

BSTET (Class 9-10)

**Previous Year Paper
(Science)**

14 Oct, 2025 Shift 1

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Exam Name	STET Exam 2025
Paper	Paper I
Roll No	
Participant Name	
Test Center Name	
Test Date	14/10/2025
Test Time	9:00 AM - 11:30 AM

Section : Part I Science(111)

Q.1 Why are viruses referred to as obligate Parasite?

- Ans ☒ A. They cannot reproduce outside of a host cell.
- ☒ B. Virus DNA always inserts itself into host DNA
- ☒ C. The protein is the best cytoplasm
- ☒ D. The enzymes carried by the virus.

Question Type : MCQ

Question ID : 4335763029

Option 1 ID : 43357612113

Option 2 ID : 43357612114

Option 3 ID : 43357612115

Option 4 ID : 43357612116

Status : Answered

Chosen Option : A

Q.2 The waves produced on the earth's surface is called:

- Ans ☒ A. Ocean wave
- ☒ B. Seismic wave
- ☒ C. Sound wave
- ☒ D. Electromagnetic wave

Question Type : MCQ

Question ID : 4335763126

Option 1 ID : 43357612501

Option 2 ID : 43357612502

Option 3 ID : 43357612503

Option 4 ID : 43357612504

Status : Answered

Chosen Option : B

Q.3 Which of the following is not a herbicide?

- Ans ☒ A. 2, 4D
☒ B. DCMU
☒ C. VAM
☒ D. Agent orange

Question Type : MCQ
 Question ID : 4335763140
 Option 1 ID : 43357612557
 Option 2 ID : 43357612558
 Option 3 ID : 43357612559
 Option 4 ID : 43357612560
 Status : Answered
 Chosen Option : D

Q.4 A rectangular block 2m long, 1m wide and 1m deep, floats in water. The depth of immersion is 0.5m. If water weighs 10KN/m^3 . The weight of the block is-

- Ans ☒ A. 5 KN
☒ B. 20 KN
☒ C. 15 KN
☒ D. 10 KN

Question Type : MCQ
 Question ID : 4335762971
 Option 1 ID : 43357611881
 Option 2 ID : 43357611882
 Option 3 ID : 43357611883
 Option 4 ID : 43357611884
 Status : Answered
 Chosen Option : A

Q.5 If the current I through a resistor is increased by 100% (assume that temperature remains constant), the increase in Power dissipated will be:-

- Ans ☒ A. 1
☒ B. 2
☒ C. 3
☒ D. 4

Question Type : MCQ
 Question ID : 4335763006
 Option 1 ID : 43357612021
 Option 2 ID : 43357612022
 Option 3 ID : 43357612023
 Option 4 ID : 43357612024
 Status : Answered
 Chosen Option : B

Q.6 Which of the following compound is most acidic?

- Ans ☒ A. Cl_2O_7
☒ B. P_4O_{10}
☒ C. SO_3
☒ D. B_2O_3

Question Type : MCQ
 Question ID : 4335762904
 Option 1 ID : 43357611613
 Option 2 ID : 43357611614
 Option 3 ID : 43357611615
 Option 4 ID : 43357611616
 Status : Answered
 Chosen Option : C

Q.7 Any change in environment to which an organism responds is called.

- Ans ☒ A. Stimulus
☒ B. Co-ordination
☒ C. response
☒ D. hormone

Question Type : MCQ
 Question ID : 4335763270
 Option 1 ID : 43357613077
 Option 2 ID : 43357613078
 Option 3 ID : 43357613079
 Option 4 ID : 43357613080
 Status : Answered
 Chosen Option : C

Q.8 The least resistance obtained by using 2 Ω , 4 Ω , 1 Ω and 100 Ω is

- Ans ☒ A. < 100 Ω
☒ B. < 4 Ω
☒ C. < 1 Ω
☒ D. > 2 Ω

Question Type : MCQ
 Question ID : 4335763104
 Option 1 ID : 43357612413
 Option 2 ID : 43357612414
 Option 3 ID : 43357612415
 Option 4 ID : 43357612416
 Status : Answered
 Chosen Option : D

Q.9 The difference between maximum and minimum resistance that can be obtained by connecting three resistances of $1/3 \Omega$ each is:

- Ans ☒ A. $8/9 \Omega$
☒ B. 1Ω
☒ C. $1/9 \Omega$
☒ D. $2/3 \Omega$

Question Type : MCQ
 Question ID : 4335763366
 Option 1 ID : 43357613461
 Option 2 ID : 43357613462
 Option 3 ID : 43357613463
 Option 4 ID : 43357613464
 Status : Answered
 Chosen Option : B

Q.10 The mass number A is given by _____ (Z is atomic number and N is number of neutrons)

- Ans ☒ A. $A = Z - N$
☒ B. $A = Z + N$
☒ C. $A = N - Z$
☒ D. $A = 2 (Z + N)$

Question Type : MCQ
 Question ID : 4335762917
 Option 1 ID : 43357611665
 Option 2 ID : 43357611666
 Option 3 ID : 43357611667
 Option 4 ID : 43357611668
 Status : Answered
 Chosen Option : B

Q.11 Identify the set of micronutrients (nutrients required by plants in small quantities) :

- Ans ☒ A. Copper, Phosphorous, Calcium
☒ B. Sulphur, Aluminium, Chlorine
☒ C. Zinc, Iron, Manganese
☒ D. Potassium, Magnesium, Copper

Question Type : MCQ
 Question ID : 4335763345
 Option 1 ID : 43357613377
 Option 2 ID : 43357613378
 Option 3 ID : 43357613379
 Option 4 ID : 43357613380
 Status : Answered
 Chosen Option : B

Q.12 Seed dispersal may be said to help the plants in all of the following except:

- Ans ☒ A. avoid competition for sunlight,water and minerals
☒ B. invade new habitats
☒ C. produce new varieties
☒ D. over crowding

Question Type : MCQ
 Question ID : 4335763351
 Option 1 ID : 43357613401
 Option 2 ID : 43357613402
 Option 3 ID : 43357613403
 Option 4 ID : 43357613404
 Status : Answered
 Chosen Option : D

Q.13 What is the state of refrigerant when it enters into the evaporator?

- Ans ☒ A. High Pressure, low temperature
☒ B. Low Pressure, Medium temperature
☒ C. Low Pressure, low temperature
☒ D. Medium Pressure, Low temperature

Question Type : MCQ
 Question ID : 4335763012
 Option 1 ID : 43357612045
 Option 2 ID : 43357612046
 Option 3 ID : 43357612047
 Option 4 ID : 43357612048
 Status : Answered
 Chosen Option : B

Q.14 Detoxification site in the liver cell is.

- Ans ☒ A. Golgi apparatus
☒ B. Free ribosomes
☒ C. RER
☒ D. SER

Question Type : MCQ
 Question ID : 4335763241
 Option 1 ID : 43357612961
 Option 2 ID : 43357612962
 Option 3 ID : 43357612963
 Option 4 ID : 43357612964
 Status : Answered
 Chosen Option : D

Q.15 Which of the following cannot be considered a form of matter?

- Ans ☒ A. Atom
- ☒ B. Water
- ☒ C. Humidity
- ☒ D. Electron

Question Type : MCQ
Question ID : 4335763084
Option 1 ID : 43357612333
Option 2 ID : 43357612334
Option 3 ID : 43357612335
Option 4 ID : 43357612336
Status : Answered
Chosen Option : D

Q.16 Which of the following can be used for studying human evolution?

- Ans ☒ A. Excavation
- ☒ B. Time dating
- ☒ C. determining DNA sequence
- ☒ D. All

Question Type : MCQ
Question ID : 4335763283
Option 1 ID : 43357613129
Option 2 ID : 43357613130
Option 3 ID : 43357613131
Option 4 ID : 43357613132
Status : Answered
Chosen Option : D

Q.17 Neetu has two test tubes containing dilute hydrochloric acid and dilute sodium hydroxide solution, but they are not labeled.

Adding which of the following solutions to the test tubes will help her visually identify the acidic and basic solution?

- Ans ☒ A. only vinegar
- ☒ B. only baking soda
- ☒ C. only sodium chloride
- ☒ D. either vinegar or sodium chloride

Question Type : MCQ
Question ID : 4335763095
Option 1 ID : 43357612377
Option 2 ID : 43357612378
Option 3 ID : 43357612379
Option 4 ID : 43357612380
Status : Answered
Chosen Option : D

Q.18 The value of Avogadro's constant is -

- Ans ☒ A. 6.022×10^{24}
☒ B. 60.22×10^{23}
☒ C. 6.022×10^{22}
☒ D. 6.022×10^{23}

Question Type : MCQ
 Question ID : 4335763198
 Option 1 ID : 43357612789
 Option 2 ID : 43357612790
 Option 3 ID : 43357612791
 Option 4 ID : 43357612792
 Status : Answered
 Chosen Option : D

Q.19 When water at 0°C freezes to form ice at the same temperature of 0°C , then it:

- Ans ☒ A. Absorbs some heat
☒ B. Releases some heat
☒ C. Neither absorbs nor releases heat
☒ D. Absorbs $3.34 \times 10^5 \text{J/kg}$ of heat

Question Type : MCQ
 Question ID : 4335763086
 Option 1 ID : 43357612341
 Option 2 ID : 43357612342
 Option 3 ID : 43357612343
 Option 4 ID : 43357612344
 Status : Answered
 Chosen Option : B

Q.20 If the amount of water vapour in air is high then the rate of evaporation will be?

