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Participant ID	
Participant Name	
Test Center Name	
Test Date	04/11/2019
Test Time	4:30 PM - 6:30 PM
Subject	JUNIOR ENGINEER CIVIL

Section : Mental Ability

Q.1 Which figure does not belong to the group in the following question?

Ans

- ✓ 1.
- ✗ 2.
- ✗ 3.
- ✗ 4.

Question ID : 54592777181

Q.2 परिवार में आठ सदस्य हैं। ब्रावो और प्रिया, भाई-बहन हैं। एंजेल, काजल की पोती है, काजल जो प्रिया की सास है। ज़ीवा एक विवाहित महिला है और टिम से बड़ी है। टिम, सैम का एक पुत्र है, सैम जो ब्रावो का जीजा/साला है। स्मिथ, परिवार का सबसे बुजुर्ग पुरुष है। एंजेल, ज़ीवा की पुत्री नहीं है। तो ब्रावो, ज़ीवा से कैसे संबंधित है?

Ans

- ✗ 1. पुत्र
- ✓ 2. पति
- ✗ 3. जीजा/साला
- ✗ 4. दामाद

Question ID : 54592777173

Q.3 From the given four letter triads, three of them follow a certain similarity. Find the one which is different from others.

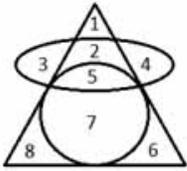
Ans

- ✓ 1. SQ : OM : KI
- ✗ 2. WV : TS : QP
- ✗ 3. IH : LK : ON
- ✗ 4. ML : PO : SR

Question ID : 54592777170

Q.4 In the following figure oval represents Man, circle represents agents, and triangle

represents Loyal. Who among the following is a man, who is a loyal agent?



- Ans
- 1. 7
  - 2. 5
  - 3. 1
  - 4. 2

Question ID : 54592777179

Q.5 In the question given below a statement is followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument.

Statement:  
Should film censorship be abolished?

Arguments:  
I. No, present trend of abolishing established things should be opposed.  
II. Yes, Art cannot grow and develop in a climate of control.

- Ans
- 1. If either argument I or arguments II is strong
  - 2. If neither argument I nor argument II is strong
  - 3. If only argument I is strong
  - 4. If only argument II is strong

Question ID : 54592777176

Q.6 In the question below, there are three statements followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusion logically follow(s) from the given statements.

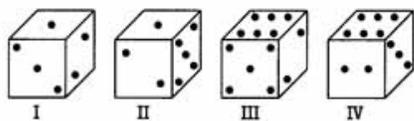
Statements:  
Some cattles are wheels.  
All roads are wheels.  
Some cars are roads.

Conclusions:  
I. Some cars are wheels.  
II. All cattles are cars.

- Ans
- 1. If only conclusion I is true
  - 2. If neither conclusion I nor II is true
  - 3. If only conclusion II is true
  - 4. If either conclusion I or II is true

Question ID : 54592777175

Q.7 How many dots will appear on the surface opposite to the surface having 6 dots.



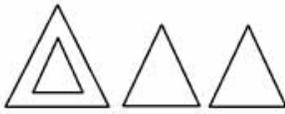
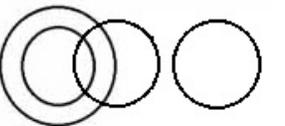
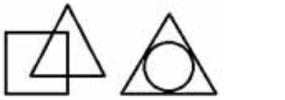
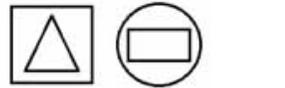
- Ans
- 1. 5
  - 2. 3
  - 3. 4

✓ 4.1

Question ID : 54592777184

Q.8 Which one of the following figures represents the relationship among Virat Kohli, Cricket, Sania Mirza and Tennis?

Ans

- ✗ 1. 
- ✗ 2. 
- ✗ 3. 
- ✓ 4. 

Question ID : 54592777180

Q.9 Find out the next term.

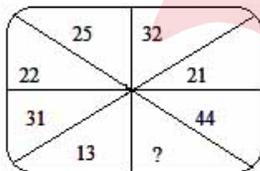
N13D, Q16G, T19J, W22D, ?

Ans

- ✗ 1. A26E
- ✓ 2. Z25G
- ✗ 3. Z23B
- ✗ 4. Z26G

Question ID : 54592777166

Q.10 Find missing number.

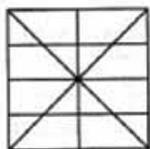


Ans

- ✓ 1. 12
- ✗ 2. 16
- ✗ 3. 19
- ✗ 4. 21

Question ID : 54592777178

Q.11 How many rectangles are there in the following figure?



Ans

- ✓ 1. 21

- 2. 26
- 3. 27
- 4. 25

Question ID : 54592777183

Q.12 A group of letters is given which are numbered 1, 2, 3, 4, 5, 6 and 7. Below are given four alternatives containing combinations of these numbers. Select that combination of numbers so that letters arranged accordingly, form a meaningful word.

W R A S O P R  
1 2 3 4 5 6 7

- Ans
- 1. 4637251
  - 2. 6345172
  - 3. 4631527
  - 4. 4367251

Question ID : 54592777172

Q.13 चार शब्द दिए गए हैं, जिनमें से तीन किसी तरह से समान हैं, जबकि एक अलग है। विषम का चयन करें।

- Ans
- 1. फूलगोभी
  - 2. ब्रोकोली
  - 3. पालक
  - 4. गोभी

Question ID : 54592777168

Q.14 यदि 'आराम' का अर्थ 'लड़ाई' है, 'लड़ाई' का अर्थ 'हार' है, 'हार' का अर्थ 'रेफरी' है, 'रेफरी' का अर्थ 'भीड़' है, 'भीड़' का अर्थ 'स्टेडियम' और 'स्टेडियम' का अर्थ 'यात्रा' है, तो व्यक्तियों के समूह को क्या कहते हैं?

- Ans
- 1. यात्रा
  - 2. स्टेडियम
  - 3. रेफरी
  - 4. लड़ाई

Question ID : 54592777171

Q.15 There are six friends who have different height and they stand according to their height information as given below. Q is greater than P and S. M is greater than P. T is greater than P who is greater than O. M is greater than Q. T is smaller than Q. Who among the following is the smallest in height?

- Ans
- 1. O
  - 2. T
  - 3. M
  - 4. (S) or (O)

Question ID : 54592777174

Q.16 In the word 'CRICKET' how many pairs of words have as many letter as in English alphabet?

- Ans
- 1. One
  - 2. Two
  - 3. Three
  - 4. Four

Question ID : 54592777165

Q.17 Choose the odd one from the given alternatives.

- Ans
- 1. ON : GH
  - 2. SR : IH
  - 3. IH : DE
  - 4. ML : FG

Question ID : 54592777167

Q.18 Select the option that is related to the third term in the same way as the second term is related to the first term.

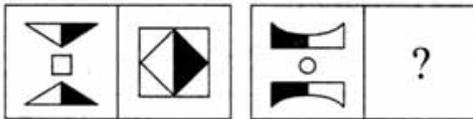
722 : 28 :: 546 : ?

- Ans
- 1. 144
  - 2. 120
  - 3. 135
  - 4. 100

Question ID : 54592777177

Q.19 Select a suitable figure from the option Figures that would replace the question mark (?)

Question figure:



Ans

- 1.
- 2.
- 3.
- 4.

Question ID : 54592777182

Q.20 Select the related word from the given alternatives.

Syed Kirmani : Cricket :: Jeev Milkha Singh : ?

- Ans
- 1. Football
  - 2. Cricket
  - 3. Golf
  - 4. Badminton

Question ID : 54592777169

Section : General Awareness

Q.1 किस वर्ष में भारत में ईस्ट इंडिया कंपनी के प्रशासन और गतिविधियों पर पाँचवीं रिपोर्ट को ब्रिटिश संसद में प्रस्तुत किया गया था?

- Ans
- 1. 1858
  - 2. 1813
  - 3. 1862
  - 4. 1810

Question ID : 54592777195

Q.2 Which of the following eye diseases is related to near-sightedness?

- Ans
- 1. Trachoma
  - 2. Cataract
  - 3. Myopia
  - 4. Hypermetropia

Question ID : 54592777189

Q.3 'The Shadow Of The Crescent Moon' book is written by whom?

- Ans
- 1. Fatima Bhutto
  - 2. Prashant Bhushan
  - 3. Narayan Murthi
  - 4. Ratan Tata

Question ID : 54592777197

Q.4 Which of the following amendments in the Indian Constitution is regarding the formation of the state of Nagaland with special protection under Article 371A?

- Ans
- 1. The Constitution Thirteenth Amendment Act
  - 2. The Constitution Eleventh Amendment Act
  - 3. The Constitution Twelfth Amendment Act
  - 4. The Constitution Fourteenth Amendment Act

Question ID : 54592777201

Q.5 Which of the following is an example of Sedimentary rock?

- Ans
- 1. Slate
  - 2. Granite
  - 3. Conglomerate
  - 4. Gabbro

Question ID : 54592777191

Q.6 In which year SIDBI was formed?

- Ans
- 1. 1990
  - 2. 1947
  - 3. 1980
  - 4. 1969

Question ID : 54592777187

Q.7 Shakuntala Devi is known as \_\_\_\_\_.

- Ans
- 1. Bismark of India
  - 2. India's human computer
  - 3. Nightingale of India
  - 4. Indian Einstein

Question ID : 54592777198

Q.8 Who was the winner of first ICC Women's World Cup?

- Ans
- 1. England
  - 2. Australia
  - 3. New Zealand
  - 4. West Indies

Question ID : 54592777204

Q.9 Which of the following crop was known as jins-i-kamil by the Mughal state?

- Ans
- 1. cotton and sugarcane
  - 2. Wheat
  - 3. Rice
  - 4. Maize and Jowar

Question ID : 54592777194

Q.10 नए बैंक लाइसेंस के लिए आवेदनों की जांच के लिए बनाई गयी समिति के अध्यक्ष कौन थे?

