 70796637335

Status : Answered

Chosen Option : 4

Q.5 Find the missing number in the given series.

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

Ans ☒ 1. 0.5

☒ 2. 0.2

☒ 3. 0.3

☒ 4. 0.4

Question ID : 7079669354

Option 1 ID : 70796637414

Option 2 ID : 70796637415

Option 3 ID : 70796637416

Option 4 ID : 70796637413

Status : Answered

Chosen Option : 3

Q.5 If the median of the numbers 9, 15, 1, 15, 14, 9, 4 and X is 11, find X.

Ans ☒ 1. 13

☒ 2. 10

☒ 3. 11

☒ 4. 12

Question ID : 7079669346

Option 1 ID : 70796637384

Option 2 ID : 70796637383

Option 3 ID : 70796637382

Option 4 ID : 70796637381

Status : Answered

Chosen Option : 1

Q.6 Find the value of:

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

Ans ☒ 1. 11

☒ 2. 9

☒ 3. 7

☒ 4. 13

Question ID : 7079669328

Option 1 ID : 70796637309

Option 2 ID : 70796637310

Option 3 ID : 70796637311

Option 4 ID : 70796637312

Status : Answered

Chosen Option : 4

Q.6
1 If $\sin\theta = 12/13$, then find the value of $2\cot\theta + 13\cos\theta$.Ans ☒ 1. 25/6☒ 2. 5/8☒ 3. 35/6☒ 4. 15/8

Question ID : 7079669345

Option 1 ID : 70796637377

Option 2 ID : 70796637380

Option 3 ID : 70796637379

Option 4 ID : 70796637378

Status : Answered

Chosen Option : 3

Q.6
2 Choose the figure that is different from the rest.

Ans

☒ 1.

P	O	R
M	W	K
H	X	Q

☒ 2.

Q	M	R
X	H	O
K	W	P

☒ 3.

H	X	P
O	R	K
W	Q	M

✓ 4.

K	W	Q
R	O	P
I	M	X

Question ID : 7079669365

Option 1 ID : 70796637460

Option 2 ID : 70796637457

Option 3 ID : 70796637459

Option 4 ID : 70796637458

Status : Answered

Chosen Option : 4

Q.6 Find the third proportional to 24 and 60.

Ans ✗ 1. 144

✗ 2. 164

✗ 3. 120

✓ 4. 150

Question ID : 7079669332

Option 1 ID : 70796637325

Option 2 ID : 70796637328

Option 3 ID : 70796637327

Option 4 ID : 70796637326

Status : Answered

Chosen Option : 4

Q.6 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. 2.4

✗ 2. 3.6

✗ 3. 1.2

✗ 4. 4.8

Question ID : 7079669313

Option 1 ID : 70796637252

Option 2 ID : 70796637249

Option 3 ID : 70796637250

Option 4 ID : 70796637251

Status : Answered

Chosen Option : 4

Q.6 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. ₹1,512

✓ 2. ₹1,584

☒ 3. ₹1,554

☒ 4. ₹1,540

Question ID : 7079669339

Option 1 ID : 70796637356

Option 2 ID : 70796637354

Option 3 ID : 70796637353

Option 4 ID : 70796637355

Status : Answered

Chosen Option : 2

Q.6 Which of the following nations is NOT a permanent member of the United Nations Security Council?
6

Ans ☒ 1. Germany

☒ 2. United Kingdom

☒ 3. France

☒ 4. China

Question ID : 7079669277

Option 1 ID : 70796637105

Option 2 ID : 70796637107

Option 3 ID : 70796637106

Option 4 ID : 70796637108

Status : Answered

Chosen Option : 1

Q.6 A _____ projection is an oblique projection in which the depth of the object is shown in full size.
7

Ans ☒ 1. fisheye

☒ 2. perspective

☒ 3. orthographic

☒ 4. cavalier

Question ID : 7079669300

Option 1 ID : 70796637200

Option 2 ID : 70796637197

Option 3 ID : 70796637198

Option 4 ID : 70796637199

Status : Answered

Chosen Option : 2

Q.6 Moore's Law is a rule of thumb stated by Intel co-founder Gordon Moore that the number of transistors on a chip
8 doubles every _____ months.

Ans ☒ 1. 18

☒ 2. 24

☒ 3. 12

☒ 4. 30

Question ID : 7079669295

Option 1 ID : 70796637177

Option 2 ID : 70796637179

Option 3 ID : 70796637178

Option 4 ID : 70796637180

Status : **Marked For Review**

Chosen Option : 4

Q.6 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. 21

✗ 2. 23

✗ 3. 15

✗ 4. 20

Question ID : 7079669374

Option 1 ID : 70796637495

Option 2 ID : 70796637496

Option 3 ID : 70796637493

Option 4 ID : 70796637494

Status : **Answered**

Chosen Option : 1

Q.7 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. 1008

✓ 2. 1260

✗ 3. 1344

✗ 4. 1680

Question ID : 7079669330

Option 1 ID : 70796637319

Option 2 ID : 70796637318

Option 3 ID : 70796637320

Option 4 ID : 70796637317

Status : **Answered**

Chosen Option : 2

Q.7 Which of the following folk dances is from Himachal Pradesh?

