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| <b>Exam date</b> | 4/11/ 2019 |
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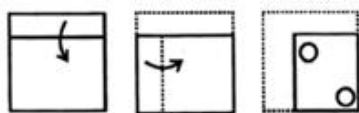
Q.1 In the following question, correct the equation by interchanging two signs.

$$24 + 6 \div 3 \times 11 - 12 = 14$$

- Ans
- 1.  $\div$  and  $+$
  - 2.  $\div$  and  $\times$
  - 3.  $-$  and  $\times$
  - 4.  $-$  and  $+$

Question ID : 54592773338

Q.2 If a square sheet of paper is folded two times from the centre and cuts are made as shown in the question figure how will it appear when it is opened?



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

Question ID : 54592773345

Q.3 If  $5 @ 6 = 1331$  and  $3 @ 4 = 343$ , then  $4 @ 5 =$

- Ans
- 1. 729
  - 2. 512

3. 2197

4. 1000

Question ID : 54592773340

Q.4 If 'STAGE' is coded as 'TUBHF', 'STRANGER' will be coded as '\_\_\_\_\_'.  
 Ans  1. TUBSOHFS

2. TUSOBHFS

3. TUBOFSHS

4. TUSBOHFS

Question ID : 54592773332

Q.5 There are five houses ABCDO in a row. A is right side of B and left side of C. O is the right side of A, B is right of D. Which house is in the middle?  
 Ans  1. B

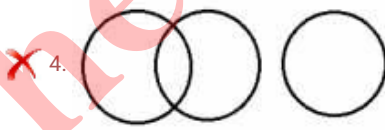
2. A

3. D

4. O

Question ID : 54592773333

Q.6 Which one of the following figures represents the relationship among Musical instrument, guitar, and Singer?  
 Ans  1.



Question ID : 54592773342

Q.7 The statements below are followed by two conclusions labeled I and II. Assuming that the information in the statements is true, even if it appears to be at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statements.

Statements:

Some tents are houses.

All houses are buildings.

Some buildings are huts.

Conclusions:

- I. Some huts are houses.  
 II. Some buildings are huts.

- Ans  1. Only conclusion I follows  
 2. Either conclusion I or II follows  
 3. Neither conclusion I nor II follows  
 4. Only conclusion II follows

Question ID : 54592773334

Q.8 In the following question, select the related number from the given alternatives.

649 : 361 :: 768 : ?

- Ans  1. 441  
 2. 283  
 3. 336  
 4. 416

Question ID : 54592773336

Q.9 Solve the alphanumeric series given below:

A2I, E4J, I8K, O16L,?

- Ans  1. U32L  
 2. U32M  
 3. U16N  
 4. U18N

Question ID : 54592773327

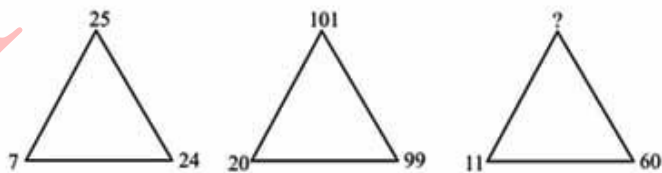
Q.10 In the following question, select the related group of letters from the given alternatives.

NUMBER: UNBMRE :: GHOST : ?

- Ans  1. HOGTS  
 2. HGOST  
 3. OGTST  
 4. HGSOT

Question ID : 54592773330

Q.11 Which one will replace the question mark (?) ?



- Ans  1. 61  
 2. 44

3. 75

4. 93

Question ID : 54592773339

Q.12 Find the odd one out from the given alternatives.

Ans  1. August

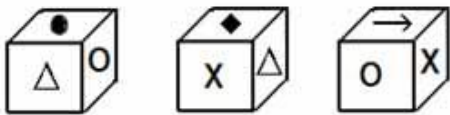
2. June

3. September

4. April

Question ID : 54592773329

Q.13 Three position of a same dice are shown below. Find which symbol will come opposite to the arrow symbol?



Ans

1.

2.

3.

4.