- Ans
- 1. पी.जे.नायक
  - 2. उर्जित पटेल
  - 3. बिमल जालान
  - 4. नचिकेत मोर

Question ID : 54592777188

Q.11 In which respect is Indian Constitution similar to American constitution?

- Ans
- 1. Fundamental rights
  - 2. Rigid constitution
  - 3. Completely independent Judiciary
  - 4. Presidential system

Question ID : 54592777200

Q.12 Which of the following plant suffers from red rot caused by fungi?

- Ans
- 1. Wheat
  - 2. Potato
  - 3. Tobacco
  - 4. Sugarcane

Question ID : 54592777190

Q.13 Basketball has how many players?

- Ans
- 1. 8
  - 2. 15
  - 3. 11
  - 4. 5

Question ID : 54592777203

Q.14 Sunil Chhetri is associated with which sports?

- Ans
- 1. Football
  - 2. Basketball
  - 3. Boxing
  - 4. Billiards

Question ID : 54592777202

Q.15 Which of the following is a famous Jain Temple?

- Ans
- 1. Meenakshi temple
  - 2. Dilwara Temple
  - 3. Konark Sun Temple
  - 4. Jagannath Temple

Question ID : 54592777193

Q.16 In which of the following state of India Tirthamukh Mela is held?

- Ans
- 1. Punjab
  - 2. Rajasthan
  - 3. Tripura
  - 4. Tamil Nadu

Question ID : 54592777186

Q.17 Rukmini Devi Arundale is associated with which dance?

- Ans
- 1. Kathakali
  - 2. Bharatnatyam
  - 3. Odissi
  - 4. Kathak

Question ID : 54592777185

Q.18 \_\_\_\_\_ is consulted to amend the Article relating to the distribution of powers between the States and the Center.

- Ans
- 1. State government
  - 2. Chief Minister of state
  - 3. MLA
  - 4. Governor of state

Question ID : 54592777199

Q.19 Who is the winner of Ramon Magsaysay award 2019?

- Ans
- 1. Arnab Goswami
  - 2. Barkha Dutt

- 3. Rajdeep Sardesai
- 4. Ravish Kumar

Question ID : 54592777196

Q.20 Potwar Plateau acted as the water divide between which two river system?

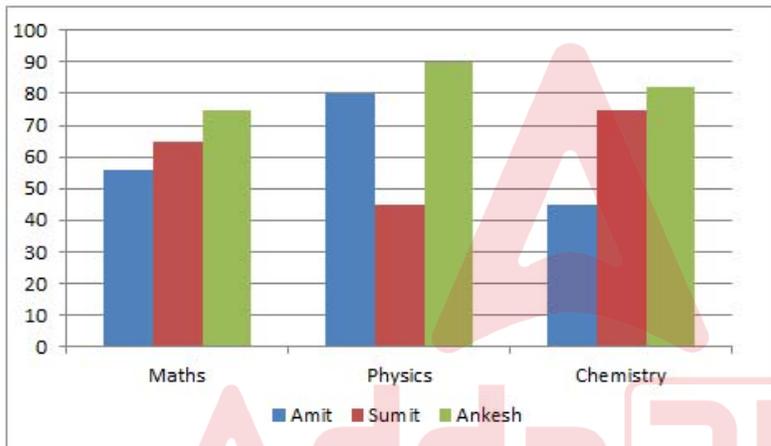
- Ans
- 1. Ganga and Brahmaputra drainage systems
  - 2. Krishna and Kaveri Drainage Systems
  - 3. Mahanadi and Ganga drainage systems
  - 4. Indus and Ganga drainage systems

Question ID : 54592777192

Section : Arithmetic Ability

Q.1 Study the following graph carefully to answer the question that follow.

Percentage of marks Obtained by three students in three different subjects in their 12th Board Exam



If the Maximum marks in maths is 150, then find the average marks in maths of all the students.

- Ans
- 1. 97.5
  - 2. 98
  - 3. 96
  - 4. 98.5

Question ID : 54592777224

Q.2 In an examination a candidate who got 30 percent of the total marks, failed by 8 marks. Another candidate who got 35 percent and got 12 marks more than the passing marks. Total marks are:

- Ans
- 1. 500
  - 2. 800
  - 3. 300
  - 4. 400

Question ID : 54592777210

Q.3 If A percent of A/B + A/B percent of A = C percent of A/B, C = ?

- Ans
- 1. 2A

- 2. B
- 3. 2B
- 4. A

Question ID : 54592777211

Q.4 Average marks obtained by Rohit in 3 papers is 52 and in the fourth paper, he scored 64 marks. Find the new average of marks scored by Rohit.

- Ans
- 1. 56
  - 2. 52
  - 3. 55
  - 4. 54

Question ID : 54592777209

Q.5 Two persons A and B started from two different places towards each other. If the ratio of their speeds be 3 : 5, then what is the ratio of distance covered by A and B respectively till the point of meeting?

- Ans
- 1. 3 : 4
  - 2. 5 : 3
  - 3. 1 : 2
  - 4. 3 : 5

Question ID : 54592777217

Q.6 Two pipes can fill a cistern in 3 hours and 3 hours 45 minutes respectively and a third pipe can empty the whole cistern in an hour. The cistern is half filled with water and all the three pipes are opened together. After how many times cistern will be emptied?

- Ans
- 1. 1 hour 15 minutes
  - 2. 45 minutes
  - 3. 1 hour 30 minutes
  - 4. 1 hour 45 minutes

Question ID : 54592777218

Q.7 B would have taken 10 hours more than what A would have taken to complete a task if each of them worked alone. Working together they can complete the task in 12 hours. How many hours would B take to do 40 percent of the task?

- Ans
- 1. 20
  - 2. 30
  - 3. 10
  - 4. 12

Question ID : 54592777219

Q.8 The weights of Harish and Vijay are in the ratio 2 : 3 and the weights of Vijay and Ajay are in the ratio 3 : 5. What is Vijay's weight (in kg) if the sum of the weights of Vijay, Harish and Ajay is 250 kg?

- Ans
- 1. 49
  - 2. 65
  - 3. 75
  - 4. 84

Question ID : 54592777214

Q.9 A man walking at the rate of 3 km/hr crosses a square field diagonally in 2 min. The area of the field is:

- Ans
- 1. 5000 square meter
  - 2. 3000 square meter
  - 3. 2000 square meter
  - 4. 2500 square meter

Question ID : 54592777216

Q.10 A room is in the shape of cube and the length of the longest rod placed in it is  $21\sqrt{3}$  cm. Find the area of the floor.

- Ans
- 1. 961 sq cm.
  - 2. 144 sq cm.
  - 3. 441 sq cm.
  - 4. 169 sq cm.

Question ID : 54592777220

Q.11 Simplify the following expression.

$$575 \div 23 - 14 \times 12 + 256 - 23$$

- Ans
- 1. 96
  - 2. 83
  - 3. 89
  - 4. 90

Question ID : 54592777205

Q.12 A person sells an article at a profit of 25 percent. If he had bought it at 12.5 percent less and sold it for Rs. 10 more, He would have gained 50 percent. Find the cost price of the article. (in Rupees)

- Ans
- 1. 160
  - 2. 250
  - 3. 100
  - 4. 150

Question ID : 54592777212

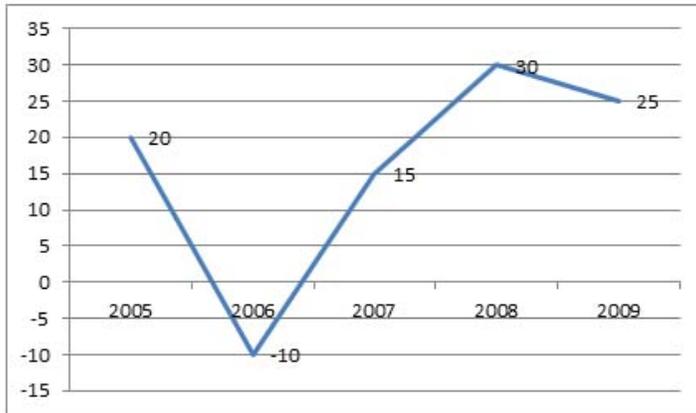
Q.13 What minimum value must be given to x to make  $6357x5$  exactly divisible by 9?

- Ans
- 1. 8
  - 2. 1
  - 3. 9
  - 4. 3

Question ID : 54592777207

Q.14 Study the following graphs carefully and answer the question that follow.

Price growth (in percent) as compared to previous year of sugar/kg over the years  
(Negative value shows decrease percent in price per kg)



If the cost Price of Sugar in 2005 is Rs 15/kg, then the average price of sugar in 2005,2007 and 2008 is :

- Ans
- 1. 16.90 per kg
  - 2. 27.2 per kg
  - 3. 18.6 per kg
  - 4. 15.8 per kg

Question ID : 54592777223

Q.15 What should come in place of the question mark (?) in the following question?

$$\frac{24^2 - 13^2 + 7^2}{19} = ?$$

- Ans
- 1. 24
  - 2. 18
  - 3. 26
  - 4. 22

Question ID : 54592777206

Q.16 In an examination of a class of 20 students, 2 students scored 100 marks each in Mathematics, 3 got zero each and the average of the rest was 40. What is the average of the whole class?

- Ans
- 1. 40 marks
  - 2. 45 marks
  - 3. 32 marks
  - 4. 35 marks

Question ID : 54592777208

Q.17 Study the following table carefully and answer the given question.