Ans ✓ 1. Nati

✗ 2. Giddha

✗ 3. Bagurumba

✗ 4. Lezim

Question ID : 7079669285

Option 1 ID : 70796637139

Option 2 ID : 70796637138

Option 3 ID : 70796637137

Option 4 ID : 70796637140

Status : **Answered**

Chosen Option : 3

Q.7
2

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. 20%
 - ☒ 2. 33.33%
 - ☒ 3. 16.67%
 - ☒ 4. 25%

Question ID : 7079669371

Option 1 ID : 70796637482

Option 2 ID : 70796637484

Option 3 ID : 70796637483

Option 4 ID : 70796637481

Status : Marked For Review

Chosen Option : 1

Q.7 _____ are a subset of air pollution that refers to the tiny particles suspended everywhere in our atmosphere.

- Ans
- ☒ 1. Humus
 - ☒ 2. Loam
 - ☒ 3. Genomes
 - ☒ 4. Aerosols

Question ID : 7079669324

Option 1 ID : 70796637295

Option 2 ID : 70796637296

Option 3 ID : 70796637294

Option 4 ID : 70796637293

Status : Answered

Chosen Option : 1

Q.7 If 1,200 J of work is done in pushing a trolley by 20 m, what was the force (in N) employed?

- Ans
- ☒ 1. 120
 - ☒ 2. 90
 - ☒ 3. 30
 - ☒ 4. 60

Question ID : 7079669292

Option 1 ID : 70796637165

Option 2 ID : 70796637167

Option 3 ID : 70796637168

Option 4 ID : 70796637166

Status : Answered

Chosen Option : 4

Q.7 If '+' represents '×', '÷' represents '+', '-' represents '÷' and 'x' represents '-', then find the value of the following expression.

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

- Ans
- ☒ 1. 14
 - ☒ 2. 36
 - ☒ 3. 17

✗ 4. 10

Question ID : 7079669357

Option 1 ID : 70796637426

Option 2 ID : 70796637428

Option 3 ID : 70796637427

Option 4 ID : 70796637425

Status : Answered

Chosen Option : 2

Q.7
6 A truck travels 450 km in two and a half hours. Find its speed in m/s.

Ans ✗ 1. 90

✗ 2. 75

✗ 3. 60

✓ 4. 50

Question ID : 7079669319

Option 1 ID : 70796637275

Option 2 ID : 70796637274

Option 3 ID : 70796637273

Option 4 ID : 70796637276

Status : Answered

Chosen Option : 4

Q.7
7 Classical musician Vilayat Khan is associated with which musical instrument?

Ans ✓ 1. Sitar

✗ 2. Flute

✗ 3. Sarod

✗ 4. Santoor

Question ID : 7079669284

Option 1 ID : 70796637135

Option 2 ID : 70796637136

Option 3 ID : 70796637133

Option 4 ID : 70796637134

Status : Not Answered

Chosen Option : --

Q.7
8 The sum of binary numbers 1100100 and 1101110 is _____.

Ans ✗ 1. 11110010

✗ 2. 11100110

✓ 3. 11010010

✗ 4. 11001000

Question ID : 7079669327

Option 1 ID : 70796637308

Option 2 ID : 70796637305

Option 3 ID : 70796637307

Option 4 ID : 70796637306

Status : Answered

Chosen Option : 3

Q.7 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. xybcz
 - ☒ 2. yxbcz
 - ☒ 3. xybcy
 - ☒ 4. xbycy

Question ID : 7079669353
 Option 1 ID : 70796637410
 Option 2 ID : 70796637411
 Option 3 ID : 70796637409
 Option 4 ID : 70796637412

Status : Answered

Chosen Option : 3

Q.8 Solve the following.

$$\sqrt{0.2025} + \sqrt{0.12225} = \underline{\hspace{2cm}}$$

- Ans
- ☒ 1. 0.6
 - ☒ 2. 0.9
 - ☒ 3. 0.8
 - ☒ 4. 1.2

Question ID : 7079669347
 Option 1 ID : 70796637387
 Option 2 ID : 70796637388
 Option 3 ID : 70796637385
 Option 4 ID : 70796637386

Status : Answered

Chosen Option : 4

Q.8 Two resistors of $R \, \Omega$ and $15 \, \Omega$ are connected in parallel to get an effective resistance of $12 \, \Omega$. Find R .

- Ans
- ☒ 1. 60
 - ☒ 2. 45
 - ☒ 3. 30
 - ☒ 4. 75

Question ID : 7079669310
 Option 1 ID : 70796637239
 Option 2 ID : 70796637238
 Option 3 ID : 70796637237
 Option 4 ID : 70796637240

Status : Answered

Chosen Option : 1

Q.8

2 Which of the following is NOT a derived unit?

- Ans ☒ 1. Radian
☒ 2. Mole
☒ 3. Volt
☒ 4. Lumen

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

Q.8 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. 7.5%
☒ 2. 12.5%
☒ 3. 8%
☒ 4. 10%

Question ID : 7079669333
 Option 1 ID : 70796637332
 Option 2 ID : 70796637331
 Option 3 ID : 70796637330
 Option 4 ID : 70796637329
 Status : Answered
 Chosen Option : 3

Q.8 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: 4 Glue:: Brick : ?

- Ans ☒ 1. Mortar
☒ 2. Mason
☒ 3. Stone
☒ 4. Wall

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

Q.8 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. 0.025
☒ 3. 0.055
☒ 4. 0.045

Question ID : 7079669329

Option 1 ID : 70796637316

Option 2 ID : 70796637314

Option 3 ID : 70796637313

Option 4 ID : 70796637315

Status : Answered

Chosen Option : 2

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

- Ans
- ☒ 1. 300
 - ☒ 2. 8,000
 - ☒ 3. 800
 - ☒ 4. 3,000

Question ID : 7079669304

Option 1 ID : 70796637215

Option 2 ID : 70796637213

Option 3 ID : 70796637216

Option 4 ID : 70796637214

Status : Answered

Chosen Option : 3

Q.8 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. 108
 - ☒ 2. 126
 - ☒ 3. 117
 - ☒ 4. 99

Question ID : 7079669306

Option 1 ID : 70796637223

Option 2 ID : 70796637224

Option 3 ID : 70796637222

Option 4 ID : 70796637221

Status : Answered

Chosen Option : 1

Q.8 Which element is mostly provided by grains, nuts and chocolates in our diet?