Question ID : 54592773346

Q.14 'If 'navy' is called 'tree', 'tree' is called 'flag', 'flag' is called 'oil', 'oil' is called 'hair', 'hair' is called 'yellow' and 'yellow' is called 'pink', then what is colour of 'turmeric'.

Ans  1. White

2. Cannot be determined

3. Pink

4. Yellow

Question ID : 54592773331

Q.15 Choose the appropriate combination of signs to solve the following expression.

$$16 * 8 * 1 * 8$$

Ans  1.  $\div - =$

2.  $= - \div$

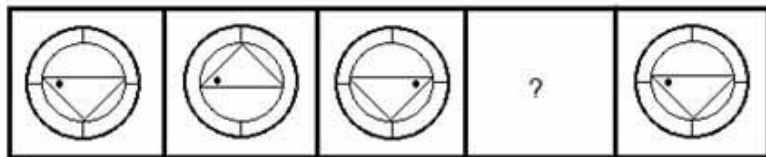
3.  $- \div =$

4.  $\div = -$

Question ID : 54592773337

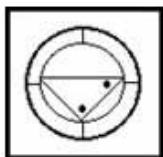
Q.16 Find the missing figure in the series from the given answer figures.

Question figure:

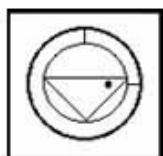


Ans

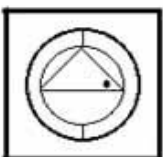
1.



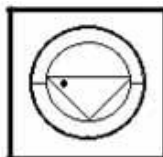
2.



3.



4.



Question ID : 54592773343

Q.17 In the following question, select the missing number from the given series.

7, 21, 42, 63, 84, ?

Ans  1. 126

2. 588

3. 105

4. 168

Question ID : 54592773335

Q.18 Players, father and mother can be represented by:

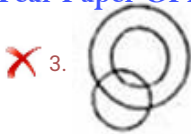
Ans

1.



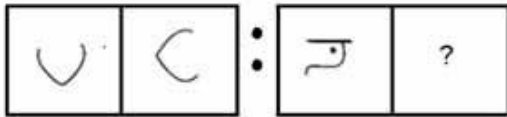
2.



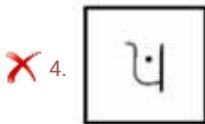
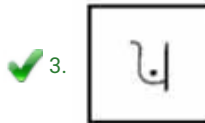
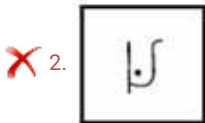


Question ID : 54592773341

Q.19 In the given question, the first and second figure of the question figures has certain relation between them and same relation exists between the third figure and the missing figure. Find the figure-



Ans



Question ID : 54592773344

Q.20 In the following question, select the odd letters from the given alternatives.

Ans  1. NHGE

2. JEDB

3. TJIG

4. XLKI

Question ID : 54592773328

Section : General Awareness

Q.1 Where were the Winter Paralympics games 2018 held?

Ans  1. Sochi

2. PyeongChang

3. Nagano

4. Vancouver

Question ID : 54592773366

Q.2 In which state of India the 'Chitra-Vichitra' fair is held?

Ans  1. Madhya Pradesh

2. Tripura

3. Maharashtra

4. Gujarat

Question ID : 54592773349

Q.3 किसने एक आक्रामक दलील दी कि हिंदी को संविधान-निर्माण की भाषा के रूप में इस्तेमाल किया जाए?

Ans  1. एन.जी. रंगा

2. सोमनाथ लाहिड़ी

3. बी.पॉकर बहादुर

4. आर. वी. धुलेकर

Question ID : 54592773364

Q.4 Which article of Indian Constitution is about Establishment and constitution of Supreme Court?

Ans  1. Article 134

2. Article 112

3. Article 124

4. Article 128

Question ID : 54592773362

Q.5 The intervention of the government whether to expand demand or reduce it constitutes the \_\_\_\_\_.

Ans  1. Stabilization function

2. Balanced budget

3. Redistribution function

4. Non-plan Revenue Expenditure

Question ID : 54592773351

Q.6 In which of the following do Methanogens play an important role?