Number of Candidates Appearing For Interview for a post of Assistant Engineer in Various PSU's

PSU	Appeared Candidates	% of Qualifying Candidates
ECIL	150	20%
NPCIL	300	17 %
CIL	125	40%
NHPC	150	36%
EIL	140	56%

The Ratio of number of Candidates who did not qualify in NHPC and number of Candidates who did not Qualify in NPCIL respectively is:

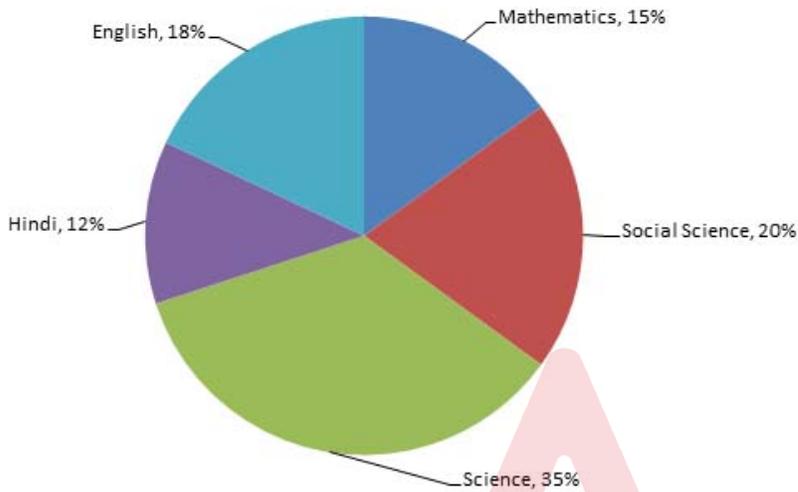
Ans

- 1. 95 : 124
- 2. 25 : 36
- 3. 94 : 249
- 4. 32 : 83

Question ID : 54592777221

Q.18 Study the following pie-chart and answer the following question.

Percentage wise Distribution of Teacher of six different Subjects in a School  
Total number of Teachers = 180



40 percent of the total teacher are females and 25 percent of the females teacher are in social science department. Find the number of male teachers in Social science department.

- Ans
- 1. 20
  - 2. 18
  - 3. 12
  - 4. 15

Question ID : 54592777222

Q.19 The cost of 3 Books, 5 Geometry box and 11 copies are Rs.1010. The cost of 2 Books, 4 geometry box and 7 copies are is Rs. 690. Find the total cost of 2 book and 9 copies. (in Rs.)

- Ans
- 1. 780
  - 2. 700
  - 3. 590
  - 4. 690

Question ID : 54592777213

Q.20 In what time does a money becomes double at simple interest rate of 6 percent per annum?

- Ans
- 1. 14.66 Years
  - 2. 16.66 Years
  - 3. 17.66 Years
  - 4. 15.66 Years

Question ID : 54592777215

Section : General English

Q.1 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select option No substitution required.

This year is different, though, and it's a pleasure.

- Ans
- 1. although
  - 2. No substitution required
  - 3. therefore
  - 4. anyway

Question ID : 54592777227

Q.2 Four alternatives are given for the Idiom/ Phrase underlined in the sentence. Choose the best alternative which best expresses the meaning of the idiom/phrase.

Parents should refrain from turning a blind eye to their kids' misdeeds.

- Ans
- 1. to be annoyed
  - 2. overlook or ignore
  - 3. issue a warning
  - 4. to reprimand

Question ID : 54592777238

Q.3 Out of the four alternatives, choose the one which can be substituted for the given words/sentence.

A short piece of writing or a poem about a dead person, especially one written on their gravestone

- Ans
- 1. Pyre
  - 2. Post-mortem
  - 3. Shroud
  - 4. Epitaph

Question ID : 54592777239

Q.4 Four alternatives are given for the Idiom/ Phrase underlined in the sentence. Choose the best alternative which best expresses the meaning of the idiom/phrase.

After failing for several times, the young police officer was adamant in carving out a niche for himself.

- Ans
- 1. to leave a job title
  - 2. to be annoyed
  - 3. to successfully create or get something
  - 4. to analyse the situation

Question ID : 54592777237

Q.5 Out of the given four words only one is not spelt correctly. Find the word that is not correctly spelt.

- Ans
- 1. Prejudice
  - 2. Procedure
  - 3. Portugese
  - 4. Prevalent

Question ID : 54592777235

Q.6 Rearrange the following sentence in its correct order to form a meaningful paragraph.

About forty years ago  
P - in which he produced  
Q - large artificial cells  
R - a chemist made an interesting experiment

- Ans
- 1. PRQ
  - 2. QPR
  - 3. RPQ
  - 4. QRP

Question ID : 54592777233

Q.7 Rearrange the following sentences in their correct order to form a meaningful paragraph.

P. One day, a crocodile came out of the river.  
Q. A long time ago, there was a monkey who lived in a rose-apple tree by the side of a river.  
R. The kind monkey offered him a few rose-apples.  
S. He swam up to the tree and told the monkey that he was very hungry.  
T. The crocodile thanked him and asked him if he could visit him again.

- Ans
- 1. QPSTR
  - 2. SRTPQ
  - 3. QPSRT
  - 4. RQPTS

Question ID : 54592777232

Q.8 Out of the given four words only one is spelt correctly. Find the word that is correctly spelt.

- Ans
- 1. Referendum
  - 2. Prognosis
  - 3. Quarentine
  - 4. Posthumous

Question ID : 54592777236

Q.9 Select the most appropriate option to fill in the blank.

There was only one guard positioned on the other side of the doors, and he was walking away \_\_\_\_\_ her.

- Ans
- 1. from
  - 2. with
  - 3. for
  - 4. to

Question ID : 54592777231

Q.10 Select the most appropriate option to fill in the blank.

There was so \_\_\_\_\_ gossip that it was hard to pay much attention to the debate.

- Ans
- 1. much
  - 2. less
  - 3. many
  - 4. very

Question ID : 54592777229

Q.11 Out of the four sentences given below, find the sentence which is grammatically correct?

Ans

- 1. I, Mohan and you will go to Super Market today
- 2. You, Mohan and I will go to Super Market today.
- 3. Mohan, You, and I will go to Super Market today.
- 4. I, You and Mohan will go to Super Market today.

Question ID : 54592777226

Q.12 Select the most appropriate option to fill in the blank.

After escaping the police, he had run \_\_\_\_\_ the roofs of the buildings and come to the end of the block.

- Ans
- 1. side
  - 2. apart
  - 3. beside
  - 4. along

Question ID : 54592777230

Q.13 Identify the incorrect sentence or sentences.

- a. I helped the Polio vaccine for the children.
- b. I would give a lump of sugar to each child.
- c. The health assistant would squeeze a drop of the solution into each lump.
- d. Then I checked if the children had all swallowed.

- Ans
- 1. b and c
  - 2. Only a
  - 3. a and d
  - 4. Only c

Question ID : 54592777225

Q.14 Choose the word which is opposite in meaning to the given word.

DORMANT

- Ans
- 1. Asleep
  - 2. Inside
  - 3. Hidden
  - 4. Active

Question ID : 54592777234

Q.15 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select option No substitution required.

The sun was just setting over the distant horizon when I heard the roar of an unexpected motor in the driveway.

- Ans
- 1. was to be setting
  - 2. were just set
  - 3. was to just set
  - 4. No substitution required

Question ID : 54592777228

**Comprehension:**

Read the following passages carefully and answer the questions that follow.

Archaeology is the study of human activity through the recovery and analysis of material culture. The archaeological record consists of artefacts, architecture, bio facts or eco facts

and cultural landscapes. Archaeology can be considered both a social science and a branch of humanities. In North America, archaeology is considered to be a sub-field of anthropology, while in Europe, archaeology is often viewed as either a discipline in its own right or a sub-field of other disciplines.

Archaeologists study human prehistory and history from the development of the first stone tools at Lomekwi, eastern Africa and 3.3 million years ago up until recent decades.

Archaeology, as a field, is distinct from the discipline of palaeontology, the study of fossil remains. Archaeology is particularly important for learning about prehistoric societies for whom there may be no written records to study. Prehistory includes over 99 percent of the human past, from the Palaeolithic until the advent of literacy in societies across the world. Archaeology has various goals, which range from understanding culture history to reconstructing past life ways to documenting and explaining changes in human societies through time.

The discipline involves surveying, excavation and eventually analysis of data collected to learn more about the past. In broad scope, archaeology relies on cross-disciplinary research. It draws upon anthropology, history, classics, ethnology, geography, geology, linguistics, semiology, physics, information sciences, chemistry, statistics, paleoecology, palaeontology, paleozoology, etc.

Archaeology developed out of antiquarianism in Europe during the 19th century, and has since become a discipline practiced across the world. Since its early development, various specific sub-disciplines of archaeology have developed, including maritime archaeology, feminist archaeology and archaeoastronomy, and numerous different scientific techniques have been developed to aid archaeological investigation. Nonetheless, today, archaeologists face many problems, such as dealing with pseudo archaeology, the looting of artefacts, a lack of public interest and opposition to the excavation of human remains.

**SubQuestion No : 16**

**Q.16 Under what discipline can archaeology be placed?**

- A. Humanities
- B. Anthropology
- C. Social science

- Ans
- 1. Only A
  - 2. None of these
  - 3. Both A and B
  - 4. Only B

Question ID : 54592777244

**Comprehension:**

Read the following passages carefully and answer the questions that follow.

Archaeology is the study of human activity through the recovery and analysis of material culture. The archaeological record consists of artefacts, architecture, bio facts or eco facts and cultural landscapes. Archaeology can be considered both a social science and a branch of humanities. In North America, archaeology is considered to be a sub-field of anthropology, while in Europe, archaeology is often viewed as either a discipline in its own right or a sub-field of other disciplines.

Archaeologists study human prehistory and history from the development of the first stone tools at Lomekwi, eastern Africa and 3.3 million years ago up until recent decades.

Archaeology, as a field, is distinct from the discipline of palaeontology, the study of fossil remains. Archaeology is particularly important for learning about prehistoric societies for whom there may be no written records to study. Prehistory includes over 99 percent of the human past, from the Palaeolithic until the advent of literacy in societies across the world. Archaeology has various goals, which range from understanding culture history to reconstructing past life ways to documenting and explaining changes in human societies through time.

The discipline involves surveying, excavation and eventually analysis of data collected to learn more about the past. In broad scope, archaeology relies on cross-disciplinary research. It draws upon anthropology, history, classics, ethnology, geography, geology, linguistics, semiology, physics, information sciences, chemistry, statistics, paleoecology, palaeontology, paleozoology, etc.