- Ans
- ☒ 1. Chloride
 - ☒ 2. Copper
 - ☒ 3. Zinc
 - ☒ 4. Iodine

Question ID : 7079669322

Option 1 ID : 70796637287

Option 2 ID : 70796637288

Option 3 ID : 70796637285

Option 4 ID : 70796637286

Status : Answered

Chosen Option : 3

Q.8 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. 48
☒ 3. 32
☒ 4. 40

Question ID : 7079669336

Option 1 ID : 70796637343

Option 2 ID : 70796637341

Option 3 ID : 70796637342

Option 4 ID : 70796637344

Status : Answered

Chosen Option : 1

Q.9 If $14 \# 2 = 80$, $10 \# 4 = 70$ and $20 \# 6 = 130$, then find the value of $8 \# 12$.

- Ans** ☒ 1. 100
☒ 2. 2
☒ 3. 4
☒ 4. 10

Question ID : 7079669358

Option 1 ID : 70796637432

Option 2 ID : 70796637430

Option 3 ID : 70796637429

Option 4 ID : 70796637431

Status : Not Answered

Chosen Option : --

Q.9 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 I and III follow.
☒ 2. Only conclusion III follows.
☒ 3. All the conclusions, I, II and III, follow.
☒ 4. Only conclusion I follows.

Question ID : 7079669364

Option 1 ID : 70796637455

Option 2 ID : 70796637454

Option 3 ID : 70796637456

Option 4 ID : 70796637453

Status : **Answered**
Chosen Option : 1

Q.9
2 If $a^2 + b^2 = 53$ and $ab = 14$, then find the value of $a + b$.

- Ans ☒ 1. 9
☒ 2. 15
☒ 3. 12
☒ 4. 5

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

Q.9
3 A _____ diagram is a schematic drawing that shows the relationships in a system, using simple shapes for the entities.

- Ans ☒ 1. scatter
☒ 2. Venn
☒ 3. circuit
☒ 4. block

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

Q.9
4 Which of the following is an example of a second class lever?

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

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

Q.9
5 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 $500 \text{ J kg}^{-1} \text{ K}^{-1}$.

- Ans ☒ 1. 125 JK^{-1}

- ☒ 2. $20 \text{ Jkg}^{-1}\text{K}^{-1}$
- ☒ 3. $1,250 \text{ JK}^{-1}$
- ☒ 4. $200 \text{ Jkg}^{-1}\text{K}^{-1}$

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

Q.9 _____ is India's sole National Issuing & Guaranteeing Association for ATA Carnets (also known as 'Passport for Goods').

- Ans ☒ 1. Federation of Indian Chambers of Commerce & Industry
- ☒ 2. Confederation of Indian Industry
- ☒ 3. All India Management Association
- ☒ 4. International Resources for Fairer Trade

Question ID : 7079669278
 Option 1 ID : 70796637112
 Option 2 ID : 70796637109
 Option 3 ID : 70796637111
 Option 4 ID : 70796637110
 Status : Answered
 Chosen Option : 4

Q.9 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 mother-in-law of C.
- ☒ 2. D is the sister of C.
- ☒ 3. D is the daughter of C.
- ☒ 4. D is the mother of C.

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

Q.9 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. 40
- ☒ 2. 25
- ☒ 3. 15
- ☒ 4. 20

Question ID : 7079669337
 Option 1 ID : 70796637347
 Option 2 ID : 70796637348
 Option 3 ID : 70796637346
 Option 4 ID : 70796637345
 Status : Answered
 Chosen Option : 2

Q.9 Find the efficiency of a pump (rated 400 W) that can lift 500 kg of water by 30 m in 10 minutes. (Use $g = 10\text{m/s}^2$)

- Ans ☒ 1. 62.50%
☒ 2. 92.00%
☒ 3. 77.50%
☒ 4. 84.00%

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

Q.1 The Directive Principles of State Policy in India's Constitution are borrowed from the constitution of ____.

- Ans ☒ 1. Germany
☒ 2. Canada
☒ 3. Ireland
☒ 4. Britain

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Question ID : 7079669276
 Option 1 ID : 70796637103
 Option 2 ID : 70796637102
 Option 3 ID : 70796637104
 Option 4 ID : 70796637101
 Status : Answered
 Chosen Option : 3

Section : Electronics Mechanic

Q.1 If an amplifier circuit has negative feedback, then gain:

- Ans ☒ 1. stays constant
☒ 2. increases
☒ 3. increases and decreases
☒ 4. decrease

Question ID : 7079669399
 Option 1 ID : 70796637595
 Option 2 ID : 70796637593
 Option 3 ID : 70796637596

Option 4 ID : 70796637594

Status : Answered

Chosen Option : 2

Q.2 Darlington pair is used for:

- Ans
- ☒ 1. voltage amplification.
 - ☒ 2. voltage and current amplification
 - ☒ 3. power amplification.
 - ☒ 4. current amplification