Ans  1. In sewage treatments

2. Production of Biogas

3. As Bio-control agents

4. As Antibiotics

Question ID : 54592773353

Q.7 Where is the cheque number written on a bank cheque?

- Ans
- 1. Top right
  - 2. Top left
  - 3. Bottom left
  - 4. Bottom right

Question ID : 54592773350

Q.8 भारतीय संविधान की कानून बनाने की प्रक्रिया किस देश के संविधान से ली गई है?

- Ans
- 1. संयुक्त राज्य का संविधान
  - 2. कनाडाई संविधान
  - 3. आयरिश संविधान
  - 4. ब्रिटिश संविधान

Question ID : 54592773363

Q.9 The middle layer in soil profile is known as \_\_\_\_\_.

- Ans
- 1. A-horizon
  - 2. Bedrock
  - 3. C-horizon
  - 4. B-horizon

Question ID : 54592773354

Q.10 What is the near point for a young adult with normal vision?

- Ans
- 1. 25 cm
  - 2. 30 cm
  - 3. 10 cm
  - 4. 15 cm

Question ID : 54592773352

Q.11 In which year the government of India passed Wild Life (Protection) Act?

- Ans
- 1. 1961
  - 2. 1981
  - 3. 1972
  - 4. 1998

Question ID : 54592773356

Q.12 Shankara, one of the most influential philosophers of India was born in which of the following Indian State?

- Ans
- 1. West Bengal
  - 2. Andhra Pradesh
  - 3. Tamil Nadu
  - 4. Kerala



Question ID : 54592773358

Q.13 Yampuri is a traditional puppet show of which of the following Indian State?

- Ans
- 1. West Bengal
  - 2. Bihar
  - 3. Karnataka
  - 4. Rajasthan

Question ID : 54592773348

Q.14 Khurram was son of which of the following Mughal emperor?

- Ans
- 1. Humayun
  - 2. Akbar
  - 3. Jehangir
  - 4. Babar

Question ID : 54592773357

Q.15 कुतुब मीनार की नींव किसने रखी?

- Ans
- 1. रजिया सुल्तान
  - 2. अराम शाह
  - 3. कुतुब-उद-दीन ऐबक
  - 4. चंगेज खान

Question ID : 54592773347

Q.16 निम्नलिखित में से कौन-सा शब्द पृथ्वी के आकार का वर्णन करता है?

- Ans
- 1. समलंब
  - 2. भू-आभ
  - 3. टोरस
  - 4. लंबा

Question ID : 54592773355

Q.17 Who is the writer of the book 'Shades of Truth'?

- Ans
- 1. Shashi Tharoor
  - 2. Naseeruddin Shah
  - 3. Kapil Sibal
  - 4. Ratan Tata

Question ID : 54592773361

Q.18 निम्नलिखित में से कौन-सा पुरस्कार एशिया का सर्वोच्च सम्मान है?

- Ans
- 1. नोबेल पुरस्कार
  - 2. दादा साहेब फाल्के पुरस्कार

3. रेमम मेगसेसे पुरस्कार

4. अंतर्राष्ट्रीय गांधी शांति पुरस्कार

Question ID : 54592773360

Q.19 Who among the following is associated with Shooting?

Ans  1. Mihir Sen

2. Vikas Krishna Yadav

3. Rajyavardhan Singh Rathore

4. Mahesh Bhupathi

Question ID : 54592773365

Q.20 In which year Sati practice was banned?

Ans  1. 1838

2. 1779

3. 1819

4. 1829

Question ID : 54592773359

Section : Arithmetic Ability

Q.1 The fractions  $\frac{1}{3}$ ,  $\frac{4}{7}$  and  $\frac{2}{5}$  written in ascending order given by:

Ans  1.  $\frac{2}{5} < \frac{4}{7} < \frac{1}{3}$

2.  $\frac{4}{7} < \frac{1}{3} < \frac{2}{5}$

3.  $\frac{1}{3} < \frac{4}{7} < \frac{2}{5}$

4.  $\frac{1}{3} < \frac{2}{5} < \frac{4}{7}$

Question ID : 54592773367

Q.2 A basketball team played 120 matches in a year & won  $62\frac{1}{2}\%$  of the matches. Next year it wins some matches continuously. It wins % changes to 90%. Find the number of matches team won continuously.