Archaeology developed out of antiquarianism in Europe during the 19th century, and has since become a discipline practiced across the world. Since its early development, various specific sub-disciplines of archaeology have developed, including maritime archaeology, feminist archaeology and archaeoastronomy, and numerous different scientific techniques have been developed to aid archaeological investigation. Nonetheless, today, archaeologists face many problems, such as dealing with pseudo archaeology, the looting of artefacts, a lack of public interest and opposition to the excavation of human remains.

**SubQuestion No : 17**

**Q.17 Which techniques are involved in archaeology?**

- Ans
- 1. Excavation alone
  - 2. Survey, excavation and analysis
  - 3. Survey, excavation and data analysis
  - 4. Survey and excavation

Question ID : 54592777245

**Comprehension:**

Read the following passages carefully and answer the questions that follow.

Archaeology is the study of human activity through the recovery and analysis of material culture. The archaeological record consists of artefacts, architecture, bio facts or eco facts and cultural landscapes. Archaeology can be considered both a social science and a branch of humanities. In North America, archaeology is considered to be a sub-field of anthropology, while in Europe, archaeology is often viewed as either a discipline in its own right or a sub-field of other disciplines.

Archaeologists study human prehistory and history from the development of the first stone tools at Lomekwi, eastern Africa and 3.3 million years ago up until recent decades.

Archaeology, as a field, is distinct from the discipline of palaeontology, the study of fossil remains. Archaeology is particularly important for learning about prehistoric societies for whom there may be no written records to study. Prehistory includes over 99 percent of the human past, from the Palaeolithic until the advent of literacy in societies across the world. Archaeology has various goals, which range from understanding culture history to reconstructing past life ways to documenting and explaining changes in human societies through time.

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Archaeology developed out of antiquarianism in Europe during the 19th century, and has since become a discipline practiced across the world. Since its early development, various specific sub-disciplines of archaeology have developed, including maritime archaeology, feminist archaeology and archaeoastronomy, and numerous different scientific techniques have been developed to aid archaeological investigation. Nonetheless, today, archaeologists face many problems, such as dealing with pseudo archaeology, the looting of artefacts, a lack of public interest and opposition to the excavation of human remains.

SubQuestion No : 18

Q.18 What constitutes an archaeological record?

- A. Architecture
- B. Artefacts
- C. Eco

- Ans
- 1. Only B
  - 2. Only C
  - 3. All of these
  - 4. Only A

Question ID : 54592777243

**Comprehension:**

Read the following passages carefully and answer the questions that follow.

Archaeology is the study of human activity through the recovery and analysis of material culture. The archaeological record consists of artefacts, architecture, bio facts or eco facts and cultural landscapes. Archaeology can be considered both a social science and a branch of humanities. In North America, archaeology is considered to be a sub-field of anthropology, while in Europe, archaeology is often viewed as either a discipline in its own right or a sub-field of other disciplines.

Archaeologists study human prehistory and history from the development of the first stone tools at Lomekwi, eastern Africa and 3.3 million years ago up until recent decades.

Archaeology, as a field, is distinct from the discipline of palaeontology, the study of fossil remains. Archaeology is particularly important for learning about prehistoric societies for whom there may be no written records to study. Prehistory includes over 99 percent of the human past, from the Palaeolithic until the advent of literacy in societies across the world. Archaeology has various goals, which range from understanding culture history to reconstructing past life ways to documenting and explaining changes in human societies through time.

The discipline involves surveying, excavation and eventually analysis of data collected to learn more about the past. In broad scope, archaeology relies on cross-disciplinary research. It draws upon anthropology, history, classics, ethnology, geography, geology, linguistics, semiology, physics, information sciences, chemistry, statistics, paleoecology, palaeontology, paleozoology, etc.

Archaeology developed out of antiquarianism in Europe during the 19th century, and has since become a discipline practiced across the world. Since its early development, various specific sub-disciplines of archaeology have developed, including maritime archaeology, feminist archaeology and archaeoastronomy, and numerous different scientific techniques have been developed to aid archaeological investigation. Nonetheless, today, archaeologists face many problems, such as dealing with pseudo archaeology, the looting of artefacts, a lack of public interest and opposition to the excavation of human remains.

**SubQuestion No : 19**

**Q.19 Archaeology is the study of:**

- Ans**
- 1. Human activity through material culture
  - 2. Material culture
  - 3. Dinosaurs and extinct species
  - 4. Fossils and bones

Question ID : 54592777241

**Comprehension:**

Read the following passages carefully and answer the questions that follow.

Archaeology is the study of human activity through the recovery and analysis of material culture. The archaeological record consists of artefacts, architecture, bio facts or eco facts and cultural landscapes. Archaeology can be considered both a social science and a branch of humanities. In North America, archaeology is considered to be a sub-field of anthropology, while in Europe, archaeology is often viewed as either a discipline in its own right or a sub-field of other disciplines.

Archaeologists study human prehistory and history from the development of the first stone tools at Lomekwi, eastern Africa and 3.3 million years ago up until recent decades. Archaeology, as a field, is distinct from the discipline of palaeontology, the study of fossil remains. Archaeology is particularly important for learning about prehistoric societies for whom there may be no written records to study. Prehistory includes over 99 percent of the human past, from the Palaeolithic until the advent of literacy in societies across the world. Archaeology has various goals, which range from understanding culture history to reconstructing past life ways to documenting and explaining changes in human societies through time.

The discipline involves surveying, excavation and eventually analysis of data collected to learn more about the past. In broad scope, archaeology relies on cross-disciplinary research. It draws upon anthropology, history, classics, ethnology, geography, geology, linguistics, semiology, physics, information sciences, chemistry, statistics, paleoecology, palaeontology, paleozoology, etc.

Archaeology developed out of antiquarianism in Europe during the 19th century, and has since become a discipline practiced across the world. Since its early development, various specific sub-disciplines of archaeology have developed, including maritime archaeology, feminist archaeology and archaeoastronomy, and numerous different scientific techniques have been developed to aid archaeological investigation. Nonetheless, today, archaeologists face many problems, such as dealing with pseudo archaeology, the looting of artefacts, a lack of public interest and opposition to the excavation of human remains.

**SubQuestion No : 20**

**Q.20 Which of the following sentence/s is true about archaeology?**

- A. Its goal is only to study human culture
- B. It is only a social science
- C. It draws upon various other disciplines

- Ans**
- 1. Only B and C
  - 2. Only A
  - 3. Only C
  - 4. Only B

Question ID : 54592777242

## Section : General Hindi

Q.1 शुद्ध वाक्य का चयन कीजिए।

- Ans
- 1. प्रत्येक स्थान पर एक-एक व्यक्ति बैठें।
  - 2. वह हँसी में सब कुछ बोल देता है।
  - 3. हमें प्रधान से निवेदन करना चाहिए।
  - 4. शत्रु को धीर व्यक्ति ही मार सकता है।

Question ID : 54592777254

Q.2 शब्द 'भुवनेश्वर' का सही संधि विच्छेद है-

- Ans
- 1. भु: + ईश्वर
  - 2. भुवनेश + अर
  - 3. भु + ईश्वर
  - 4. भुवन + ईश्वर

Question ID : 54592777246

Q.3 लोकोक्ति 'दाना न घास, घोड़े तेरी आस' का अर्थ है-

- Ans
- 1. अधिक उधार से कम नगद ही अच्छा
  - 2. भलाई करने के लिए किसी से क्या पुछना
  - 3. अपने किए का फल प्राप्त न होना
  - 4. देना न लेना, मुक्त में काम लेने के इरादे।

Question ID : 54592777259

Q.4 असंगत(बेमेल) शब्द का चयन कीजिए।

- Ans
- 1. अस्थिशेष
  - 2. खंडहर
  - 3. भूखण्ड
  - 4. शिलाखण्ड

Question ID : 54592777251

Q.5 नीचे दिए गए शब्द-युग्म के सही अर्थ-भेद का चयन कीजिए।

'ताक-ताख'

- Ans
- 1. दशा-दिशा
  - 2. घूरना-धूसर
  - 3. घूरकर देखना- दीवार का आला
  - 4. दीवार का आला - घूरकर देखना

Question ID : 54592777253

Q.6 'बट्टा' का पर्यायवाची शब्द है-

- Ans
- 1. नुकसान
  - 2. सट्टा
  - 3. फौज
  - 4. लाभ

Question ID : 54592777249

Q.7 आप कहाँ जा रहे थे ? इस वाक्य में 'आप' क्या है?

- Ans
- 1. निश्चयवाचक सर्वनाम
  - 2. पुरुषवाचक सर्वनाम
  - 3. निजवाचक सर्वनाम
  - 4. प्रश्नवाचक सर्वनाम

Question ID : 54592777247

Q.8 'सनातनी' का विलोम शब्द है-

- Ans
- 1. प्रगतिवादी
  - 2. नीरस
  - 3. तामसिक
  - 4. असामयिक

Question ID : 54592777252

Q.9 निम्नलिखित में से किस वाक्य में विराम-चिह्नों का प्रयोग गलत किया गया है?

- Ans
- 1. वाह ! तुम धन्य हो।
  - 2. सोनू, मोनू, गोलू और रानी घूमने गए।
  - 3. मैंने तुलसीदास जी का 'रामचरितमानस' पढ़ा है।
  - 4. आप सम्भवतः गुजरात, के निवासी है:

Question ID : 54592777260

Q.10 विशालकाय दैत्य दौड़ा। इसमें कौन-सा पद विशेषण है?

- Ans
- 1. विशालकाय
  - 2. दैत्य एवं दौड़ा
  - 3. दौड़ा
  - 4. दैत्य

Question ID : 54592777248

Q.11 मुहावरा 'भागते की लँगोटी होना' का अर्थ है-

- Ans
- 1. अनभिज्ञ को ज्ञान की बातें कहना
  - 2. जाती हुई वस्तु का कुछ प्राप्त होना
  - 3. छुटकारा मिलना
  - 4. एहसान न रखना

Question ID : 54592777257

Q.12 मिश्र वाक्यों में प्रधान वाक्य के साथ पार्थक्य प्रकट करने के लिए किस चिह्न का प्रयोग किया जाता है?