Question ID : 7079669400

Option 1 ID : 70796637597

Option 2 ID : 70796637600

Option 3 ID : 70796637599

Option 4 ID : 70796637598

Status : Not Answered

Chosen Option : --

Q.3 In two stage RC coupling, the function of a C_c capacitor is to:

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

Question ID : 7079669397

Option 1 ID : 70796637586

Option 2 ID : 70796637588

Option 3 ID : 70796637587

Option 4 ID : 70796637585

Status : Answered

Chosen Option : 1

Q.4 DA converter is a part of:

- Ans
- ☒ 1. proximity sensor
 - ☒ 2. odometer
 - ☒ 3. panel board meter
 - ☒ 4. analog meter

Question ID : 7079669410

Option 1 ID : 70796637637

Option 2 ID : 70796637640

Option 3 ID : 70796637639

Option 4 ID : 70796637638

Status : Not Answered

Chosen Option : --

Q.5 Which among the following Electronic component works with the principle of Light to Voltage conversion?

Ans

- ☒ 1. Half-wave rectifier
- ☒ 2. Bridge rectifier
- ☒ 3. Zener diode
- ☒ 4. Solar cells

Question ID : 7079669418

Option 1 ID : 70796637672

Option 2 ID : 70796637671

Option 3 ID : 70796637670

Option 4 ID : 70796637669

Status : Answered

Chosen Option : 4

Q.6 Which of the following has superior bandwidth and temperature stability?

- Ans
- ☒ 1. PNP diode
 - ☒ 2. PN diode
 - ☒ 3. Photo diode
 - ☒ 4. Zener diode

Question ID : 7079669412

Option 1 ID : 70796637648

Option 2 ID : 70796637645

Option 3 ID : 70796637647

Option 4 ID : 70796637646

Status : Answered

Chosen Option : 1

Q.7 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 : Answered

Chosen Option : 3

Q.8 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.9 UJT is used to generate:

- Ans ☒ 1. triangle wave
☒ 2. square wave
☒ 3. sawtooth wave
☒ 4. sine wave

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

Q.10 Which of the following gates gives output 1 when any one of the input is 1?

- Ans ☒ 1. NOT
☒ 2. NOR
☒ 3. OR
☒ 4. AND

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

Q.11 What is the operating point of a transistor as an amplifier known as?

- Ans ☒ 1. Flood In Point
☒ 2. Saturation Point
☒ 3. Quiescent Point
☒ 4. Cutoff Point

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

Q.12 The input impedance of an ideal Op-amp is _____.

- Ans ☒ 1. Infinite
☒ 2. 100 Ω
☒ 3. Unity
☒ 4. Zero

Question ID : 7079669420
 Option 1 ID : 70796637679
 Option 2 ID : 70796637680
 Option 3 ID : 70796637678
 Option 4 ID : 70796637677

Status : Answered
 Chosen Option : 1

Q.1
3 Field Effect transistor is:

- Ans ☒ 1. unijunction transistor
☒ 2. neither unijunction nor bijunction transistor
☒ 3. three junction
☒ 4. Bijunction

Question ID : 7079669403
 Option 1 ID : 70796637609
 Option 2 ID : 70796637611
 Option 3 ID : 70796637612
 Option 4 ID : 70796637610

Status : Answered
 Chosen Option : 2

Q.1
4 In which type of counter is the last stage of shift register fed back to D of first stage?

- Ans ☒ 1. Johnson
☒ 2. Round
☒ 3. Ring
☒ 4. Strait

Question ID : 7079669444
 Option 1 ID : 70796637775
 Option 2 ID : 70796637773
 Option 3 ID : 70796637774
 Option 4 ID : 70796637776

Status : Answered
 Chosen Option : 3

Q.1
5 Which of the following computer hardware contains a laser?

- Ans ☒ 1. RAM
☒ 2. CD Drive
☒ 3. Floppy Drive
☒ 4. Hard Disk Drive

Question ID : 7079669389

Option 1 ID : 70796637556

Option 2 ID : 70796637555

Option 3 ID : 70796637553

Option 4 ID : 70796637554

Status : Answered

Chosen Option : 2

Q.1
6 Hue and saturation are said to collectively describe the:Ans ☒ 1. chromaticity of TV☐ 2. AGC of TV☐ 3. brightness of TV☐ 4. luminance of TV

Question ID : 7079669438

Option 1 ID : 70796637750

Option 2 ID : 70796637752

Option 3 ID : 70796637751

Option 4 ID : 70796637749

Status : Answered

Chosen Option : 1

Q.1
7 Mobile phones/cell phones consist of a small _____ and _____.Ans ☐ 1. transmitter; speaker☒ 2. transmitter; receiver☐ 3. walky; talky☐ 4. transmitter; microphone

Question ID : 7079669433

Option 1 ID : 70796637729

Option 2 ID : 70796637732

Option 3 ID : 70796637730

Option 4 ID : 70796637731

Status : Answered

Chosen Option : 2

Q.1
8 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.1
9 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.2
0 Which of the following converts sound signal into electrical signal?

- Ans ☒ 1. Crystal
☒ 2. Speaker
☒ 3. Microphone
☒ 4. Transformer

Question ID : 7079669423

Option 1 ID : 70796637690

Option 2 ID : 70796637689

Option 3 ID : 70796637692

Option 4 ID : 70796637691

Status : Answered

Chosen Option : 3

Q.2
1 Convert decimal 32 to hexadecimal.