Ans  1. 320

2. 750

3. 330

4. 350

Question ID : 54592773374

Number of trees planted by two different NGO's in three different years in two different states.

| NGO  | P       |         | T       |         |
|------|---------|---------|---------|---------|
|      | State A | State B | State A | State B |
| 2006 | 2160    | 540     | 720     | 470     |
| 2007 | 1350    | 880     | 740     | 820     |
| 2008 | 1240    | 960     | 560     | 420     |

What was the respective ratio between the number of trees planted by NGO-'P' in the year 2006 in state-A and the number of trees planted by NGO-T in the year 2008 in state-B?

- Ans
- 1. 36 : 7
  - 2. 36 : 11
  - 3. 11 : 7
  - 4. 14 : 9

Question ID : 54592773385

Q.4 Find the value of  $(9^3 \times 5^3)^2 \div (15^2 \times 3^2)^3$

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

Question ID : 54592773369

Q.5 7 kg of pulse costing Rs.280 per kg is mixed with 9kg of pulse costing Rs.240 per kg. The average price per kg of the mixed pulse is:

- Ans
- 1. Rs.267.50
  - 2. Rs.258.50
  - 3. Rs.267.20
  - 4. Rs.257.50

Question ID : 54592773370

Q.6 Study the following graph carefully to answer the question. Production (in thousands) by two company over the years



What is the respective ratio of total production by B in the years 2012 and 2014 together to the total production by C in those two years together?

- Ans
- 1. 6 : 7
  - 2. 5 : 7
  - 3. 14 : 15
  - 4. 7 : 8

Question ID : 54592773386

Q.7 A is five times of B. The percent that B is less than A is:

- Ans
- 1.  $83\frac{1}{3}$  Percent
  - 2. 75 Percent
  - 3. 80 Percent
  - 4. 85 Percent

Question ID : 54592773372

Q.8 In a swimming pool measuring 90 m × 40m, 150 men take a dip. If the average displacement of water by a man is 8 cubic meters, what will be rise in water level?

- Ans
- 1. 33.33 cm
  - 2. 30 cm
  - 3. 50 cm
  - 4. 16.66 cm

Question ID : 54592773383

Q.9 A circular aluminium wire of radius 28 cm is bent to form a square, find out the ratio of areas of the square to that of the circle:

- Ans
- 1. 21:28
  - 2. 11:14
  - 3. 20:21
  - 4. 14:15

Question ID : 54592773377

Q.10 A Bus covered a distance of 780 km in 12 hours. What distance would a car cover in 11 hours travelling at a speed which is 7 kmph more than that of the Bus?

- Ans
- 1. 650 km
  - 2. 735 km
  - 3. 792 km
  - 4. 782 km

Question ID : 54592773380

Q.11 The price of wheat has increased by 60 Percent. In order to restore the original price, the new price must be reduced by:

- Ans
- 1. 40 Percent

2. 45 Percent

3.  $33\frac{1}{3}$  Percent

4.  $37\frac{1}{2}$  Percent

Question ID : 54592773373

Q.12 A sum becomes Rs. 45,000 after two years and Rs. 67,500 after four years at the same compound interest. The sum is:

Ans  1. Rs. 32,500

2. Rs. 33,000

3. Rs. 45,000

4. Rs. 30,000

Question ID : 54592773379

Q.13 A cube whose edge is 20 cm long has circle on each of its faces painted black. What is the total area of the unpainted surface of the cube if the circles are of the largest area possible?

Ans  1. 480 sq.cm.

2. 531.33 sq.cm.

3. 514.28 sq.cm.

4. 457.14 sq.cm.