- Ans
- 1. अर्द्धविराम चिह्न
  - 2. प्रश्नवाचक चिह्न
  - 3. योजक विराम चिह्न
  - 4. विस्मयादिबोधक चिह्न

Question ID : 54592777258

Q.13 दिए गए विकल्पों में से पुल्लिंग शब्द का चयन कीजिए।

- Ans
- 1. छवि

2. ऋतु  
 3. कृपा  
 4. भालू

Question ID : 54592777256

Q.14 दिए गए वाक्य के लिए एक शब्द का चयन कीजिए।

'पृथ्वी को धारण करने वाला'

- Ans  1. देवमातृक  
 2. महीधर  
 3. शोण  
 4. प्रायोवाद

Question ID : 54592777250

Q.15 वाक्य प्रकार का चयन कीजिए।

'बुराई सदैव अच्छाई से पराजित होती आई है।'

- Ans  1. कर्मवाच्य  
 2. भाववाच्य  
 3. कर्तृवाच्य  
 4. विधिवाच्य

Question ID : 54592777255

**Comprehension:**

दिये गए गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों का उत्तर दीजिए।

कोई भी देश सामाजिक आर्थिक मोर्चे पर अग्रणी तभी दिख सकता है, जब वहां शिक्षा प्रणाली सभी वर्गों के लिए समान और सुलभकारी हो। अगर सामाजिक मसलों पर पिछड़ने के कारण तलाशें तो कहीं न कहीं विसंगतिपूर्ण शिक्षा प्रणाली महत्वपूर्ण कारण है।

आजादी के छह दशक बाद भी समान शिक्षा प्रणाली की अवधारणा भारतीय समाज के लिए सपना है। दुनिया के सर्वाधिक निरक्षर लोगों की आबादी में 35 फीसद भारत में है। एजूकेशन फॉर ऑल मॉनिटरिंग रिपोर्ट पर विश्वास करें तो दुनिया की सर्वाधिक निरक्षर आबादी के साथ भारत प्रगति कर रहा है। पर इस विद्रूप प्रगति का लाभ निरक्षरता हटाने में कितना लाभकारी सिद्ध होगा, यह आने वाला वक्त बताएगा।

संविधान के 86 में संशोधन अधिनियम 2002 द्वारा 21(A) जोड़ा गया, जो यह प्रावधान करता है कि राज्य विधि बनाकर 6 से 14 वर्ष के सभी बालकों के लिए निशुल्क शिक्षा अनिवार्य के लिए अपबंद करेगा। इस अधिकार को व्यवहारिक रूप देने के लिए संसद में निशुल्क एवं अनिवार्य शिक्षा अधिनियम 2009 पारित किया गया। जो 1 अप्रैल 2010 से लागू हुआ। इस अधिनियम में 7 अध्याय तथा 38 खण्ड हैं। इस अधिनियम के अंतर्गत 6-14 वर्ष के लगभग 22 करोड़ बच्चों में से 92 लाख (4.6 percent) बच्चे विद्यालय नहीं जा पाते हैं, जिनकी शिक्षा के लिए 1.71 लाख करोड़ रुपये की 5 वर्षों में आवश्यकता होती है। जिसमें से कुछ राशि वित्त आयोग राज्यों को देता है।

स्वर्गीय गोपाल कृष्ण गोखले ने 18 मार्च 1910 में ही भारत में "मुफ्त और अनिवार्य प्राथमिक शिक्षा" के प्रावधान के लिए ब्रिटिश विधान परिषद के समक्ष प्रस्ताव रखा था, जो निहित स्वार्थों के विरोध के चलते अंततः खारिज हो गया था।

SubQuestion No : 16

Q.16 उपरोक्त गद्यांश के अनुसार राज्य विधि बनाकर किस वर्ग के सभी बालकों के लिए निशुल्क शिक्षा अनिवार्य के लिए अपबंद करेगा।

- Ans  1. 14 से 18 वर्ष  
 2. 2 से 10 वर्ष  
 3. 9 से 16 वर्ष  
 4. 6 से 14 वर्ष

Question ID : 54592777263

**Comprehension:**

दिये गए गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों का उत्तर दीजिए।

कोई भी देश सामाजिक आर्थिक मोर्चे पर अग्रणी तभी दिख सकता है, जब वहां शिक्षा प्रणाली सभी वर्गों के लिए समान और सुलभकारी हो। अगर सामाजिक मसलों पर पिछड़ने के कारण तलाशें तो कहीं न कहीं विसंगतिपूर्ण शिक्षा प्रणाली

महत्वपूर्ण कारण है।

आजादी के छह दशक बाद भी समान शिक्षा प्रणाली की अवधारणा भारतीय समाज के लिए सपना है। दुनिया के सर्वाधिक निरक्षर लोगों की आबादी में 35 फीसद भारत में है। एजूकेशन फॉर ऑल मॉनिटरिंग रिपोर्ट पर विश्वास करें तो दुनिया की सर्वाधिक निरक्षर आबादी के साथ भारत प्रगति कर रहा है। पर इस विद्वप प्रगति का लाभ निरक्षरता हटाने में कितना लाभकारी सिद्ध होगा, यह आने वाला वक्त बताएगा।

संविधान के 86 में संशोधन अधिनियम 2002 द्वारा 21(A) जोड़ा गया, जो यह प्रावधान करता है कि राज्य विधि बनाकर 6 से 14 वर्ष के सभी बालकों के लिए निशुल्क शिक्षा अनिवार्य के लिए अपबंद करेगा। इस अधिकार को व्यवहारिक रूप देने के लिए संसद में निशुल्क एवं अनिवार्य शिक्षा अधिनियम 2009 पारित किया गया। जो 1 अप्रैल 2010 से लागू हुआ। इस अधिनियम में 7 अध्याय तथा 38 खण्ड हैं। इस अधिनियम के अंतर्गत 6-14 वर्ष के लगभग 22 करोड़ बच्चों में से 92 लाख (4.6 percent) बच्चे विद्यालय नहीं जा पाते हैं, जिनकी शिक्षा के लिए 1.71 लाख करोड़ रुपये की 5 वर्षों में आवश्यकता होती है। जिसमें से कुछ राशि वित्त आयोग राज्यों को देता है।

स्वर्गीय गोपाल कृष्ण गोखले ने 18 मार्च 1910 में ही भारत में "मुफ्त और अनिवार्य प्राथमिक शिक्षा" के प्रावधान के लिए ब्रिटिश विधान परिषद् के समक्ष प्रस्ताव रखा था, जो निहित स्वार्थों के विरोध के चलते अंततः खारिज हो गया था।

SubQuestion No : 17

Q.17 उपरोक्त गद्यांश का उचित शीर्षक है-

- Ans
- 1. भारत में अशिक्षित वर्ग
  - 2. शिक्षा के लाभ एवं हानि
  - 3. अनिवार्य शिक्षा अधिनियम एवं उसका महत्व
  - 4. एजूकेशन फॉर ऑल मॉनिटरिंग की रिपोर्ट

Question ID : 54592777264

Comprehension:

दिये गए गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों का उत्तर दीजिए।

कोई भी देश सामाजिक आर्थिक मोर्चे पर अग्रणी तभी दिख सकता है, जब वहां शिक्षा प्रणाली सभी वर्गों के लिए समान और सुलभकारी हो। अगर सामाजिक मसलों पर पिछड़ने के कारण तलाशें तो कहीं न कहीं विसंगतिपूर्ण शिक्षा प्रणाली महत्वपूर्ण कारण है।

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स्वर्गीय गोपाल कृष्ण गोखले ने 18 मार्च 1910 में ही भारत में "मुफ्त और अनिवार्य प्राथमिक शिक्षा" के प्रावधान के लिए ब्रिटिश विधान परिषद् के समक्ष प्रस्ताव रखा था, जो निहित स्वार्थों के विरोध के चलते अंततः खारिज हो गया था।

SubQuestion No : 18

Q.18 उपरोक्त गद्यांश के अनुसार भारत में "मुफ्त और अनिवार्य प्राथमिक शिक्षा" के प्रावधान के लिए ब्रिटिश विधान परिषद् के समक्ष प्रस्ताव किसने रखा था?

- Ans
- 1. जाकिर हुसैन
  - 2. इन्दिरा गाँधी
  - 3. गोपाल कृष्ण गोखले
  - 4. महात्मा गाँधी

Question ID : 54592777266

Comprehension:

दिये गए गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों का उत्तर दीजिए।

कोई भी देश सामाजिक आर्थिक मोर्चे पर अग्रणी तभी दिख सकता है, जब वहां शिक्षा प्रणाली सभी वर्गों के लिए समान और सुलभकारी हो। अगर सामाजिक मसलों पर पिछड़ने के कारण तलाशें तो कहीं न कहीं विसंगतिपूर्ण शिक्षा प्रणाली महत्वपूर्ण कारण है।

आजादी के छह दशक बाद भी समान शिक्षा प्रणाली की अवधारणा भारतीय समाज के लिए सपना है। दुनिया के सर्वाधिक निरक्षर लोगों की आबादी में 35 फीसद भारत में है। एजूकेशन फॉर ऑल मॉनिटरिंग रिपोर्ट पर विश्वास करें तो दुनिया की सर्वाधिक निरक्षर आबादी के साथ भारत प्रगति कर रहा है। पर इस विद्वप प्रगति का लाभ निरक्षरता हटाने में कितना लाभकारी सिद्ध होगा, यह आने वाला वक्त बताएगा।

संविधान के 86 में संशोधन अधिनियम 2002 द्वारा 21(A) जोड़ा गया, जो यह प्रावधान करता है कि राज्य विधि बनाकर 6 से 14 वर्ष के सभी बालकों के लिए निशुल्क शिक्षा अनिवार्य के लिए अपबंद करेगा। इस अधिकार को व्यवहारिक रूप देने के लिए संसद में निशुल्क एवं अनिवार्य शिक्षा अधिनियम 2009 पारित किया गया। जो 1 अप्रैल 2010 से लागू हुआ। इस अधिनियम में 7 अध्याय तथा 38 खण्ड हैं। इस अधिनियम के अंतर्गत 6-14 वर्ष के लगभग 22 करोड़ बच्चों में से 92

लाख (4.6 percent) बच्चे विद्यालय नहीं जा पाते हैं, जिनकी शिक्षा के लिए 1.71 लाख करोड़ रुपये की 5 वर्षों में आवश्यकता होती है। जिसमें से कुछ राशि वित्त आयोग राज्यों को देता है। स्वर्गीय गोपाल कृष्ण गोखले ने 18 मार्च 1910 में ही भारत में "मुफ्त और अनिवार्य प्राथमिक शिक्षा" के प्रावधान के लिए ब्रिटिश विधान परिषद् के समक्ष प्रस्ताव रखा था, जो निहित स्वार्थों के विरोध के चलते अंततः खारिज हो गया था।

SubQuestion No : 19

Q.19 उपरोक्त गद्यांश के अनुसार शिक्षा अधिनियम 2009, जो 1 अप्रैल 2010 से लागू हुआ। इसमें कितने अधिनियम एवं खण्ड हैं?