- Ans ☒ 1. 40
☒ 2. 20
☒ 3. 10
☒ 4. 30

Question ID : 7079669450

Option 1 ID : 70796637800

Option 2 ID : 70796637798

Option 3 ID : 70796637797

Option 4 ID : 70796637799

Status : Answered

Chosen Option : 2

Q.2
2 Beta is the ratio of:

- Ans ☒ 1. collector current to emitter current
☒ 2. base current to collector current

✓ 3. collector current to base current

✗ 4. emitter to collector

Question ID : 7079669392

Option 1 ID : 70796637566

Option 2 ID : 70796637567

Option 3 ID : 70796637565

Option 4 ID : 70796637568

Status : Answered

Chosen Option : 2

Q.2
3 What is the function of the discharge transistor in a 555 timer circuit?

Ans ✗ 1. To stop the timing by charging the external capacitor

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

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

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

Question ID : 7079669445

Option 1 ID : 70796637777

Option 2 ID : 70796637779

Option 3 ID : 70796637780

Option 4 ID : 70796637778

Status : Not Answered

Chosen Option : --

Q.2
4 Which of the following is a type of UPS?

Ans ✓ 1. Line interactive

✗ 2. Uni-stand by UPS types

✗ 3. By-stand by UPS

✗ 4. Un-stand by UPS types

Question ID : 7079669430

Option 1 ID : 70796637717

Option 2 ID : 70796637719

Option 3 ID : 70796637720

Option 4 ID : 70796637718

Status : Not Answered

Chosen Option : --

Q.2
5 What is the internal general purpose memory of 8051 micro controller?

Ans ✗ 1. 64 Byte

✗ 2. 16 Byte

✗ 3. 8 Byte

✓ 4. 128 Byte

Question ID : 7079669441

Option 1 ID : 70796637763

Option 2 ID : 70796637762
 Option 3 ID : 70796637761
 Option 4 ID : 70796637764
 Status : **Not Answered**
 Chosen Option : --

Q.2
6 After crossing the peak point, UJT resistance becomes _____.

Ans ☒ 1. Negative

☒ 2. Zero

☒ 3. Low

☒ 4. Infinite

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

Q.2
7 Which of the following is a part of SMPS component?

Ans ☒ 1. Zener diode

☒ 2. FET

☒ 3. MOSFET

☒ 4. Output filter coil

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

Q.2
8 As the colour varies, forward voltage varies, in:

Ans ☒ 1. Colour TV

☒ 2. LED

☒ 3. LCD TV

☒ 4. LED TV

Question ID : 7079669421
 Option 1 ID : 70796637681
 Option 2 ID : 70796637684
 Option 3 ID : 70796637683
 Option 4 ID : 70796637682
 Status : **Answered**
 Chosen Option : 4

Q.2
9 Select the correct UPS output specifications.

Ans ☒ 1. 40 W

☒ 2. Regulation + or - 3%

☒ 3. 100 A

☒ 4. 20 μ F

Question ID : 7079669417

Option 1 ID : 70796637665

Option 2 ID : 70796637666

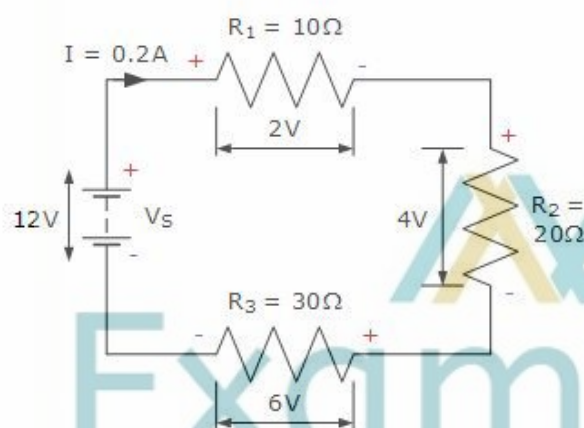
Option 3 ID : 70796637667

Option 4 ID : 70796637668

Status : Not Answered

Chosen Option : --

Q.3
0 Which among the following laws is shown in the given figure?



Ans ☒ 1. KVL

☒ 2. KCL

☒ 3. Faraday's Law

☒ 4. Ohm's Law

Question ID : 7079669385

Option 1 ID : 70796637538

Option 2 ID : 70796637539

Option 3 ID : 70796637540

Option 4 ID : 70796637537

Status : Answered

Chosen Option : 4

Q.3
1 Which of the following converts a physical parameter to an electrical signal?

Ans ☒ 1. Transducer

☒ 2. Transformer

☒ 3. Speaker

☒ 4. Crystal

Question ID : 7079669409

Option 1 ID : 70796637636

Option 2 ID : 70796637635
 Option 3 ID : 70796637633
 Option 4 ID : 70796637634
 Status : Answered
 Chosen Option : 1

Q.3
2 Scale of PMMC instrument is _____.

- Ans
- ☒ 1. Cubed
 - ☒ 2. Squared
 - ☒ 3. Uniform
 - ☒ 4. 4th power

Question ID : 7079669386
 Option 1 ID : 70796637543
 Option 2 ID : 70796637542
 Option 3 ID : 70796637544
 Option 4 ID : 70796637541
 Status : Answered
 Chosen Option : 3

Q.3
3 Which among the following is used as receiver in fiber optic communication?

- Ans
- ☒ 1. LASER Diode
 - ☒ 2. Photo Transistor
 - ☒ 3. LDR
 - ☒ 4. LED

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

Q.3
4 Which force is responsible for the flow of electron from point A to B through a conductor?

- Ans
- ☒ 1. Current
 - ☒ 2. Resistance
 - ☒ 3. Voltage
 - ☒ 4. Heat

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

Q.3 In which of the following transistor configuration is the amplifier voltage gain the lowest?