- Ans ☒ A. Decrease
☒ B. zero
☒ C. remain the same
☒ D. increase

Question Type : MCQ
 Question ID : 4335763013
 Option 1 ID : 43357612049
 Option 2 ID : 43357612050
 Option 3 ID : 43357612051
 Option 4 ID : 43357612052
 Status : Answered
 Chosen Option : A

Q.21 A motorcyclist going with a constant speed in a circular track has -

- Ans ☒ A. Linear velocity is constant
☒ B. constant acceleration
☒ C. Angular velocity is constant
☒ D. Constant force

Question Type : MCQ
 Question ID : 4335762961
 Option 1 ID : 43357611841
 Option 2 ID : 43357611842
 Option 3 ID : 43357611843
 Option 4 ID : 43357611844
 Status : Answered
 Chosen Option : A

Q.22 Which of the following acts as a buffer?

- Ans ☒ A. HNO₂ and NaNO₂
☒ B. HCL and KCL
☒ C. HNO₃ and NH₄NO₃
☒ D. NaOH and NaCl

Question Type : MCQ
 Question ID : 4335762906
 Option 1 ID : 43357611621
 Option 2 ID : 43357611622
 Option 3 ID : 43357611623
 Option 4 ID : 43357611624
 Status : Answered
 Chosen Option : C

Q.23 The value of solar energy absorbed per square meter from the surface of the earth per second is

- Ans ☒ A. 0.3 KJ / S
☒ B. 1.36 KJ / S
☒ C. 2.36 KJ / S
☒ D. 1.76 KJ / S

Question Type : MCQ
 Question ID : 4335763182
 Option 1 ID : 43357612725
 Option 2 ID : 43357612726
 Option 3 ID : 43357612727
 Option 4 ID : 43357612728
 Status : Marked For Review
 Chosen Option : D

Q.24 The speed of a moving object is 0.06 m/s. This speed is equal to

- Ans ☒ A. 1.08 km/h
☒ B. 2.16 km/h
☒ C. 0.216 km/h
☒ D. 0.0216 km/h

Question Type : MCQ
 Question ID : 4335763295
 Option 1 ID : 43357613177
 Option 2 ID : 43357613178
 Option 3 ID : 43357613179
 Option 4 ID : 43357613180
 Status : Answered
 Chosen Option : C

Q.25 Two devices are connected between two points, say A and B, in parallel. The physical quantity that will remain the same between the two points is

- Ans ☒ A. Current
☒ B. Voltage
☒ C. Resistance
☒ D. None of these

Question Type : MCQ
 Question ID : 4335763106
 Option 1 ID : 43357612421
 Option 2 ID : 43357612422
 Option 3 ID : 43357612423
 Option 4 ID : 43357612424
 Status : Answered
 Chosen Option : A

Q.26 Which of these is not a function of auxin ?

- Ans ☒ A. Inducing callus formation
☒ B. Inducing dormancy
☒ C. Enhancing cell division
☒ D. maintaining apical dominance

Question Type : MCQ
 Question ID : 4335762947
 Option 1 ID : 43357611785
 Option 2 ID : 43357611786
 Option 3 ID : 43357611787
 Option 4 ID : 43357611788
 Status : Answered
 Chosen Option : B

Q.27 The amount of sound energy passing each second through unit area is called the -----
--- of sound.

- Ans ☒ A. Loudness
☒ B. Intensity
☒ C. Audible Range
☒ D. Reverberation

Question Type : MCQ
 Question ID : 4335763318
 Option 1 ID : 43357613269
 Option 2 ID : 43357613270
 Option 3 ID : 43357613271
 Option 4 ID : 43357613272
 Status : Answered
 Chosen Option : A

Q.28 the place where the value of 'g' is unaffected by the increase or decrease in the speed
of rotation of the earth about its own axis is.

- Ans ☒ A. Tropic of Cancer
☒ B. Tropice of Capricorn
☒ C. Poles
☒ D. Equator

Question Type : MCQ
 Question ID : 4335763308
 Option 1 ID : 43357613229
 Option 2 ID : 43357613230
 Option 3 ID : 43357613231
 Option 4 ID : 43357613232
 Status : Answered
 Chosen Option : C

Q.29 The correct chemical formula among the following is -

- Ans ☒ A. CaCl
☒ B. NaSO₄
☒ C. MgCl₂
☒ D. CaOH

Question Type : MCQ
 Question ID : 4335763218
 Option 1 ID : 43357612869
 Option 2 ID : 43357612870
 Option 3 ID : 43357612871
 Option 4 ID : 43357612872
 Status : Answered
 Chosen Option : D

Q.30 Frozen storage is generally operated a temperature of-

- Ans ☒ A. 0°C
☒ B. $(-) 18^{\circ}\text{C}$
☒ C. $(-)50^{\circ}\text{C}$
☒ D. $(-) 60^{\circ}\text{C}$

Question Type : MCQ
 Question ID : 4335763020
 Option 1 ID : 43357612077
 Option 2 ID : 43357612078
 Option 3 ID : 43357612079
 Option 4 ID : 43357612080
 Status : Answered
 Chosen Option : B

Q.31 Which of the following is a type of Precipitation?

- Ans ☒ A. Dew
☒ B. Fog
☒ C. Mist
☒ D. Hailstone

Question Type : MCQ
 Question ID : 4335762985
 Option 1 ID : 43357611937
 Option 2 ID : 43357611938
 Option 3 ID : 43357611939
 Option 4 ID : 43357611940
 Status : Answered
 Chosen Option : A

Q.32 Identify the Principle behind the working of an AC generator

- Ans ☒ A. Eddy current
☒ B. Faraday 's law
☒ C. Lenz's law
☒ D. Electromagnetic induction

Question Type : MCQ
 Question ID : 4335762998
 Option 1 ID : 43357611989
 Option 2 ID : 43357611990
 Option 3 ID : 43357611991
 Option 4 ID : 43357611992
 Status : Answered
 Chosen Option : A

Q.33 Based on Archimedes Principle, for totally immersed objects, what is the volume of the fluid displaced by the object?

- Ans ☒ A. Greater than its own volume
☒ B. less than its own volume
☒ C. Equal to its own volume
☒ D. Depends on the fluid

Question Type : MCQ
 Question ID : 4335762969
 Option 1 ID : 43357611873
 Option 2 ID : 43357611874
 Option 3 ID : 43357611875
 Option 4 ID : 43357611876
 Status : Answered
 Chosen Option : D

Q.34 The common name of ethyne is

- Ans ☒ A. Propylene
☒ B. Ethylene
☒ C. Acetylene
☒ D. Methyl-Acetylene

Question Type : MCQ
 Question ID : 4335763170
 Option 1 ID : 43357612677
 Option 2 ID : 43357612678
 Option 3 ID : 43357612679
 Option 4 ID : 43357612680
 Status : Answered
 Chosen Option : C

Q.35 The skylight of the house is given very close to the roof.

- Ans ☒ A. to throw household garbage
☒ B. to talk
☒ C. Because hot air rises up and comes out of the skylight.
☒ D. None of these.

Question Type : MCQ
 Question ID : 4335763181
 Option 1 ID : 43357612721
 Option 2 ID : 43357612722
 Option 3 ID : 43357612723
 Option 4 ID : 43357612724
 Status : Answered
 Chosen Option : C

Q.36 Which among the following is/are also known as the Amphibians of the Plant Kingdom?

- Ans ☒ A. Bryophyta
☒ B. Thallophyta
☒ C. Pteridophyta
☒ D. More than One options are correct.

Question Type : MCQ
 Question ID : 4335763226
 Option 1 ID : 43357612901
 Option 2 ID : 43357612902
 Option 3 ID : 43357612903
 Option 4 ID : 43357612904
 Status : Answered
 Chosen Option : A

Q.37 Groups were left in Mendeleev's Periodic table to allow for the discovery of new elements in the future. Which of the following elements did not find a Place in the Periodic table until much later in history.

- Ans ☒ A. Silicon
☒ B. Oxygen
☒ C. Fluorine
☒ D. Germanium

Question Type : MCQ
 Question ID : 4335763052
 Option 1 ID : 43357612205
 Option 2 ID : 43357612206
 Option 3 ID : 43357612207
 Option 4 ID : 43357612208
 Status : Answered
 Chosen Option : D

Q.38 In order to reduce electricity consumption at home, what kind of appliance should one purchase?