- Ans
- 1. 8 अध्याय तथा 28 खण्ड
  - 2. 17 अध्याय तथा 37 खण्ड
  - 3. 7 अध्याय तथा 38 खण्ड
  - 4. 5 अध्याय तथा 39 खण्ड

Question ID : 54592777265

Comprehension:

दिये गए गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों का उत्तर दीजिए।

कोई भी देश सामाजिक आर्थिक मोर्चे पर अग्रणी तभी दिख सकता है, जब वहां शिक्षा प्रणाली सभी वर्गों के लिए समान और सुलभकारी हो। अगर सामाजिक मसलों पर पिछड़ने के कारण तलाशें तो कहीं न कहीं विसंगतिपूर्ण शिक्षा प्रणाली महत्वपूर्ण कारण है।

आजादी के छह दशक बाद भी समान शिक्षा प्रणाली की अवधारणा भारतीय समाज के लिए सपना है। दुनिया के सर्वाधिक निरक्षर लोगों की आबादी में 35 फीसद भारत में है। एजूकेशन फॉर ऑल मॉनिटरिंग रिपोर्ट पर विश्वास करें तो दुनिया की सर्वाधिक निरक्षर आबादी के साथ भारत प्रगति कर रहा है। पर इस विद्रूप प्रगति का लाभ निरक्षरता हटाने में कितना लाभकारी सिद्ध होगा, यह आने वाला वक्त बताएगा।

संविधान के 86 में संशोधन अधिनियम 2002 द्वारा 21(A) जोड़ा गया, जो यह प्रावधान करता है कि राज्य विधि बनाकर 6 से 14 वर्ष के सभी बालकों के लिए निशुल्क शिक्षा अनिवार्य के लिए अपबंद करेगा। इस अधिकार को व्यवहारिक रूप देने के लिए संसद में निशुल्क एवं अनिवार्य शिक्षा अधिनियम 2009 पारित किया गया। जो 1 अप्रैल 2010 से लागू हुआ। इस अधिनियम में 7 अध्याय तथा 38 खण्ड हैं। इस अधिनियम के अंतर्गत 6-14 वर्ष के लगभग 22 करोड़ बच्चों में से 92 लाख (4.6 percent) बच्चे विद्यालय नहीं जा पाते हैं, जिनकी शिक्षा के लिए 1.71 लाख करोड़ रुपये की 5 वर्षों में आवश्यकता होती है। जिसमें से कुछ राशि वित्त आयोग राज्यों को देता है।

स्वर्गीय गोपाल कृष्ण गोखले ने 18 मार्च 1910 में ही भारत में "मुफ्त और अनिवार्य प्राथमिक शिक्षा" के प्रावधान के लिए ब्रिटिश विधान परिषद् के समक्ष प्रस्ताव रखा था, जो निहित स्वार्थों के विरोध के चलते अंततः खारिज हो गया था।

SubQuestion No : 20

Q.20 उपरोक्त गद्यांश के अनुसार विश्व के सर्वाधिक निरक्षर लोगों की आबादी में 35 फीसद किस देश में है?

- Ans
- 1. ब्रिटेन
  - 2. भारत
  - 3. अमेरिका
  - 4. श्रीलंका

Question ID : 54592777262

Section : Discipline1

Q.1 The density of steel ranges between:

- Ans
- 1. 4.6 and 5.3 g/cm<sup>3</sup>
  - 2. 2.5 and 2.8 g/cm<sup>3</sup>
  - 3. 5.5 and 6.2 g/cm<sup>3</sup>
  - 4. 7.8 and 7.9 g/cm<sup>3</sup>

Question ID : 54592777267

Q.2 Which of the following is NOT used as an additive in the manufacturing of bricks?

- Ans
- 1. Saw dust
  - 2. Basalt stone dust
  - 3. Sandy loam
  - 4. Rice husk ash

Question ID : 54592777271

Q.3 Specific surface (in  $\text{m}^2/\text{kg}$ ) of ordinary portland cement is NOT less than:

- Ans
- 1. 225
  - 2. 150
  - 3. 100
  - 4. 175

Question ID : 54592777273

Q.4 Which of the following is NOT related to hardening of lime?

- Ans
- 1. Hydrosilicate hardening
  - 2. Carbonate hardening
  - 3. Hydrate hardening
  - 4. Amino-sulphide hardening

Question ID : 54592777275

Q.5 Sodium absorption ratio of high sodium water lies between:

- Ans
- 1. 36 and 40
  - 2. 26 and 35
  - 3. 10 and 15
  - 4. 18 and 26

Question ID : 54592777279

Q.6 The specific gravity of silica fume is:

- Ans
- 1. 1.1
  - 2. 3.56
  - 3. 2.2
  - 4. 1.67

Question ID : 54592777276

Q.7 What should be the water absorption of second class bricks when compared to its dry weight when immersed in cold water for 24 hours?

- Ans
- 1. 21 - 25 percent
  - 2. 11 - 15 percent
  - 3. 5 - 10 percent
  - 4. 16 - 20 percent

Question ID : 54592777270

Q.8 The fineness modulus of medium sand ranges between:

- Ans
- 1. 3.20 and 3.56
  - 2. 2.60 and 2.90
  - 3. 1.10 and 1.60
  - 4. 1.70 and 2.16

Question ID : 54592777274

Q.9 Knots reduce the tensile strength of wood:

- Ans
- 1. across the grain
  - 2. tangential to the grain
  - 3. along the grain
  - 4. horizontal to grain

Question ID : 54592777272

Q.10 The property of a material to absorb water vapour from the air is known as:

- Ans
- 1. microscopcity
  - 2. hygroscopicity
  - 3. telescopicity
  - 4. macroscopicity

Question ID : 54592777268

Q.11 If barley requires about 7.5 cm of water after every 30 days, and the base period for barley is 120 days, then find the value of delta for barley.

- Ans
- 1. 20
  - 2. 40
  - 3. 10
  - 4. 30

Question ID : 54592777280

Q.12 The process of heating steel above the critical range and cooling rapidly in the air, but at a rate slower than the critical cooling rate is known as:

- Ans
- 1. tempering
  - 2. hardening
  - 3. annealing
  - 4. normalising

Question ID : 54592777278

Q.13 A pump is installed on a well to lift water and to irrigate rice crop sown over 6 hectares of land. If duty for rice is 1728 hectares/cumec on the field, then determine the weight of water lifted per second by the pump.

- Ans
- 1. 0.00134 kN/s
  - 2. 0.0341 kN/s
  - 3. 0.0134 kN/s
  - 4. 0.341 kN/s

Question ID : 54592777281

Q.14 Which of the following types of concrete is NOT based on cementing material?

- Ans
- 1. Cement concrete
  - 2. Lime concrete
  - 3. Precast concrete
  - 4. Gypsum concrete

Question ID : 54592777277

Q.15 Which of the following is NOT used for lining irrigation canals?

- Ans
- 1. Round boulder lining
  - 2. Brick lining
  - 3. Wooden plank lining
  - 4. Split boulder lining

Question ID : 54592777283

Q.16 What is the delta for a crop when its duty is 864 hectares/cumec on the field and the base period of the same crop is 140 days?

- Ans
- 1. 140 cm
  - 2. 130 cm
  - 3. 145 cm
  - 4. 135 cm

Question ID : 54592777286

Q.17 Which of the following is used to determine the hardness of a material?

- Ans
- 1. Part per million scale
  - 2. Mohs scale
  - 3. Lemniscate
  - 4. Mohrs scale

Question ID : 54592777269

Q.18 Which method of irrigation is preferred when land topography is irregular, gradient is steeper and soil is easily erodible?

- Ans
- 1. Flood irrigation
  - 2. Furrow irrigation
  - 3. Boarder irrigation
  - 4. Sprinkler irrigation

Question ID : 54592777284

Q.19 If wheat requires about 10 cm depth of water at an average interval of about 10 days, and the crop period for wheat is 130 days, then the delta for wheat is:

- Ans
- 1. 150 cm
  - 2. 130 cm
  - 3. 120 cm
  - 4. 140 cm

Question ID : 54592777285

Q.20 The average shear stress acting on the bed of the channel at which the sediment particle just begins to move is known as:

- Ans
- 1. critical tensile stress
  - 2. critical tractive stress
  - 3. shear stress
  - 4. viscous stress

Question ID : 54592777282

Section : Discipline2

Q.1 The gross commanded area for a distributary is 6000 hectares, 80 percent of which is culturable irrigable. If the intensity of irrigation for Rabi season is 50 percent, then the area to be irrigated in Rabi season is:

- Ans
- 1. 1600 hectares
  - 2. 2400 hectares
  - 3. 1400 hectares
  - 4. 2200 hectares

Question ID : 54592777287

Q.2 The mass of an empty jar is 0.8 kg. When completely filled with water, the mass of the same jar becomes 1.5 kg. An oven dried soil sample of mass 0.11 kg was placed in the jar and the water added to fill the jar and the mass found to be 1.6 kg. What is the specific gravity?