5

- Ans
- ☒ 1. Common Base
 - ☒ 2. Emitter Coupled
 - ☒ 3. Common Emitter
 - ☒ 4. Common Collector

Question ID : 7079669448

Option 1 ID : 70796637790

Option 2 ID : 70796637791

Option 3 ID : 70796637789

Option 4 ID : 70796637792

Status : Answered

Chosen Option : 4

Q.3
6 Which one of the following is a photo-voltaic module?

- Ans
- ☒ 1. Transistor modules
 - ☒ 2. Zener modules
 - ☒ 3. Solar modules
 - ☒ 4. Rectifier modules

Question ID : 7079669432

Option 1 ID : 70796637728

Option 2 ID : 70796637726

Option 3 ID : 70796637725

Option 4 ID : 70796637727

Status : Answered

Chosen Option : 3

Q.3
7 UJT has:

- Ans
- ☒ 1. both positive and negative characteristics
 - ☒ 2. negative characteristics
 - ☒ 3. positive characteristics
 - ☒ 4. no positive or negative characteristics

Question ID : 7079669404

Option 1 ID : 70796637615

Option 2 ID : 70796637614

Option 3 ID : 70796637613

Option 4 ID : 70796637616

Status : Answered

Chosen Option : 3

Q.3
8 Which of the following is a feature of SMPS?

- Ans
- ☒ 1. High efficiency
 - ☒ 2. Power buck
 - ☒ 3. RF gain

☒ 4. AF gain

Question ID : 7079669415

Option 1 ID : 70796637657

Option 2 ID : 70796637660

Option 3 ID : 70796637659

Option 4 ID : 70796637658

Status : Not Answered

Chosen Option : --

Q.3 Which of the given cores of an inductor will have the highest inductance?

Ans

☒ 1. Air

☒ 2. Copper

☒ 3. Iron

☒ 4. Wood

Question ID : 7079669380

Option 1 ID : 70796637520

Option 2 ID : 70796637518

Option 3 ID : 70796637517

Option 4 ID : 70796637519

Status : Not Answered

Chosen Option : --

Q.4 The output of SMPS is _____.

Ans

☒ 1. pulsating DC

☒ 2. voltage sweep

☒ 3. AC

☒ 4. DC

Question ID : 7079669440

Option 1 ID : 70796637759

Option 2 ID : 70796637757

Option 3 ID : 70796637760

Option 4 ID : 70796637758

Status : Not Answered

Chosen Option : --

Q.4 Fibre optic power meters have input for attaching fibre optic connector and detector to capture:

1

Ans

☒ 1. light rays

☒ 2. Ultra violet rays

☒ 3. X rays

☒ 4. gama rays

Question ID : 7079669425

Option 1 ID : 70796637699

Option 2 ID : 70796637700

Option 3 ID : 70796637697

Option 4 ID : 70796637698

Status : Answered

Chosen Option : 1

Q.4
2 Which of the following is a sensor that is able to detect objects without any physical contact?

- Ans
- ☒ 1. Laser beam
 - ☒ 2. Electron beam
 - ☒ 3. Proximity sensor
 - ☒ 4. X ray

Question ID : 7079669424

Option 1 ID : 70796637694

Option 2 ID : 70796637696

Option 3 ID : 70796637693

Option 4 ID : 70796637695

Status : Answered

Chosen Option : 3

Q.4
3 A PN junction diode that _____ when activated is called a/an _____.

- Ans
- ☒ 1. emits electrons; regulator
 - ☒ 2. emits electrons; diode
 - ☒ 3. emits photons; LCD
 - ☒ 4. emits light; LED

Question ID : 7079669435

Option 1 ID : 70796637738

Option 2 ID : 70796637737

Option 3 ID : 70796637739

Option 4 ID : 70796637740

Status : Answered

Chosen Option : 4

Q.4
4 In an amplifier with a negative feedback circuit, gain A_f is given by:

- Ans
- ☒ 1. $A_f = (1 - A_m)/A$
 - ☒ 2. $A_f = A/(1 + A_m)$
 - ☒ 3. $A_f = (1 + A_m)/A$
 - ☒ 4. $A_f = A/(1 - A_m)$

Question ID : 7079669398

Option 1 ID : 70796637592

Option 2 ID : 70796637589

Option 3 ID : 70796637591

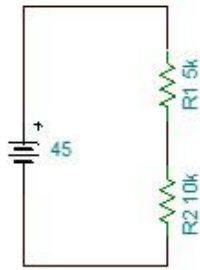
Option 4 ID : 70796637590

Status : Answered

Chosen Option : 2

Q.4
5

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



- Ans
- ☒ 1. 10
 - ☒ 2. 15
 - ☒ 3. 30
 - ☒ 4. 20

Question ID : 7079669378

Option 1 ID : 70796637509

Option 2 ID : 70796637511

Option 3 ID : 70796637512

Option 4 ID : 70796637510

Status : Answered

Chosen Option : 3

Q.4
6 What is the type of transformer used in home inverters to power from a 12V battery?

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

Question ID : 7079669384

Option 1 ID : 70796637536

Option 2 ID : 70796637533

Option 3 ID : 70796637535

Option 4 ID : 70796637534

Status : Not Answered

Chosen Option : --

Q.4
7 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 : Answered

Chosen Option : 3

Q.4
8 Which of the following is a cell phone component?