- Ans ☒ A. One which draws low power
☒ B. One which produces less heat
☒ C. One which operates at a higher voltage
☒ D. One which draws a high amount of current

Question Type : MCQ
 Question ID : 4335763114
 Option 1 ID : 43357612453
 Option 2 ID : 43357612454
 Option 3 ID : 43357612455
 Option 4 ID : 43357612456
 Status : Answered
 Chosen Option : B

Q.39 Which of the following element has same valency and number of valence electrons ?

- Ans ☒ A. Nitrogen
☒ B. Sulphur
☒ C. Carbon
☒ D. Oxygen

Question Type : MCQ
 Question ID : 4335762922
 Option 1 ID : 43357611685
 Option 2 ID : 43357611686
 Option 3 ID : 43357611687
 Option 4 ID : 43357611688
 Status : Answered
 Chosen Option : A

Q.40 Which of the following is a weed?

- Ans ☒ A. Sudan grass
☒ B. Cowpea
☒ C. Parthenium
☒ D. Linseed

Question Type : MCQ
 Question ID : 4335763078
 Option 1 ID : 43357612309
 Option 2 ID : 43357612310
 Option 3 ID : 43357612311
 Option 4 ID : 43357612312
 Status : Answered
 Chosen Option : C

Q.41 The value of g on the surface of the moon

- Ans ☒ A. keeps changing day by day
☒ B. is less than that on the earth.
☒ C. is more than that on the earth.
☒ D. is the same as on the earth.

Question Type : MCQ
 Question ID : 4335763303
 Option 1 ID : 43357613209
 Option 2 ID : 43357613210
 Option 3 ID : 43357613211
 Option 4 ID : 43357613212
 Status : Answered
 Chosen Option : B

Q.42 Which of the following statements is correct regarding Mendeleev's classification of elements?

- Ans ☒ A. Mendeleev's periodic table was based on atomic number
- ☒ B. There were eight periods and seven groups in the periodic table
- ☒ C. A and B
- ☒ D. Mendeleev's periodic table could accommodate noble gases when they were discovered

Question Type : MCQ
Question ID : 4335763160
Option 1 ID : 43357612637
Option 2 ID : 43357612638
Option 3 ID : 43357612639
Option 4 ID : 43357612640
Status : Answered
Chosen Option : C

Q.43 Thermal energy is -----

- Ans ☒ A. equal to the temperature of 1 Kelvin of water
- ☒ B. equal to 100 °C
- ☒ C. The latent heat of vaporization absorbed by the body is equal
- ☒ D. None of these.

Question Type : MCQ
Question ID : 4335763183
Option 1 ID : 43357612729
Option 2 ID : 43357612730
Option 3 ID : 43357612731
Option 4 ID : 43357612732
Status : Answered
Chosen Option : D

Q.44 Which of the following types of motion is not exhibited by the earth moving around the sun?

- Ans ☒ A. Circular
- ☒ B. Rotational
- ☒ C. Rectilinear
- ☒ D. Periodic

Question Type : MCQ
Question ID : 4335763137
Option 1 ID : 43357612545
Option 2 ID : 43357612546
Option 3 ID : 43357612547
Option 4 ID : 43357612548
Status : Answered
Chosen Option : D

Q.45 The correct order of increasing acidic strength is

- Ans ☒ A. Phenol < Ethanol < Chloroacetic acid < Acetic acid
☒ B. Ethanol < Phenol < Chloroacetic acid < Acetic acid
☒ C. Ethanol < Phenol Acetic acid < Eihloroacetic acid
☒ D. Chloroacetic acid < Acetic acid < Phenol < Ethanol

Question Type : MCQ
 Question ID : 4335762919
 Option 1 ID : 43357611673
 Option 2 ID : 43357611674
 Option 3 ID : 43357611675
 Option 4 ID : 43357611676
 Status : Answered
 Chosen Option : B

Q.46 Which of the following statements is TRUE about the uptake of water in plants?

- Ans ☒ A. It occurs all the time due to diffusion.
☒ B. Water enters the roots due to osmosis.
☒ C. At night when transpiration is low, roots do not take up water.
☒ D. The movement of water from roots to leaves is bidirectional.

Question Type : MCQ
 Question ID : 4335763097
 Option 1 ID : 43357612385
 Option 2 ID : 43357612386
 Option 3 ID : 43357612387
 Option 4 ID : 43357612388
 Status : Answered
 Chosen Option : C

Q.47 Where is Barauni oil Refineary located?

- Ans ☒ A. Begusarai
☒ B. Patna
☒ C. Gaya
☒ D. Rohtas

Question Type : MCQ
 Question ID : 4335763325
 Option 1 ID : 43357613297
 Option 2 ID : 43357613298
 Option 3 ID : 43357613299
 Option 4 ID : 43357613300
 Status : Answered
 Chosen Option : C

Q.48 The cell wall of Spirogyra contains

- Ans ☒ A. Cellulose
☒ B. Chitin
☒ C. Lignin
☒ D. Suberin

Question Type : MCQ
 Question ID : 4335763045
 Option 1 ID : 43357612177
 Option 2 ID : 43357612178
 Option 3 ID : 43357612179
 Option 4 ID : 43357612180
 Status : Answered
 Chosen Option : A

Q.49 Plants that do not have a differentiated plant body belongs to the group.

- Ans ☒ A. Pteridophyta
☒ B. Phanerogams
☒ C. Thallophyta
☒ D. Bryophyta

Question Type : MCQ
 Question ID : 4335763225
 Option 1 ID : 43357612897
 Option 2 ID : 43357612898
 Option 3 ID : 43357612899
 Option 4 ID : 43357612900
 Status : Answered
 Chosen Option : C

Q.50 What causes reverberation?

- Ans ☒ A. Diffraction
☒ B. Frequency
☒ C. Reflection
☒ D. Refraction

Question Type : MCQ
 Question ID : 4335762976
 Option 1 ID : 43357611901
 Option 2 ID : 43357611902
 Option 3 ID : 43357611903
 Option 4 ID : 43357611904
 Status : Answered
 Chosen Option : B

Q.51 Which one of the following shows the correct sequence of the path of urine in the human excretory system ?

- Ans ☒ A. Kidney → urinary bladder → ureter → urethra
☒ B. Kidney → ureter → urethra → urinary bladder
☒ C. Kidney → urethra → urinary bladder → ureter
☒ D. Kidney → ureter → urinary bladder → urethra

Question Type : MCQ
 Question ID : 4335762939
 Option 1 ID : 43357611753
 Option 2 ID : 43357611754
 Option 3 ID : 43357611755
 Option 4 ID : 43357611756
 Status : Answered
 Chosen Option : D

Q.52 Which of the following is a set of animals in which all show external fertilization?

- Ans ☒ A. Lizards, butterflies, frogs
☒ B. Butterflies, frogs, fish
☒ C. Frogs, fish, starfish
☒ D. Hens, lizards, butterflies

Question Type : MCQ
 Question ID : 4335763362
 Option 1 ID : 43357613445
 Option 2 ID : 43357613446
 Option 3 ID : 43357613447
 Option 4 ID : 43357613448
 Status : Answered
 Chosen Option : A

Q.53 Which material is used for the production of thermal energy?

- Ans ☒ A. Water
☒ B. Coal
☒ C. Petroleum
☒ D. None of these

Question Type : MCQ
 Question ID : 4335763330
 Option 1 ID : 43357613317
 Option 2 ID : 43357613318
 Option 3 ID : 43357613319
 Option 4 ID : 43357613320
 Status : Answered
 Chosen Option : B

Q.54 Identify an example of decomposers that are found in the bottom of a pond:

- Ans ☒ A. Zooplankton
☒ B. Jellyfishes
☒ C. Flagellates
☒ D. Phytoplankton

Question Type : MCQ
 Question ID : 4335762982
 Option 1 ID : 43357611925
 Option 2 ID : 43357611926
 Option 3 ID : 43357611927
 Option 4 ID : 43357611928
 Status : Answered
 Chosen Option : D

Q.55 The two domains to which Prokaryotes are classified into are -:

- Ans ☒ A. Bacteria and Protista
☒ B. Bacteria and Archaea
☒ C. Archaea and Eukarya
☒ D. Eukarya and Monera

Question Type : MCQ
 Question ID : 4335762932
 Option 1 ID : 43357611725
 Option 2 ID : 43357611726
 Option 3 ID : 43357611727
 Option 4 ID : 43357611728
 Status : Answered
 Chosen Option : A

Q.56 Which of the following gas is evolved when ethanol reacts with sodium

- Ans ☒ A. CO₂
☒ B. H₂
☒ C. O₂
☒ D. N₂

Question Type : MCQ
 Question ID : 4335763174
 Option 1 ID : 43357612693
 Option 2 ID : 43357612694
 Option 3 ID : 43357612695
 Option 4 ID : 43357612696
 Status : Answered
 Chosen Option : B

Q.57 Which type of reaction is given below?
 $\text{CuSO}_4 \rightarrow \text{FeSO}_4 + \text{Cu}$

- Ans ☒ A. Neutralisation
☒ B. Displacement
☒ C. Combination
☒ D. None of these

Question Type : MCQ
 Question ID : 4335763150
 Option 1 ID : 43357612597
 Option 2 ID : 43357612598
 Option 3 ID : 43357612599
 Option 4 ID : 43357612600
 Status : Answered
 Chosen Option : B

Q.58 During contraction of heart, what prevents backflow of blood?