- Ans
- 1. 3.67
  - 2. 2.46
  - 3. 3.86
  - 4. 2.67

Question ID : 54592777296

Q.3 Quick sand condition refers to a condition where the head of water has reached a stage when the effective stress is:

- Ans
- 1. reduced below zero
  - 2. increased to infinity
  - 3. increased above zero
  - 4. reduced to zero

Question ID : 54592777302

Q.4 The radius of 1° curve is equal to:

- Ans
- 1. 5426.568 ft.
  - 2. 5729.578 ft.
  - 3. 6729.578 ft.
  - 4. 4729.578 ft.

Question ID : 54592777303

Q.5 The alcohol method is used to determine which property of soil?

- Ans
- 1. Dry density
  - 2. Bulk density
  - 3. Specific gravity
  - 4. Water content

Question ID : 54592777294

Q.6 The plasticity index is given by:

- Ans
- 1. liquid limit minus plastic limit
  - 2. shrinkage limit minus liquid limit
  - 3. plastic limit minus shrinkage limit
  - 4. plastic limit minus liquid limit

Question ID : 54592777295

Q.7 Which of the following is NOT a factor that affects compaction?

- Ans
- 1. Method of compaction
  - 2. Texture of soil
  - 3. Addition of admixtures
  - 4. Water content

Question ID : 54592777298

Q.8 Which of the following is the INCORRECT correction to be applied while determining the difference in elevation between two points, when the observations are from only one point?

- Ans
- 1. Axis signal correction
  - 2. Correction for sag
  - 3. Correction for curvature
  - 4. Correction for refraction

Question ID : 54592777304

Q.9 What is the permissible velocity for a boulder lining canal?

- Ans
- 1. 2.4 m/s
  - 2. 1.8 m/s
  - 3. 2.0 m/s
  - 4. 1.5 m/s

Question ID : 54592777289

Q.10 What is the capillary rise in soil with a void ratio of 0.5 and effective size of 0.01 mm with a constant  $C = 20 \text{ mm}^2$  which depends on grain and impurities of the material?

- Ans
- 1. 2.6 m
  - 2. 4.0 m
  - 3. 3.5 m
  - 4. 4.5 m

Question ID : 54592777301

Q.11 Hygroscopic water is also called:

- Ans
- 1. adsorbed water
  - 2. free water
  - 3. structural water
  - 4. held water

Question ID : 54592777300

Q.12 The conversion of a whole circle bearing  $170^\circ 30'$  into quadrantal bearing is:

- Ans
- 1. S  $10^\circ 30'$  E
  - 2. S  $9^\circ 30'$  E
  - 3. S  $11^\circ 30'$  E
  - 4. S  $12^\circ 30'$  E

Question ID : 54592777305

Q.13 The degree of compaction obtained in the field is measured by:

- Ans
- 1. optimum compaction
  - 2. relative compaction
  - 3. placement water content
  - 4. bulking of sand

Question ID : 54592777299

Q.14 Which of the following is a permanent adjustment for a surveyor's compass?

- Ans
- 1. Focus of the prism
  - 2. Adjustment for levels
  - 3. Adjustment of the bubble tube
  - 4. Centering

Question ID : 54592777306

Q.15 The ratio of the volume of water to the volume of voids is called:

- Ans
- 1. porosity
  - 2. void ratio
  - 3. degree of saturation
  - 4. water content

Question ID : 54592777293

Q.16 Soil deposits formed by wind are called:

- Ans
- 1. aeolian deposits
  - 2. gravity deposits
  - 3. glaciofluvial deposits
  - 4. alluvial deposits

Question ID : 54592777292

Q.17 By-passing the canal below the drainage is called:

- Ans
- 1. aqueduct
  - 2. super passage
  - 3. level crossing
  - 4. head regulator

Question ID : 54592777291

Q.18 A channel in which neither silting nor scouring takes place is known as a/an:

- Ans
- 1. non-regime channel
  - 2. scour channel
  - 3. economic channel
  - 4. regime channel

Question ID : 54592777288

Q.19 Which type of compaction equipment roller consists of a hollow cylindrical steel drum on which projecting feet are mounted?

- Ans
- 1. Sheep foot roller

- 2. Pneumatic tyre roller
- 3. Smooth wheel roller
- 4. Dropping weight type

Question ID : 54592777297

**Q.20** The rise in the maximum flood level upstream of the weir caused due to the construction of the weir across the river is called:

- Ans
- 1. afflux
  - 2. piezometric water level
  - 3. atmospheric water level
  - 4. pond level

Question ID : 54592777290

Section : Discipline3

**Q.1** Which of the following when mixed with lime gives black cement?

- Ans
- 1. Rice husk ash
  - 2. Fly ash
  - 3. Surkhi
  - 4. Silica fume

Question ID : 54592777326

**Q.2** Which of these is NOT used to conduct tests in order to determine the compressive strength?

- Ans
- 1. Sphere
  - 2. Cube
  - 3. Cylinder
  - 4. Prism

Question ID : 54592777319

**Q.3** A curve of varying radius introduced between a straight and a circular curve is called a:

- Ans
- 1. transition curve
  - 2. reverse curve
  - 3. simple curve
  - 4. compound curve

Question ID : 54592777309

**Q.4** Which of the following methods is NOT used to test the degree of fineness of cement?

- Ans
- 1. Tensiometer method
  - 2. Sieve method
  - 3. Wagner Turbidimeter method
  - 4. Air permeability method

Question ID : 54592777323

**Q.5** The length of a vertical curve is obtained by:

- Ans
- 1. Total change of grade – Rate of change of grade
  - 2. Total change of grade / Rate of change of grade
  - 3. Rate of change of grade / Total change of grade
  - 4. Total change of grade × Rate of change of grade

Question ID : 54592777310

Q.6 The ruling principle of a plane or geodetic surveying is to work from:

- Ans
- 1. summation to division
  - 2. ranging to levelling
  - 3. whole to part
  - 4. part to whole

Question ID : 54592777316

Q.7 The pH value of water used in making concrete should be in the range of:

- Ans
- 1. 43624
  - 2. 43561
  - 3. 43687
  - 4. 43783

Question ID : 54592777325

Q.8 The measured length of a village road with a 20 m chain was found to be 250 m. What is the true length of the road if the chain length was 20 cm too long?

- Ans
- 1. 255.5 m
  - 2. 249.8 m
  - 3. 252.5 m
  - 4. 245.5 m

Question ID : 54592777313

Q.9 Which of the following is NOT a traverse survey?

- Ans
- 1. Chain and compass survey
  - 2. Chain survey
  - 3. Plane table survey
  - 4. Tacheometric survey

Question ID : 54592777312

Q.10 Which of the following methods is NOT a linear method of setting out simple circular curves?

- Ans
- 1. By moving average of arc radius
  - 2. By offsets from tangents
  - 3. By ordinate or offsets from the long chord
  - 4. By successive bisection of arcs

Question ID : 54592777308

Q.11 Which of the following is NOT a characteristic of a good brick?

- Ans
- 1. Texture and compactness
  - 2. Water absorption

- 3. Size and shape
- 4. Chemical constituents

Question ID : 54592777321

Q.12 What is the back bearing of a line AB when the observed fore bearing of the same line AB is  $266^{\circ}30'$ ?

- Ans
- 1.  $93^{\circ}50'$
  - 2.  $99^{\circ}50'$
  - 3.  $176^{\circ}30'$
  - 4.  $86^{\circ}30'$

Question ID : 54592777311

Q.13 Which of the following durability tests of stone is prescribed by the Bureau of Indian Standards?

- Ans
- 1. Smith test
  - 2. Crystallisation test
  - 3. Brard's test
  - 4. Acid test

Question ID : 54592777322

Q.14 Which type of levelling is to be used when it is necessary to carry levelling across a river?

- Ans
- 1. Reciprocal levelling
  - 2. Profile levelling
  - 3. Precise levelling
  - 4. Differential Levelling

Question ID : 54592777314

Q.15 The density of brick in  $\text{g/cm}^3$  is:

- Ans
- 1. 1.5 - 1.8
  - 2. 1.8 - 2.5
  - 3. 3.0 - 3.5
  - 4. 2.5 - 2.8

Question ID : 54592777317

Q.16 The omitting error of a line lies in the South-West quadrant having a length 'l' and reduced bearing  $\theta$ . The latitude 'L' and departure 'D' are computed by:

- Ans
- 1.  $L = l \sin \theta$  and  $D = -l \cos \theta$
  - 2.  $L = l \cos \theta$  and  $D = l \sin \theta$
  - 3.  $L = -l \cos \theta$  and  $D = l \sin \theta$
  - 4.  $L = -l \cos \theta$  and  $D = -l \sin \theta$

Question ID : 54592777315

Q.17 What should be the water absorption of first class bricks when compared to its dry weight when immersed in cold water for 24 hours?

- Ans
- 1. 5 percent - 10 percent
  - 2. 25 percent - 30 percent

3. 15 percent - 25 percent
4. 12 percent - 15 percent

Question ID : 54592777320

Q.18 The temperature at which specific gravity is calculated is:

- Ans  1. 4 °C
2. 2 °C
3. 8 °C
4. 6 °C

Question ID : 54592777318

Q.19 Which of the following statements is INCORRECT with respect to the fineness modulus of aggregates?

- Ans  1. Higher fineness modulus aggregate results in harsh concrete mixes
2. It gives some idea about the mean size of the particles in the aggregates
3. Lower fineness modulus aggregates results in uneconomical concrete mixes
4. The fineness modulus varies between 2.0 and 3.5 for coarse aggregates

Question ID : 54592777324

Q.20 The process of turning the telescope in horizontal plane is called:

- Ans  1. ranging
2. centering
3. transiting
4. swinging

Question ID : 54592777307

Section : Discipline4

Q.1 The mass of the solids per unit total volume refers to is defined as:

- Ans  1. Saturated mass density
2. Dry mass density
3. Submerged mass density
4. Bulk mass density

Question ID : 54592777344

Q.2 Which of the following is NOT a hard surface lining?