- Ans ☒ 1. An Antenna
☒ 2. SPTS
☒ 3. Relay
☒ 4. DPDS

Question ID : 7079669434

Option 1 ID : 70796637734

Option 2 ID : 70796637733

Option 3 ID : 70796637735

Option 4 ID : 70796637736

Status : Not Answered

Chosen Option : --

Q.4
9 BC147 is the transistor used for:

- Ans ☒ 1. RF power amplifier
☒ 2. amplification of AF and RF signal
☒ 3. amplification of RF signal
☒ 4. amplification of AF signal

Question ID : 7079669395

Option 1 ID : 70796637580

Option 2 ID : 70796637579

Option 3 ID : 70796637577

Option 4 ID : 70796637578

Status : Not Answered

Chosen Option : --

Q.5
0 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 right of a page
☒ 3. Move the cursor to the left of a page
☒ 4. Move the cursor to the middle of a page

Question ID : 7079669390

Option 1 ID : 70796637559

Option 2 ID : 70796637557

Option 3 ID : 70796637558

Option 4 ID : 70796637560

Status : Answered

Chosen Option : 2

Q.5
1 Schmitt trigger is used in:

- Ans ☒ 1. Crystal Oscillator
☒ 2. Relaxation Oscillator

☒ 3. Hartley Oscillator

☒ 4. Colpitts Oscillator

Question ID : 7079669401

Option 1 ID : 70796637603

Option 2 ID : 70796637604

Option 3 ID : 70796637601

Option 4 ID : 70796637602

Status : Answered

Chosen Option : 1

Q.5
2 Which among the following is full form of SMPS

Ans ☒ 1. Single Mode Power Supply

☒ 2. Switch Mode Power Support.

☒ 3. Switch on Mode Power Supply

☒ 4. Switched Mode Power Supply

Question ID : 7079669428

Option 1 ID : 70796637712

Option 2 ID : 70796637710

Option 3 ID : 70796637711

Option 4 ID : 70796637709

Status : Answered

Chosen Option : 1

Q.5
3 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.5
4 Side by side stack drivers are mounted on:

Ans ☒ 1. Low Power Supply

☒ 2. LED Drivers

☒ 3. UPS

☒ 4. SMPS

Question ID : 7079669436

Option 1 ID : 70796637744

Option 2 ID : 70796637743
 Option 3 ID : 70796637742
 Option 4 ID : 70796637741
 Status : **Not Answered**
 Chosen Option : --

Q.5
5 What is the decimal value for HEX 2A

- Ans
- ☒ 1. 22
 - ☒ 2. 12
 - ☒ 3. 32
 - ☒ 4. 42

Question ID : 7079669447
 Option 1 ID : 70796637786
 Option 2 ID : 70796637785
 Option 3 ID : 70796637787
 Option 4 ID : 70796637788
 Status : **Answered**
 Chosen Option : 4

Q.5
6 MOSFET has:

- Ans
- ☒ 1. low input resistance and high output resistance
 - ☒ 2. high input resistance and low output resistance
 - ☒ 3. low input resistance and low output resistance
 - ☒ 4. high input resistance and high output resistance

Question ID : 7079669406
 Option 1 ID : 70796637621
 Option 2 ID : 70796637623
 Option 3 ID : 70796637624
 Option 4 ID : 70796637622
 Status : **Answered**
 Chosen Option : 2

Q.5
7 Which among the following devices is a P-N junction diode with 3 terminals, as per construction

- Ans
- ☒ 1. FET
 - ☒ 2. BJT
 - ☒ 3. SCR
 - ☒ 4. UJT

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

Q.5 Which among the following instruments can generate sine wave with variable frequency and amplitude?

8

- Ans ☒ 1. LCR meter
☒ 2. CRO
☒ 3. DSO
☒ 4. Function generator

Question ID : 7079669387

Option 1 ID : 70796637548

Option 2 ID : 70796637545

Option 3 ID : 70796637547

Option 4 ID : 70796637546

Status : Answered

Chosen Option : 4

Q.5
9 Which type of feedback is used in case of an oscillator circuit?

- Ans ☒ 1. Zero
☒ 2. Negative
☒ 3. Positive
☒ 4. Unity

Question ID : 7079669443

Option 1 ID : 70796637772

Option 2 ID : 70796637770

Option 3 ID : 70796637769

Option 4 ID : 70796637771

Status : Answered

Chosen Option : 3

Q.6
0 The full form of LED is:

- Ans ☒ 1. Lowlight Erecting Diode
☒ 2. Light Editing Diode
☒ 3. Light Emitting Diode
☒ 4. Light Erecting Diode

Question ID : 7079669407

Option 1 ID : 70796637628

Option 2 ID : 70796637626

Option 3 ID : 70796637625

Option 4 ID : 70796637627

Status : Answered

Chosen Option : 3

Q.6
1 Which of the following software is used for electronic circuit simulation?

- Ans ☒ 1. Windows 10
☒ 2. P Spice
☒ 3. Photoshop

☒ 4. Firefox

Question ID : 7079669388

Option 1 ID : 70796637551

Option 2 ID : 70796637549

Option 3 ID : 70796637550

Option 4 ID : 70796637552

Status : Answered

Chosen Option : 2

Q.6 Which of the following losses can be observed in a transformer when it is NOT connected to any load?