- Ans ☒ A. Thin walls of atria
☒ B. Thick muscular walls of ventricles
☒ C. Valves in heart
☒ D. All of these

Question Type : MCQ
 Question ID : 4335763034
 Option 1 ID : 43357612133
 Option 2 ID : 43357612134
 Option 3 ID : 43357612135
 Option 4 ID : 43357612136
 Status : Answered
 Chosen Option : C

Q.59 In Prokaryotic cell, ribosome are-

- Ans ☒ A. 70 S
☒ B. 80 S
☒ C. 60 S + 40 S
☒ D. 50 S + 40 S

Question Type : MCQ
 Question ID : 4335763024
 Option 1 ID : 43357612093
 Option 2 ID : 43357612094
 Option 3 ID : 43357612095
 Option 4 ID : 43357612096
 Status : Answered
 Chosen Option : A

Q.60 The gravitational potential energy of an object of mass m , raised through a height h , from the earth's surface is given by.

- Ans ☒ A. $\frac{1}{2}mv^2$
☒ B. mgh
☒ C. Fs
☒ D. W

Question Type : MCQ
 Question ID : 4335763311
 Option 1 ID : 43357613241
 Option 2 ID : 43357613242
 Option 3 ID : 43357613243
 Option 4 ID : 43357613244
 Status : Answered
 Chosen Option : B

Q.61 Which of the following is not among the invertebrates in Whittaker's classification?

- Ans ☒ A. Molluscs
☒ B. Annelids
☒ C. Platyhelminthes
☒ D. Protozoa

Question Type : MCQ
 Question ID : 4335763229
 Option 1 ID : 43357612913
 Option 2 ID : 43357612914
 Option 3 ID : 43357612915
 Option 4 ID : 43357612916
 Status : Answered
 Chosen Option : D

Q.62 The states of matter are-----

- Ans ☒ A. solid, ice, gas
☒ B. mud, liquid, gas
☒ C. solid, liquid, gas
☒ D. clay, gas, ice

Question Type : MCQ
 Question ID : 4335763185
 Option 1 ID : 43357612737
 Option 2 ID : 43357612738
 Option 3 ID : 43357612739
 Option 4 ID : 43357612740
 Status : Answered
 Chosen Option : C

Q.63 Woody Plants carry gaseous exchange through

- Ans ☒ A. root hair
☒ B. Stem hair
☒ C. Lenticels
☒ D. epidermal cells

Question Type : MCQ
 Question ID : 4335763033
 Option 1 ID : 43357612129
 Option 2 ID : 43357612130
 Option 3 ID : 43357612131
 Option 4 ID : 43357612132
 Status : Answered
 Chosen Option : D

Q.64 Which of the following is a complex accident?

- Ans ☒ A. hot water spill burns,
☒ B. boiled water spill
☒ C. burning by exhaling hot vapor at 100°C
☒ D. None of these.

Question Type : MCQ
 Question ID : 4335763194
 Option 1 ID : 43357612773
 Option 2 ID : 43357612774
 Option 3 ID : 43357612775
 Option 4 ID : 43357612776
 Status : Answered
 Chosen Option : C

Q.65 HIV virus is :-

- Ans ☒ A. Lentivirus
☒ B. Capripox virus
☒ C. Gallivirus
☒ D. Papillomavirus

Question Type : MCQ
 Question ID : 4335762953
 Option 1 ID : 43357611809
 Option 2 ID : 43357611810
 Option 3 ID : 43357611811
 Option 4 ID : 43357611812
 Status : Answered
 Chosen Option : C

Q.66 Biodegradable waste can be transformed into compost by a process called ? :-

Ans ☒ A. Composting

☒ B. Recycling

☒ C. Reusing

☒ D. Wasting

Question Type : MCQ

Question ID : 4335763258

Option 1 ID : 43357613029

Option 2 ID : 43357613030

Option 3 ID : 43357613031

Option 4 ID : 43357613032

Status : Answered

Chosen Option : A

Q.67 The orbit of an electron around the nucleus is

Ans ☒ A. circular

☒ B. Big circle

☒ C. oval

☒ D. square

Question Type : MCQ

Question ID : 4335763211

Option 1 ID : 43357612841

Option 2 ID : 43357612842

Option 3 ID : 43357612843

Option 4 ID : 43357612844

Status : Answered

Chosen Option : C

Q.68 The atom of an element has electronic configuration 2,8,7. To which of the following elements would it be chemically similar?

Ans ☒ A. N (7)

☒ B. P (15)

☒ C. Na (11)

☒ D. F (9)

Question Type : MCQ

Question ID : 4335763057

Option 1 ID : 43357612225

Option 2 ID : 43357612226

Option 3 ID : 43357612227

Option 4 ID : 43357612228

Status : Answered

Chosen Option : D

Q.69 Read the following statements carefully and select the correct option.

S1: Rayon is a synthetic fibre.

S2: Rayon is made without using any natural raw material.

Ans ☒ A. S1 is true and S2 is false

☒ B. S1 is false and S2 is true

☒ C. Both S1 and S2 are false

☒ D. Both S1 and S2 are true

Question Type : MCQ

Question ID : 4335763355

Option 1 ID : 43357613417

Option 2 ID : 43357613418

Option 3 ID : 43357613419

Option 4 ID : 43357613420

Status : Answered

Chosen Option : A

Q.70 Where is the headquarter of United Nations Environment Program (UNEP) located?

Ans ☒ A. Nairobi (kenya)

☒ B. New York

☒ C. Geneva

☒ D. None of these

Question Type : MCQ

Question ID : 4335763261

Option 1 ID : 43357613041

Option 2 ID : 43357613042

Option 3 ID : 43357613043

Option 4 ID : 43357613044

Status : Answered

Chosen Option : C

Q.71 Which of these character is dominant ?

Ans ☒ A. Wrinkled shape of seeds

☒ B. Apical position of flower

☒ C. Green colour of seed

☒ D. Axial position of flower

Question Type : MCQ

Question ID : 4335763279

Option 1 ID : 43357613113

Option 2 ID : 43357613114

Option 3 ID : 43357613115

Option 4 ID : 43357613116

Status : Answered

Chosen Option : C

Q.72 Which of the following statements give characteristics of contact forces ?

1. It appears between an object when it is in contact with some other object
2. It satisfies the third law of motion
3. It may appear between a pair of solid and fluid

Ans ☒ A. 1 and 3 only
☒ B. 2 and 3 only
☒ C. 1 and 2 only
☒ D. 1, 2 and 3

Question Type : MCQ
 Question ID : 4335763065
 Option 1 ID : 43357612257
 Option 2 ID : 43357612258
 Option 3 ID : 43357612259
 Option 4 ID : 43357612260
 Status : Answered
 Chosen Option : D

Q.73 Which one among the following combinations most appropriately represent the components of balanced diet ?

Ans ☒ A. Carbohydrate, vitamins, proteins, fat, minerals, fibres and water
☒ B. Carbohydrate, vitamins, proteins, fat and minerals
☒ C. Carbohydrate, vitamins, proteins, minerals and water
☒ D. Vitamins, proteins, fat, minerals, fibres and water

Question Type : MCQ
 Question ID : 4335763070
 Option 1 ID : 43357612277
 Option 2 ID : 43357612278
 Option 3 ID : 43357612279
 Option 4 ID : 43357612280
 Status : Answered
 Chosen Option : A

Q.74 The group Amniota (Amnia) includes

Ans ☒ A. Reptiles and birds
☒ B. Reptiles and Mammals
☒ C. Birds and Mammals
☒ D. Reptiles, birds and Mammals

Question Type : MCQ
 Question ID : 4335763232
 Option 1 ID : 43357612925
 Option 2 ID : 43357612926
 Option 3 ID : 43357612927
 Option 4 ID : 43357612928
 Status : Answered
 Chosen Option : A

Q.75 Express the Power dissipated in a $100\ \Omega$ resistor in dB relative to 1 mW, when the voltage across the resistor is 1.0 Vrms-

- Ans ☒ A. 100 dB
☒ B. 20 dB
☒ C. 10 dB
☒ D. 1 dB

Question Type : MCQ
 Question ID : 4335763007
 Option 1 ID : 43357612025
 Option 2 ID : 43357612026
 Option 3 ID : 43357612027
 Option 4 ID : 43357612028
 Status : Answered
 Chosen Option : C

Q.76 Lysosomes are the reservoirs of

- Ans ☒ A. Fat
☒ B. RNA
☒ C. Secretory glycoproteins
☒ D. Hydrolytic enzymes

Question Type : MCQ
 Question ID : 4335763080
 Option 1 ID : 43357612317
 Option 2 ID : 43357612318
 Option 3 ID : 43357612319
 Option 4 ID : 43357612320
 Status : Answered
 Chosen Option : D

Q.77 Which of the following reactions are not feasible?