- Ans  1. Asphaltic concrete lining
2. Soil cement lining
3. Brick lining
4. Boulder lining

Question ID : 54592777333

Q.3 The smallest water content at which the soil is saturated, is indicated by:

- Ans  1. plasticity index
2. plastic limit

- 3. liquid limit
- 4. shrinkage limit

Question ID : 54592777346

Q.4 Which of the following statements is INCORRECT with respect to shrinkage of concrete?

- Ans
- 1. Shrinkage of concrete increases with high w/c ratio and high cement content.
  - 2. The rate of shrinkage decreases with time.
  - 3. The rate of shrinkage increases with time.
  - 4. Shrinkage occurs in the absence of load.

Question ID : 54592777327

Q.5 What should be the time limit within which the cement mortar has to be consumed from the instant of adding water to the mix?

- Ans
- 1. 10 minutes
  - 2. 60 minutes
  - 3. 30 minutes
  - 4. 20 minutes

Question ID : 54592777328

Q.6 In an irrigated command area, 'residential area' is a part of which of the following?

- Ans
- 1. Culturable command area
  - 2. Gross command area
  - 3. Net irrigated area
  - 4. Gross irrigated area

Question ID : 54592777335

Q.7 Which of the following is NOT a purpose of providing canal lining?

- Ans
- 1. Increase groundwater recharge
  - 2. Improve conveying efficiency
  - 3. Increase channel capacity
  - 4. Seepage control

Question ID : 54592777340

Q.8 Which of the following soils has a high content of iron oxide and looks red or pink in colour?

- Ans
- 1. Hydration
  - 2. Chemical decomposition
  - 3. Oxidation
  - 4. Physical disintegration

Question ID : 54592777343

Q.9 In which type of canal fall, is the water gradually led down by providing convex and concave curves?

- Ans
- 1. Cylinder fall
  - 2. Ogee fall
  - 3. Trapezoidal notch fall
  - 4. Rapid fall

Question ID : 54592777342

Q.10 Which of the following is NOT used as raw material in the manufacture of glass?

- Ans
- 1. Wood
  - 2. Soda
  - 3. Lime
  - 4. Sand

Question ID : 54592777329

Q.11 Alkaline soils are best reclaimed by:

- Ans
- 1. providing good drainage
  - 2. leaching
  - 3. addition of gypsum to soil and leaching
  - 4. addition of gypsum to soil

Question ID : 54592777337

Q.12 A hydraulic structure is constructed when the Full Supply Level (FSL) of a canal is much higher than the High Flood Level (HFL) of the stream which in turn, is lower than the bottom of the canal trough is called:

- Ans
- 1. level crossing
  - 2. inlets
  - 3. super passage
  - 4. aqueduct

Question ID : 54592777339

Q.13 Particle size analysis can be done using:

- Ans
- 1. Pycnometer
  - 2. Hydrometer
  - 3. One point method
  - 4. Sedimentometer

Question ID : 54592777345

Q.14 The hydraulic structure which controls the supply to an off-taking channel from the parent channel is:

- Ans
- 1. distributary head regulator
  - 2. canal fall
  - 3. cross regulator
  - 4. canal escape

Question ID : 54592777338

Q.15 Which of the following is non-recording rain gauge?

- Ans
- 1. Weighing type rain gauge
  - 2. Tipping bucket rain gauge
  - 3. Simon's rain gauge
  - 4. Float type rain gauge

Question ID : 54592777334

Q.16 Under the Warabandi system, the distributaries are operated at full capacities, usually on:

- Ans
- 1. seven-day periods
  - 2. six-day periods
  - 3. nine-day periods
  - 4. eight-day periods

Question ID : 54592777336

Q.17 Even for the most tolerant crops, boron concentration should NOT exceed:

- Ans
- 1. 4 ppm
  - 2. 10 ppm
  - 3. 6 ppm
  - 4. 15 ppm

Question ID : 54592777330

Q.18 The maximum permissible velocity of unreinforced cement concrete lining channel is:

- Ans
- 1. 1.5 m/s
  - 2. 3.5 m/s
  - 3. 2.4 m/s
  - 4. 1.8 m/s

Question ID : 54592777341

Q.19 The gross commanded area for a distributary is 8000 hectares, 60 percent of which is culturable irrigable. The intensity of irrigation for Rabi season is 60 percent and the corresponding average duty at the head of the distributary is 2000 hectares/cumec, find the discharge required at the head of the distributary from average demand considerations.

- Ans
- 1. 3.45 cumec
  - 2. 1.44 cumec
  - 3. 2.45 cumec
  - 4. 1.11 cumec

Question ID : 54592777331

Q.20 The state of a channel in which the flow is such that silting and scouring need NO special attention is known as:

- Ans
- 1. most economical channel
  - 2. regime channel
  - 3. maximum discharge channel
  - 4. silt free channel

Question ID : 54592777332

Section : Discipline5

Q.1 Alcohol method is used to find which type of soil property?

- Ans
- 1. Bulk density
  - 2. Specific gravity
  - 3. Dry density

4. Water content

Question ID : 54592777354

Q.2 Which of the following methods is NOT commonly used in setting out circular curves?

- Ans
- 1. Tacheometric method
  - 2. Two theodolite method
  - 3. Plane table method
  - 4. Rankine's method of tangential angle

Question ID : 54592777361

Q.3 Which of the following is NOT a temporary adjustment in a prismatic compass?

- Ans
- 1. Centring
  - 2. Adjustment for sight vane
  - 3. Levelling
  - 4. Focus of the prism

Question ID : 54592777359

Q.4 The process of turning the telescope in vertical plane through  $180^\circ$  about the turnion axis is called:

- Ans
- 1. ranging
  - 2. swinging
  - 3. centring
  - 4. transiting

Question ID : 54592777360

Q.5 In triangulation, the best shape of the triangle is \_\_\_\_\_ triangle with base angle equal to \_\_\_\_\_.

- Ans
- 1. isosceles,  $56^\circ 14'$
  - 2. equilateral,  $56^\circ 14'$
  - 3. obtuse triangle,  $120^\circ$
  - 4. isosceles,  $50^\circ 14'$

Question ID : 54592777358

Q.6 A curve which consists of two circular arcs of same and different radii having their centres to the different sides of the common tangent is called:

- Ans
- 1. reverse curve
  - 2. differential curve
  - 3. compound curve
  - 4. simple curve

Question ID : 54592777357

Q.7 A soil sample has a with liquid limit = 45 percent, plastic limit = 25 percent, and shrinkage limit = 15 percent, for natural water content of 30 percent, the consistency index will be:

- Ans
- 1. 40 percent
  - 2. 75 percent
  - 3. 85 percent
  - 4. 60 percent

Question ID : 54592777350

Q.8 Select the INCORRECT statement in case of transition curves.

- Ans
- 1. It should be tangential to the straight
  - 2. Its curvature should be zero at origin on straight
  - 3. The curvature at the junction with the circular curve should be less than that of circular curve
  - 4. It should meet the circular curve tangentially

Question ID : 54592777362

Q.9 Which of the following is defined as the ratio of expressed as percentage field dry density to the maximum density obtained in a laboratory compaction test?

- Ans
- 1. Optimum compaction
  - 2. Placement water content
  - 3. Relative compaction
  - 4. Bulking of sand

Question ID : 54592777351

Q.10 Checks in closed traverse by deflection angles, the algebraic sum of the deflection angles should be equal to:

- Ans
- 1.  $360^\circ$
  - 2.  $270^\circ$
  - 3.  $90^\circ$
  - 4.  $180^\circ$

Question ID : 54592777365

Q.11 If the water content of a soil sample is 25.5 percent, the specific gravity is 2.70, and dry density is  $1500\text{kg/m}^3$ , then the degree of saturation is equal to:

- Ans
- 1. 86.06 percent
  - 2. 80.56 percent
  - 3. 89.56 percent
  - 4. 82.51 percent

Question ID : 54592777349

Q.12 According to IS classification system, soils are classified into:

- Ans
- 1. 15 groups
  - 2. 12 groups
  - 3. 18 groups
  - 4. 7 groups

Question ID : 54592777348

Q.13 Which of the following is NOT a source of error in theodolite work?

- Ans
- 1. Personal error
  - 2. Instrumental error
  - 3. Natural error
  - 4. Temperature error

Question ID : 54592777364

Q.14 The process of determining the differences of elevations of stations from observed vertical angles and known distances is called:

- Ans
- 1. dumpy levelling
  - 2. plain table levelling
  - 3. trigonometric levelling
  - 4. reciprocal levelling

Question ID : 54592777363

Q.15 Which of the following types of soil has a high content of iron oxide and looks red or pink in colour?

- Ans
- 1. Kankar soil
  - 2. Laterite soils
  - 3. Calcareous soils
  - 4. Bentonite soils

Question ID : 54592777353

Q.16 The mass of an empty jar was 0.8 kg. When completely filled with water, the mass was 1.5 kg. An oven dried soil sample of mass 0.11 kg was placed in the jar, the water added to fill the jar and the mass found to be 1.6 kg, what is the specific gravity?

- Ans
- 1. 3.86
  - 2. 2.46
  - 3. 3.67
  - 4. 2.67

Question ID : 54592777355

Q.17 Which of the following is NOT a method of estimating building works?

- Ans
- 1. Centre line method
  - 2. Midpoint method
  - 3. Crossing method
  - 4. Long and short wall method

Question ID : 54592777356

Q.18 Soils deposits formed by wind transport wind are called:

- Ans
- 1. aeolian deposit
  - 2. alluvial deposit
  - 3. glaciofluvial deposit
  - 4. gravity deposit

Question ID : 54592777352

Q.19 Which of the following soil classifications was developed by Casagrande?

- Ans
- 1. Unified Soil Classification System
  - 2. MIT classification
  - 3. Textural classification
  - 4. AASHTO classification system

Question ID : 54592777347

Q.20 Which of the following is a permanent adjustment of dumpy level?

- Ans
- 1. Levelling up
  - 2. Setting up the level
  - 3. Axis of the level tube is perpendicular to the vertical axis
  - 4. Elimination of parallax

Question ID : 54592777366