2

Ans ☒ 1. Copper Loss

☒ 2. Thermal Loss

☒ 3. Core Loss

☒ 4. Voltage Loss

Question ID : 7079669383

Option 1 ID : 70796637529

Option 2 ID : 70796637531

Option 3 ID : 70796637530

Option 4 ID : 70796637532

Status : Not Answered

Chosen Option : --

Q.6 _____ is the Input voltage Specification of a UPS. Choose from the given option

3

Ans ☒ 1. 100 A

☒ 2. 208V/120 V and 50/60 Hz

☒ 3. 20 μ F

☒ 4. Regulation $\pm$ or $\pm$ 3%

Question ID : 7079669431

Option 1 ID : 70796637723

Option 2 ID : 70796637721

Option 3 ID : 70796637724

Option 4 ID : 70796637722

Status : Answered

Chosen Option : 2

Q.6 Photo transistor is used for:

4

Ans ☒ 1. isolation

☒ 2. LC coupling

☒ 3. RC coupling

☒ 4. direct coupling

Question ID : 7079669408

Option 1 ID : 70796637630

Option 2 ID : 70796637632

Option 3 ID : 70796637631

Option 4 ID : 70796637629

Status : Not Answered

Chosen Option : --

Q.6
5 Select the communication device which works on Full Duplex Communication Channel.

- Ans
- ☒ 1. Telegraph
 - ☒ 2. TV
 - ☒ 3. Walky talky
 - ☒ 4. Mobile

Question ID : 7079669419

Option 1 ID : 70796637673

Option 2 ID : 70796637676

Option 3 ID : 70796637674

Option 4 ID : 70796637675

Status : Answered

Chosen Option : 4

Q.6
6 Pulses of Light are used in _____ for communication system to transmit information.

- Ans
- ☒ 1. FM Transmitter
 - ☒ 2. Digital Transmitter
 - ☒ 3. Fiber Optic Transmitter
 - ☒ 4. AM Transmitter

Question ID : 7079669411

Option 1 ID : 70796637642

Option 2 ID : 70796637643

Option 3 ID : 70796637644

Option 4 ID : 70796637641

Status : Answered

Chosen Option : 3

Q.6
7 NPN Transistor proper biasing for conduction is

- Ans
- ☒ 1. base, emitter forward bias and collector , emitter reverse bias
 - ☒ 2. base, emitter reverse bias and collector, emitter forward bias
 - ☒ 3. base, emitter forward bias and collector, emitter forward bias
 - ☒ 4. base direct and collector direct

Question ID : 7079669393

Option 1 ID : 70796637570

Option 2 ID : 70796637569

Option 3 ID : 70796637571

Option 4 ID : 70796637572

Status : Answered

Chosen Option : 1

Q.6
8 What are the XTAL 1 and XTAL 2 pins numbers for 8051?

- Ans ☒ 1. 17 and 18
☒ 2. 18 and 19
☒ 3. 15 and 16
☒ 4. 12 and 13

Question ID : 7079669422
 Option 1 ID : 70796637687
 Option 2 ID : 70796637686
 Option 3 ID : 70796637685
 Option 4 ID : 70796637688
 Status : Not Answered
 Chosen Option : --

Q.6
9 The Size of internal RAM of 8051 Microcontroller is?

- Ans ☒ 1. 16 Bytes
☒ 2. 256 Bytes
☒ 3. 128 Bytes
☒ 4. 64 Bytes

Question ID : 7079669379
 Option 1 ID : 70796637513
 Option 2 ID : 70796637516
 Option 3 ID : 70796637514
 Option 4 ID : 70796637515
 Status : Not Answered
 Chosen Option : --

Q.7
0 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. 616 V
☒ 2. 110 V
☒ 3. 250 V
☒ 4. 308 V

Question ID : 7079669377
 Option 1 ID : 70796637506
 Option 2 ID : 70796637508
 Option 3 ID : 70796637507
 Option 4 ID : 70796637505
 Status : Answered
 Chosen Option : 4

Q.7
1 What is the voltage generated by an alkaline cell used in wall clock?

- Ans ☒ 1. 1.2 V
☒ 2. 0.7 V
☒ 3. 1.5 V

☒ 4. 1.0 V

Question ID : 7079669381

Option 1 ID : 70796637523

Option 2 ID : 70796637521

Option 3 ID : 70796637524

Option 4 ID : 70796637522

Status : Answered

Chosen Option : 1

Q.7
2 12 V DC and 24 V DC are general operating voltages for:

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

Question ID : 7079669427

Option 1 ID : 70796637705

Option 2 ID : 70796637708

Option 3 ID : 70796637706

Option 4 ID : 70796637707

Status : Answered

Chosen Option : 4

Q.7
3 An optical fiber is a cylindrical dielectric waveguide that transmits _____ along its axis.

- Ans
- ☒ 1. light
 - ☒ 2. X rays
 - ☒ 3. gama rays
 - ☒ 4. ultra violet rays

Question ID : 7079669426

Option 1 ID : 70796637703

Option 2 ID : 70796637701

Option 3 ID : 70796637702

Option 4 ID : 70796637704

Status : Answered

Chosen Option : 1

Q.7
4 TV channel frequencies are assigned in the 54 to 806 MHz range for the division of _____ TV channels.

- Ans
- ☒ 1. 78
 - ☒ 2. 76
 - ☒ 3. 86
 - ☒ 4. 68

Question ID : 7079669439

Option 1 ID : 70796637755

Option 2 ID : 70796637756

Option 3 ID : 70796637753

Option 4 ID : 70796637754

Status : Answered

Chosen Option : 3

Q.7
5 Additional heat is dissipated from power transistor by using

- Ans
- ☒ 1. mica sheet and heat sink
 - ☒ 2. mica sheet
 - ☒ 3. silicon paste.
 - ☒ 4. heat sink

Question ID : 7079669396

Option 1 ID : 70796637583

Option 2 ID : 70796637581

Option 3 ID : 70796637584

Option 4 ID : 70796637582

Status : Answered

Chosen Option : 4