- Ans ☒ A. $\text{PbSO}_4 + \text{Fe}$
☒ B. $\text{Al} + \text{CuSO}_4$
☒ C. $\text{Zn} + \text{CaSO}_4$
☒ D. $\text{Mg} + \text{ZnSO}_4$

Question Type : MCQ
 Question ID : 4335763378
 Option 1 ID : 43357613509
 Option 2 ID : 43357613510
 Option 3 ID : 43357613511
 Option 4 ID : 43357613512
 Status : Answered
 Chosen Option : A

Q.78 Which on of the following metals reacts with cold water to make hydroxide of metal?

- Ans ☒ A. Na & K
☒ B. Mg & Ca
☒ C. Na & Cu
☒ D. None of these

Question Type : MCQ
 Question ID : 4335763151
 Option 1 ID : 43357612601
 Option 2 ID : 43357612602
 Option 3 ID : 43357612603
 Option 4 ID : 43357612604
 Status : Answered
 Chosen Option : B

Q.79 Smooth endoplasmic reticulum performs-

- Ans ☒ A. Synthesis of Lipids
☒ B. Sterol metabolism
☒ C. Detoxification
☒ D. All of them

Question Type : MCQ
 Question ID : 4335762933
 Option 1 ID : 43357611729
 Option 2 ID : 43357611730
 Option 3 ID : 43357611731
 Option 4 ID : 43357611732
 Status : Answered
 Chosen Option : D

Q.80 Which one of the following is a sedimentary type of biogeochemical cycle?

- Ans ☒ A. Phosphorous and Carbon monoxide
☒ B. Oxygen and nitrogen
☒ C. Phosphate and nitrogen
☒ D. Phosphorous and Sulphur

Question Type : MCQ
 Question ID : 4335762990
 Option 1 ID : 43357611957
 Option 2 ID : 43357611958
 Option 3 ID : 43357611959
 Option 4 ID : 43357611960
 Status : Answered
 Chosen Option : D

Q.81 An ice cube floats in a glass of water, what happens to the level of water in the glass when ice melts?

- Ans ☒ A. Decreases
☒ B. Increases
☒ C. Remains the same
☒ D. First increases and then decreases

Question Type : MCQ
 Question ID : 4335762968
 Option 1 ID : 43357611869
 Option 2 ID : 43357611870
 Option 3 ID : 43357611871
 Option 4 ID : 43357611872
 Status : Answered
 Chosen Option : B

Q.82 Greenhouse gases are

- Ans ☒ A. Methane
☒ B. Nitrous oxide
☒ C. Carbon dioxide
☒ D. All

Question Type : MCQ
 Question ID : 4335763134
 Option 1 ID : 43357612533
 Option 2 ID : 43357612534
 Option 3 ID : 43357612535
 Option 4 ID : 43357612536
 Status : Answered
 Chosen Option : C

Q.83 Select the group which shares maximum number of common characters :-

- Ans ☒ A. two individuals of a same species
☒ B. two individuals of a same genus
☒ C. two individuals of a same order
☒ D. two individuals of a same family

Question Type : MCQ
 Question ID : 4335763282
 Option 1 ID : 43357613125
 Option 2 ID : 43357613126
 Option 3 ID : 43357613127
 Option 4 ID : 43357613128
 Status : Answered
 Chosen Option : A

Q.84 The resistance of a conductor does not depend on.

- Ans ☒ A. length of a conductor
☒ B. cross sectional area of a conductor
☒ C. Temperature of a conductor
☒ D. Electric current flowing through a conductor

Question Type : MCQ
 Question ID : 4335763334
 Option 1 ID : 43357613333
 Option 2 ID : 43357613334
 Option 3 ID : 43357613335
 Option 4 ID : 43357613336
 Status : Answered
 Chosen Option : C

Q.85 The displacement of a body is zero. The distance covered

- Ans ☒ A. may or may not be zero
☒ B. Depends upon the acceleration
☒ C. is not zero
☒ D. is zero

Question Type : MCQ
 Question ID : 4335762959
 Option 1 ID : 43357611833
 Option 2 ID : 43357611834
 Option 3 ID : 43357611835
 Option 4 ID : 43357611836
 Status : Answered
 Chosen Option : C

Q.86 The pressure exerted by a liquid column at the bottom of the liquid container is

- Ans ☒ A. Dependent on the density of the liquid
☒ B. Equal in all directions.
☒ C. Not dependent on the area of cross-section of container.
☒ D. All these are true.

Question Type : MCQ
 Question ID : 4335763314
 Option 1 ID : 43357613253
 Option 2 ID : 43357613254
 Option 3 ID : 43357613255
 Option 4 ID : 43357613256
 Status : Answered
 Chosen Option : B

Q.87 Collision between marble balls is which type of collision?

- Ans ☒ A. Inelastic collision
- ☒ B. Elastic Collision
- ☒ C. Destructive collision
- ☒ D. None of these

Question Type : MCQ
Question ID : 4335763038
Option 1 ID : 43357612149
Option 2 ID : 43357612150
Option 3 ID : 43357612151
Option 4 ID : 43357612152
Status : Answered
Chosen Option : B

Q.88 'X' is a rectangular coil consisting of a large number of turns of copper wire wound over a soft iron core in an AC generator. Identify 'X'

- Ans ☒ A. Slip ring
- ☒ B. Armature
- ☒ C. Copper brushes
- ☒ D. Field magnet

Question Type : MCQ
Question ID : 4335762999
Option 1 ID : 43357611993
Option 2 ID : 43357611994
Option 3 ID : 43357611995
Option 4 ID : 43357611996
Status : Answered
Chosen Option : D

Q.89 Read the following text:

When a negatively charged rod is brought near an uncharged electroscope,
(a) the electroscope leaves move further apart
(b) both the electroscope leaves acquire similar charge
(c) the negative charges pass on to the electroscope causing its leaves to move further apart of the above three statements:

- Ans ☒ A. (a) and (b) are observations and (c) is an inference
- ☒ B. (a), (b) and (c) are observations
- ☒ C. (a),(b) and (c) are inferences
- ☒ D. (a) is an observation while (b) and (c) are inferences

Question Type : MCQ
Question ID : 4335763347
Option 1 ID : 43357613385
Option 2 ID : 43357613386
Option 3 ID : 43357613387
Option 4 ID : 43357613388
Status : Answered
Chosen Option : C

Q.90 The cells having more than two complete sets of chromosomes are called.

- Ans ☒ A. Haploid
☒ B. Diploid
☒ C. Polyploid
☒ D. Polyhybrid

Question Type : MCQ
 Question ID : 4335763245
 Option 1 ID : 43357612977
 Option 2 ID : 43357612978
 Option 3 ID : 43357612979
 Option 4 ID : 43357612980
 Status : Answered
 Chosen Option : C

Q.91 The valency of nitrogen in NH_3 is -

- Ans ☒ A. 2
☒ B. 0
☒ C. 3
☒ D. 4

Question Type : MCQ
 Question ID : 4335763210
 Option 1 ID : 43357612837
 Option 2 ID : 43357612838
 Option 3 ID : 43357612839
 Option 4 ID : 43357612840
 Status : Answered
 Chosen Option : C

Q.92 Which onf the following properties of an element was considered by Mendeleev in order to form his Periodic Table?

- Ans ☒ A. Atomic volume
☒ B. Atomic mass
☒ C. Atomic number
☒ D. Vapour density

Question Type : MCQ
 Question ID : 4335763115
 Option 1 ID : 43357612457
 Option 2 ID : 43357612458
 Option 3 ID : 43357612459
 Option 4 ID : 43357612460
 Status : Answered
 Chosen Option : C

Q.93 Mendel selected which of the following traits for his studies?

- Ans ☒ A. Stem length, flower position
☒ B. Flower colour, seed shape
☒ C. Colour of pod, colour of seed
☒ D. All of these

Question Type : MCQ
 Question ID : 4335763278
 Option 1 ID : 43357613109
 Option 2 ID : 43357613110
 Option 3 ID : 43357613111
 Option 4 ID : 43357613112
 Status : Answered
 Chosen Option : D

Q.94 X and Y are thick, black liquids which can be used for metalling the roads. X is derived from petroleum and Y is derived from coal. Which of the following can X and Y respectively be?

- Ans ☒ A. Coal Tar, Charcoal
☒ B. Charcoal, Bitumen
☒ C. Coal Tar, Bitumen
☒ D. Bitumen, Coal Tar

Question Type : MCQ
 Question ID : 4335763357
 Option 1 ID : 43357613425
 Option 2 ID : 43357613426
 Option 3 ID : 43357613427
 Option 4 ID : 43357613428
 Status : Answered
 Chosen Option : D

Q.95 In a uniform magnetic field, the field lines are:

- Ans ☒ A. Curved
☒ B. Parallel equidistant straight lines
☒ C. Parallel but non-equid spaced straight lines
☒ D. Nothing can be said

Question Type : MCQ
 Question ID : 4335763119
 Option 1 ID : 43357612473
 Option 2 ID : 43357612474
 Option 3 ID : 43357612475
 Option 4 ID : 43357612476
 Status : Answered
 Chosen Option : B

Q.96 Which of the following food products are the best sources of animal proteins?

- Ans ☒ A. Milk
☒ B. Egg
☒ C. Cheese
☒ D. All of these

Question Type : MCQ
 Question ID : 4335763062
 Option 1 ID : 43357612245
 Option 2 ID : 43357612246
 Option 3 ID : 43357612247
 Option 4 ID : 43357612248
 Status : Answered
 Chosen Option : D

Q.97 Plants reproducing by spores are grouped under -

- Ans ☒ A. Bryophytes
☒ B. Sporophytes
☒ C. Cryptogams
☒ D. Thallophytes

Question Type : MCQ
 Question ID : 4335762930
 Option 1 ID : 43357611717
 Option 2 ID : 43357611718
 Option 3 ID : 43357611719
 Option 4 ID : 43357611720
 Status : Answered
 Chosen Option : B

Q.98 What is the name of the region where double-stranded single circular DNA is found in the Prokaryotic cell ?

- Ans ☒ A. Protonucleus
☒ B. Nucleus
☒ C. Nucleoid
☒ D. Nucleoplasm

Question Type : MCQ
 Question ID : 4335762931
 Option 1 ID : 43357611721
 Option 2 ID : 43357611722
 Option 3 ID : 43357611723
 Option 4 ID : 43357611724
 Status : Answered
 Chosen Option : D

Q.99 Consider the test item given below and match the following:

Column -A Column- B
Unit of force Joule
Symbol of iron HCl
Formula of hydrochloric acid Ag
Unit of work J|||
Symbol of silver Calorie
Symbol of battery Fe
Newton

- Ans ☒ A. There are unequal entries in column A and B
☒ B. The matching pairs can be easily guessed
☒ C. There is inconsistency among entries
☒ D. For an entry in column A there are at the most two plausible entries in Column B

Question Type : MCQ
Question ID : 4335763368
Option 1 ID : 43357613469
Option 2 ID : 43357613470
Option 3 ID : 43357613471
Option 4 ID : 43357613472
Status : Answered
Chosen Option : A

Q.10 Which of the following is a single valence radical?
0

- Ans ☒ A. Chloride
☒ B. Hydroxide
☒ C. Nitrate
☒ D. All of these

Question Type : MCQ
Question ID : 4335763206
Option 1 ID : 43357612821
Option 2 ID : 43357612822
Option 3 ID : 43357612823
Option 4 ID : 43357612824
Status : Answered
Chosen Option : D

Section : Part II

Q.10 Which of the following strategies seems most appropriate for teaching maps to primary
1 graders?

- Ans ☒ A. Drawing of the map by the teacher on the black-board and asking learners to locate different places
☒ B. Instructing learners to bring the map of India from their home
☒ C. Showing an atlas to learners and asking them to locate different places
☒ D. Facilitating learners to construct maps of their immediate surroundings by using their own symbols and focusing on relative position and direction of things

Question Type : MCQ
Question ID : 4335763643
Option 1 ID : 43357614569
Option 2 ID : 43357614570
Option 3 ID : 43357614571
Option 4 ID : 43357614572
Status : Answered
Chosen Option : D

Q.10 What questions would you ask Nelson Mandela in an interview? What level of Bloom's
2 Taxonomy is this question?

- Ans ☒ A. Application
☐ B. Evaluation
☐ C. Analysis
☐ D. None of the above

Question Type : MCQ
Question ID : 4335763499
Option 1 ID : 43357613993
Option 2 ID : 43357613994
Option 3 ID : 43357613995
Option 4 ID : 43357613996
Status : Answered
Chosen Option : D

Q.10 A micro-teaching cycle used to practice a teaching skill consists of
3

- Ans ☐ A. teaching, planning, feedback
☐ B. planning, feedback, teaching
☒ C. planning, teaching, feedback
☐ D. teaching, feedback, planning

Question Type : MCQ
Question ID : 4335763755
Option 1 ID : 43357615017
Option 2 ID : 43357615018
Option 3 ID : 43357615019
Option 4 ID : 43357615020
Status : Answered
Chosen Option : C

Q.10 In micro-teaching, the student-teacher plans a short lesson in which he can
4

- Ans ☐ A. learn a new skill
☐ B. develop a new opinion
☐ C. acquire a new knowledge
☒ D. practice a particular skill

Question Type : MCQ
Question ID : 4335763754
Option 1 ID : 43357615013
Option 2 ID : 43357615014
Option 3 ID : 43357615015
Option 4 ID : 43357615016
Status : Answered
Chosen Option : A

Q.10 Writing board is a/ an -
5

- Ans ☒ A. audio aid
☒ B. visual aid
☒ C. audio-visual aid
☒ D. None of these

Question Type : MCQ
Question ID : 4335764014
Option 1 ID : 43357616053
Option 2 ID : 43357616054
Option 3 ID : 43357616055
Option 4 ID : 43357616056
Status : Answered
Chosen Option : B

Q.10 Students in primary classes have a lot of alternate conceptions in many topics like
6 living, non-living, water cycle, plants etc. The sources of these alternate conceptions can be
I. family and community.
II. textbooks and other books.
III. Leathers
IV. stories and poems.
Select the correct option given below

- Ans ☒ A. I, II and IV
☒ B. I, II, III and IV
☒ C. Only I
☒ D. I and II

Question Type : MCQ
Question ID : 4335763649
Option 1 ID : 43357614593
Option 2 ID : 43357614594
Option 3 ID : 43357614595
Option 4 ID : 43357614596
Status : Answered
Chosen Option : A

Q.10 Identify the factors affecting teaching related to a positive learning environment in an
7 institution
I. The extent to which teachers make a clear presentation
II. The scope for sharing and open discussions within the classroom and the institution as such
III. Teachers mastery of the content as reflected in answering student & questions
IV. Frequent use of positive reinforcers either in the institution or classroom
V. Availability of teacher and his/her guidance

- Ans ☒ A. (i) and (iii)
☒ B. (ii) and (iii)
☒ C. (iv) and (v)
☒ D. (ii) and (iv)

Question Type : MCQ
Question ID : 4335764264
Option 1 ID : 43357617053
Option 2 ID : 43357617054
Option 3 ID : 43357617055
Option 4 ID : 43357617056
Status : Answered
Chosen Option : D

Q.10 Nalini wants to introduce the topic on 'Animals-our friends' to class III students. In order to introduce the topic more interestingly, the best teaching strategy would be to

- Ans ☒ A. ask the students to see pictures of animals given in the textbook
- ☒ B. use a chart showing pictures of different animals
- ☒ C. draw pictures of different animals on the black-board
- ☒ D. show a video film on animals and their usefulness

Question Type : MCQ
Question ID : 4335763632
Option 1 ID : 43357614525
Option 2 ID : 43357614526
Option 3 ID : 43357614527
Option 4 ID : 43357614528
Status : Answered
Chosen Option : D

Q.10 What is the 4 steps for constructing a test ?

- Ans ☒ A. Planning and preparing the test
- ☒ B. Try Out the test
- ☒ C. Evaluating the test
- ☒ D. All of these

Question Type : MCQ
Question ID : 4335764081
Option 1 ID : 43357616321
Option 2 ID : 43357616322
Option 3 ID : 43357616323
Option 4 ID : 43357616324
Status : Answered
Chosen Option : D

Q.11 Students pay respect to the teacher who

- Ans ☒ A. teaches in the right manner
- ☒ B. is very healthy and handsome
- ☒ C. has several degrees as qualification
- ☒ D. teaches the students much

Question Type : MCQ
Question ID : 4335764041
Option 1 ID : 43357616161
Option 2 ID : 43357616162
Option 3 ID : 43357616163
Option 4 ID : 43357616164
Status : Answered
Chosen Option : D

Q.11 Team teaching leads to the integration of the.....
1

- Ans ☒ A. Curriculum
☒ B. Practice
☒ C. Flexibility
☒ D. Resources

Question Type : MCQ
Question ID : 4335763812
Option 1 ID : 43357615245
Option 2 ID : 43357615246
Option 3 ID : 43357615247
Option 4 ID : 43357615248
Status : Answered
Chosen Option : C

Q.11 A teacher, in order to be successful, should
2

- Ans ☒ A. help students in achieving their goals
☒ B. provide subject knowledge to students
☒ C. concentrate on syllabus completion
☒ D. prepare students to score high marks

Question Type : MCQ
Question ID : 4335763951
Option 1 ID : 43357615801
Option 2 ID : 43357615802
Option 3 ID : 43357615803
Option 4 ID : 43357615804
Status : Answered
Chosen Option : A

Q.11 Which is not the characteristic of authoritative administration
3

- Ans ☒ A. Rudeness
☒ B. Suppression the subordinates
☒ C. Strict discipline
☒ D. Sharing

Question Type : MCQ
Question ID : 4335763895
Option 1 ID : 43357615577
Option 2 ID : 43357615578
Option 3 ID : 43357615579
Option 4 ID : 43357615580
Status : Answered
Chosen Option : B

Q.11 The best method to inspire students for hard labour is

4

Ans ☒ A. one should himself do hard labour seeing which students will be inspired spontaneously

☒ B. laborious students should be rewarded

☒ C. a lecture about the importance of hard labour be delivered

☒ D. the example of success through hard labour be presented

Question Type : MCQ

Question ID : 4335764046

Option 1 ID : 43357616181

Option 2 ID : 43357616182

Option 3 ID : 43357616183

Option 4 ID : 43357616184

Status : Answered

Chosen Option : D

Q.11 All are the major components involved in the classroom processes except ____.

5

Ans ☒ A. Evaluating teacher's performance

☒ B. Assessment of student's learning

☒ C. Expected learning outcomes

☒ D. Classroom transaction

Question Type : MCQ

Question ID : 4335763852

Option 1 ID : 43357615405

Option 2 ID : 43357615406

Option 3 ID : 43357615407

Option 4 ID : 43357615408

Status : Answered

Chosen Option : D

Q.11 Most appropriate meaning of learning is-

6

Ans ☒ A. Acquisition of knowledge

☒ B. Personal adjustment

☒ C. Inculcation of knowledge

☒ D. Modification of behaviour

Question Type : MCQ

Question ID : 4335764248

Option 1 ID : 43357616989

Option 2 ID : 43357616990

Option 3 ID : 43357616991

Option 4 ID : 43357616992

Status : Answered

Chosen Option : D

Q.11 How would you make your students independent?

7

- Ans ☒ A. Give responsibility to everyone
☒ B. Giving orders and expecting obedience
☒ C. Ignoring their petty fights
☒ D. Solving their problems for them

Question Type : MCQ
 Question ID : 4335764296
 Option 1 ID : 43357617181
 Option 2 ID : 43357617182
 Option 3 ID : 43357617183
 Option 4 ID : 43357617184
 Status : Answered
 Chosen Option : A

Q.11 Teacher must bear the principle of individual difference in his mind in order to

8

- Ans ☒ A. distribute study materials
☒ B. complete a course on time
☒ C. assess student performance
☒ D. adopt a suitable technique and standard

Question Type : MCQ
 Question ID : 4335763422
 Option 1 ID : 43357613685
 Option 2 ID : 43357613686
 Option 3 ID : 43357613687
 Option 4 ID : 43357613688
 Status : Answered
 Chosen Option : D

Q.11 Which of them is/are the nature of curriculum?

9

- Ans ☒ A. Critical
☒ B. Creative
☒ C. Conservative
☒ D. All of these

Question Type : MCQ
 Question ID : 4335764181
 Option 1 ID : 43357616721
 Option 2 ID : 43357616722
 Option 3 ID : 43357616723
 Option 4 ID : 43357616724
 Status : Answered
 Chosen Option : B

Q.12 In the USA the most widely used format on standardized tests is:

0

- Ans
- ☐ A. Matching list
 - ☐ B. Short answers
 - ☐ C. Essays type
 - ☒ D. Multiple choice questions

Question Type : MCQ
Question ID : 4335764153
Option 1 ID : 43357616609
Option 2 ID : 43357616610
Option 3 ID : 43357616611
Option 4 ID : 43357616612
Status : Answered
Chosen Option : D

Q.12 SOLO stands for

1

- Ans
- ☐ A. System of the observed learning outcome
 - ☐ B. structure of the observed learning output
 - ☒ C. Structure of the observed learning outcome
 - ☐ D. System of the observed learning output

Question Type : MCQ
Question ID : 4335763441
Option 1 ID : 43357613761
Option 2 ID : 43357613762
Option 3 ID : 43357613763
Option 4 ID : 43357613764
Status : Answered
Chosen Option : A

Q.12 Arrangement of physical resources is

2

- Ans
- ☐ A. Instructional tasks
 - ☒ B. None instructional tasks
 - ☐ C. Both Instructional and None instructional tasks
 - ☐ D. None

Question Type : MCQ
Question ID : 4335763892
Option 1 ID : 43357615565
Option 2 ID : 43357615566
Option 3 ID : 43357615567
Option 4 ID : 43357615568
Status : Answered
Chosen Option : A

Q.12 Which assessment technique involves students creating a collection of their work to
3 demonstrate their progress and achievements?

- Ans ☒ A. Formative assessment
☒ B. Summative assessment
☒ C. Performance assessment
☒ D. Portfolio assessment

Question Type : MCQ
Question ID : 4335764131
Option 1 ID : 43357616521
Option 2 ID : 43357616522
Option 3 ID : 43357616523
Option 4 ID : 43357616524
Status : Answered
Chosen Option : D

Q.12 Which of the following would you use to shape the habits?
4

- Ans ☒ A. Indoctrination
☒ B. Teaching
☒ C. Training
☒ D. None of these

Question Type : MCQ
Question ID : 4335763433
Option 1 ID : 43357613729
Option 2 ID : 43357613730
Option 3 ID : 43357613731
Option 4 ID : 43357613732
Status : Answered
Chosen Option : C

Q.12 Consider the following statements

- 5 I. This method is like the process of deduction wherein you cut down a bigger concept into smaller ones.
II. The knowledge achieved by this method is permanent.
The above given statements are referred to which method of teaching?

- Ans ☒ A. Synthesis
☒ B. Analysis
☒ C. Deductive
☒ D. Inductive

Question Type : MCQ
Question ID : 4335763605
Option 1 ID : 43357614417
Option 2 ID : 43357614418
Option 3 ID : 43357614419
Option 4 ID : 43357614420
Status : Answered
Chosen Option : C

Q.12 _____ is the process in which you identify the common aspects or basic
6 relationships in a variety of specific situations?

- Ans ☒ A. Abstraction
☒ B. Generalization
☒ C. Problem Solving
☒ D. Reasoning

Question Type : MCQ
Question ID : 4335764282
Option 1 ID : 43357617125
Option 2 ID : 43357617126
Option 3 ID : 43357617127
Option 4 ID : 43357617128
Status : Answered
Chosen Option : B

Q.12 Which of the following verbs is at greatest risk for misinterpretation:
7

- Ans ☒ A. List
☒ B. Construct
☒ C. Understand
☒ D. Demonstrate

Question Type : MCQ
Question ID : 4335763513
Option 1 ID : 43357614049
Option 2 ID : 43357614050
Option 3 ID : 43357614051
Option 4 ID : 43357614052
Status : Answered
Chosen Option : A

Q.12 The stage in problem solving that includes the preparation of suitable hypothesis for
8 investigation.

- Ans ☒ A. Survey
☒ B. Planning for action
☒ C. Problem description
☒ D. Discussion

Question Type : MCQ
Question ID : 4335763584
Option 1 ID : 43357614333
Option 2 ID : 43357614334
Option 3 ID : 43357614335
Option 4 ID : 43357614336
Status : Answered
Chosen Option : A

Q.12 The intervention needed for creative and talented children in the classroom rests on-
9

- Ans ☒ A. use of customized and stimulating instructional methods by the teacher
- ☒ B. giving extra time to them
- ☒ C. being affectionate towards them
- ☒ D. giving them the responsibility of teaching other children

Question Type : MCQ
Question ID : 4335763926
Option 1 ID : 43357615701
Option 2 ID : 43357615702
Option 3 ID : 43357615703
Option 4 ID : 43357615704
Status : Answered
Chosen Option : A

Q.13 Micro-teaching is a scaled down teaching encounter to reduce the duration of period of-
0 ----

- Ans ☒ A. 5 to 10 minutes
- ☒ B. 30 to 50 minutes
- ☒ C. 1 to 2 hours
- ☒ D. 2 to 3 hours

Question Type : MCQ
Question ID : 4335763752
Option 1 ID : 43357615005
Option 2 ID : 43357615006
Option 3 ID : 43357615007
Option 4 ID : 43357615008
Status : Answered
Chosen Option : B

Section : Part III

Q.13 In the given number series what number will come in place of the question mark
1 Symbol.

512, 256, 128, 64, ?

- Ans ☒ A. 28
- ☒ B. 30
- ☒ C. 32
- ☒ D. 34

Question Type : MCQ
Question ID : 4335764859
Option 1 ID : 43357619433
Option 2 ID : 43357619434
Option 3 ID : 43357619435
Option 4 ID : 43357619436
Status : Answered
Chosen Option : C

Q.13 Which two of the followig are connected by the North South Corridor?

2

Ans ☒ A. Srinagar and Kanyakumari

☒ B. Mumbai and Chennai

☒ C. Amritsar and Kolkata

☒ D. Hyderabad and Bhopal

Question Type : MCQ

Question ID : 4335764627

Option 1 ID : 43357618505

Option 2 ID : 43357618506

Option 3 ID : 43357618507

Option 4 ID : 43357618508

Status : Answered

Chosen Option : B

Q.13 How many players play in a Water Polo team at a time?

3

Ans ☒ A. 8

☒ B. 7

☒ C. 6

☒ D. 5

Question Type : MCQ

Question ID : 4335764527

Option 1 ID : 43357618105

Option 2 ID : 43357618106

Option 3 ID : 43357618107

Option 4 ID : 43357618108

Status : Answered

Chosen Option : D

Q.13 What is the primary purpose of the Goods and Services Tax (GST) in India?

4

Ans ☒ A. To unify and simplify the tax system

☒ B. To increase corporate tax rates

☒ C. To impose higher import duties

☒ D. To eliminate all state taxes

Question Type : MCQ

Question ID : 4335764429

Option 1 ID : 43357617713

Option 2 ID : 43357617714

Option 3 ID : 43357617715

Option 4 ID : 43357617716

Status : Answered

Chosen Option : A

Q.13 It takes five minutes to pass a rumour from one person to two other persons. The tree
5 of rumour continues. Find how many minutes does it take spread the rumour to 729
persons?

- Ans ☒ A. 45 min
☒ B. 25 min
☒ C. 30 min
☒ D. 36 min

Question Type : MCQ
Question ID : 4335764954
Option 1 ID : 43357619813
Option 2 ID : 43357619814
Option 3 ID : 43357619815
Option 4 ID : 43357619816
Status : Answered
Chosen Option : C

Q.13 Two numbers are in the ratio 3 : 5 . If 12 is added to both the numbers, then the ratio
6 becomes 5 : 7 . The sum of the given two numbers is

- Ans ☒ A. 32
☒ B. 40
☒ C. 48
☒ D. 56

Question Type : MCQ
Question ID : 4335764794
Option 1 ID : 43357619173
Option 2 ID : 43357619174
Option 3 ID : 43357619175
Option 4 ID : 43357619176
Status : Answered
Chosen Option : B

Q.13 Choose the correct option instead of the question mark in given question.
7

FMPW : UNKD :: HTDJ : ?

- Ans ☒ A. QWGS
☒ B. SGWQ
☒ C. QMTY
☒ D. SWQG

Question Type : MCQ
Question ID : 4335764823
Option 1 ID : 43357619289
Option 2 ID : 43357619290
Option 3 ID : 43357619291
Option 4 ID : 43357619292
Status : Answered
Chosen Option : B

Q.13 The mother of A and B is C. B's Husband is D. state how C is related to D?

8

Ans ☒ A. Mother-in-law

☐ B. Sister

☐ C. Mother

☐ D. Aunt

Question Type : MCQ

Question ID : 4335764885

Option 1 ID : 43357619537

Option 2 ID : 43357619538

Option 3 ID : 43357619539

Option 4 ID : 43357619540

Status : Answered

Chosen Option : A

Q.13 If + means-, - means*, *means ÷ and ÷ means+, then what will be the value of following?

9

$480*15+7-4\div 12=?$

Ans ☐ A. -8

☐ B. 12

☒ C. 16

☐ D. 18

Question Type : MCQ

Question ID : 4335764929

Option 1 ID : 43357619713

Option 2 ID : 43357619714

Option 3 ID : 43357619715

Option 4 ID : 43357619716

Status : Answered

Chosen Option : A

Q.14 The position of Indian Railways network in the world is

0

Ans ☐ A. Second

☐ B. Third

☒ C. Fourth

☐ D. Fifth

Question Type : MCQ

Question ID : 4335764631

Option 1 ID : 43357618521

Option 2 ID : 43357618522

Option 3 ID : 43357618523

Option 4 ID : 43357618524

Status : Answered

Chosen Option : A

Q.14 A branch of scholarship that flourished in Europe, particularly from the fifteenth to the
1 eighteenth centuries, and was devoted to the appreciation, chronicling and
classification of historic and non-organic relics, monuments and old texts refers to

- Ans ☒ A. Archaeology
☒ B. History
☒ C. Architecture
☒ D. Antiquarianism

Question Type : MCQ
Question ID : 4335764485
Option 1 ID : 43357617937
Option 2 ID : 43357617938
Option 3 ID : 43357617939
Option 4 ID : 43357617940
Status : Answered
Chosen Option : D

Q.14 What was the policy of British rulers in India for industrialisation?
2

- Ans ☒ A. The British rulers wanted to make India an importer of primary goods from Britain and
an exporter of finished goods to Britain
☒ B. The British rulers wanted to make India an exporter of both primary and finished goods
☒ C. The British rulers wanted to make India an importer of both primary and finished
goods
☒ D. The British rulers wanted to make India an exporter of primary goods to Britain and
an importer of finished goods from Britain

Question Type : MCQ
Question ID : 4335764461
Option 1 ID : 43357617841
Option 2 ID : 43357617842
Option 3 ID : 43357617843
Option 4 ID : 43357617844
Status : Answered
Chosen Option : B

Q.14 Aryasamaji leader Mr.Harvilas Sarada belonged to which part of India ?
3

- Ans ☒ A. Rajasthan
☒ B. Maharashtra
☒ C. Gujarat
☒ D. Punjab

Question Type : MCQ
Question ID : 4335764366
Option 1 ID : 43357617461
Option 2 ID : 43357617462
Option 3 ID : 43357617463
Option 4 ID : 43357617464
Status : Answered
Chosen Option : B

Q.14 In 2585, the place value of the digit at the thousands place is the place value of the digit
4 at the tens place

- Ans ☒ A. 4 times
☒ B. one fourth
☒ C. 25 times
☒ D. None of these

Question Type : MCQ
Question ID : 4335764685
Option 1 ID : 43357618737
Option 2 ID : 43357618738
Option 3 ID : 43357618739
Option 4 ID : 43357618740
Status : Answered
Chosen Option : D

Q.14 The cost price of house is Rs. 2500000, the cost of house repair is Rs. 150000. The
5 house was sold for 20 Percent profit. What is the selling price of house?

- Ans ☒ A. Rs.318000
☒ B. Rs.2580000
☒ C. Rs.2500000
☒ D. Rs.3180000

Question Type : MCQ
Question ID : 4335764762
Option 1 ID : 43357619045
Option 2 ID : 43357619046
Option 3 ID : 43357619047
Option 4 ID : 43357619048
Status : Answered
Chosen Option : B

Q.14 Salal Power Project is situated on which one among the following rivers ?
6

- Ans ☒ A. Chenab
☒ B. Jhelum
☒ C. Nubra
☒ D. Shyok

Question Type : MCQ
Question ID : 4335764383
Option 1 ID : 43357617529
Option 2 ID : 43357617530
Option 3 ID : 43357617531
Option 4 ID : 43357617532
Status : Answered
Chosen Option : C

Q.14 If we combine two consecutive triangular numbers, we get?
7

- Ans ☒ A. Rational Number
☒ B. Whole Number
☒ C. Perfect Square
☒ D. Prime Number

Question Type : MCQ
Question ID : 4335764751
Option 1 ID : 43357619001
Option 2 ID : 43357619002
Option 3 ID : 43357619003
Option 4 ID : 43357619004
Status : Answered
Chosen Option : C

Q.14 According to Distributive Law of Multiplication over Subtraction, the $a \times (b - c)$ must
8 be equal to

- Ans ☒ A. $a - b \times c - b$
☒ B. $a \times b - a \times c$
☒ C. $a \times b + a \times c$
☒ D. $a \times c - b \times c$

Question Type : MCQ
Question ID : 4335764700
Option 1 ID : 43357618797
Option 2 ID : 43357618798
Option 3 ID : 43357618799
Option 4 ID : 43357618800
Status : Answered
Chosen Option : B

Q.14 When was National Child Labour Elimination Authority formed?
9

- Ans ☒ A. 16th August, 1996
☒ B. 5th June, 1990
☒ C. 22nd July, 2002
☒ D. 26th September, 1994

Question Type : MCQ
Question ID : 4335764536
Option 1 ID : 43357618141
Option 2 ID : 43357618142
Option 3 ID : 43357618143
Option 4 ID : 43357618144
Status : Answered
Chosen Option : C

Q.15 It is not finned fish-----
0

- Ans ☒ A. Mulletts
☒ B. Bhetki
☒ C. Prawns
☒ D. Rohu

Question Type : **MCQ**
Question ID : **4335764585**
Option 1 ID : **43357618337**
Option 2 ID : **43357618338**
Option 3 ID : **43357618339**
Option 4 ID : **43357618340**
Status : **Answered**
Chosen Option : **A**