Question ID : 54592773384

Q.14 Working 5 hours a day, A can complete a piece of work in 8 days and working 6 hours a day, B can complete the same work in 10 days. Working 8 hours a day, they both can complete the work in:

Ans  1. 4.5 days

2. 5 days

3. 3 days

4. 4 days

Question ID : 54592773381

Q.15 An article was sold at 16 Percent gain. Had it been sold for Rs.200 more, the gain would have been 20 Percent. Then the cost price of the article is:

Ans  1. Rs.4800

2. Rs.5000

3. Rs.4500

4. Rs.5200

Question ID : 54592773375

Q.16 While finding the average of 10 given numbers, a student by mistake wrote 62 in place of a number 26 and got his average 50. The correct average of the given numbers is:

Ans  1. 46.4

2. 49.3

3. 49:1

4. 48.5

Question ID : 54592773371

Q.17 If  $\frac{2}{3}$ rd of A is  $\frac{4}{5}$ th of B, then A : B =?

Ans  1. 6 : 5

2. 7 : 8

3. 10 : 9

4. 12 : 11

Question ID : 54592773376

Q.18 If  $P = 2^3 \times 3^{10} \times 5$ ;  $Q = 2^5 \times 3 \times 7$  then HCF of P and Q is:

Ans  1. 24

2. 210

3. 120

4. 48

Question ID : 54592773368

Q.19 A and B can do a piece of work in 10 days and 25 days, respectively. If A and B work together for 4 days, how much work will be left?

Ans  1.  $\frac{1}{2}$

2.  $\frac{11}{25}$

3.  $\frac{22}{75}$

4.  $\frac{14}{25}$

Question ID : 54592773382

Q.20 My father distributed Rs.280 in such a way that each girl received Rs.20 and each boy Rs.10. If the number of boys is less than that of girls by 2, find the number of girls.

Ans  1. 15

2. 10

3. 8

4. 7

Question ID : 54592773378

Section : General English

Q.1 Choose a word that can be replaced for the given sentence.

A place where government or public records are kept.

Ans  1. Archive

2. Arsenal

3. Cloak room

4. Dormitory

Question ID : 54592773400

Q.2 Out of the given four words only one is spelt correctly. Find the word that is correctly spelt.

Ans  1. Admiration

2. Apriciation

3. Acknowledge

4. Assential

Question ID : 54592773397

Q.3 Out of the given options which best expresses the meaning of the given proverb?

'Make hay while the sun shines'.

Ans  1. If you have an opportunity, you need not worry for future

2. If you have an opportunity to do something, do it before the opportunity expires

3. Finish all the agricultural work during day time

4. It is only the lucky people who get good opportunities

Question ID : 54592773399

Q.4 Read each part of the given sentence to find out whether there is any grammatical error in it. The error, if any will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is 'D'.

Ans  1. but there is no reply

2. No Error

3. We thought they would have got home by five o'clock,

4. when we phoned.

Question ID : 54592773387

Q.5 A sentence with an underlined word is given below. Find the Word which is most similar in meaning to the underlined word.

I was hoping she might show a little compassion.

Ans  1. pity

2. need

3. hatred

4. anger

Question ID : 54592773393

Q.6 In the given question, a part of the sentence is printed in bold. Choose the correct alternative.

Jesus Christ were said to have perform miracles like turning water into wine.

- Ans
- 1. is said to have perform miracles
  - 2. No Improvement
  - 3. was said to have perform miracles
  - 4. was said to have performed miracles

Question ID : 54592773389

Q.7 In the given question, a part of the sentence is printed in bold. Choose the correct alternative.

He found barely anything to eat, did he?

- Ans
- 1. No Improvement
  - 2. hasn't he?
  - 3. didn't he?
  - 4. wasn't he?

Question ID : 54592773390

Q.8 In the following question, find out the correctly spelt word.

- Ans
- 1. Bougainvillea
  - 2. Bogainvilla
  - 3. Bougainvilea
  - 4. Bougainvilla

Question ID : 54592773396

Q.9 Out of the given four sentences, choose the one which is grammatically correct.

- Ans
- 1. He have forgave me for all my mistakes
  - 2. He has forgave me for all my mistakes
  - 3. He have forgiven me for all my mistakes
  - 4. He has forgiven me for all my mistakes

Question ID : 54592773388

Q.10 Out of the given four words one is spelt incorrectly. Find the word that is incorrectly spelt.

- Ans
- 1. Colleague
  - 2. Portuguese
  - 3. Pharaoh
  - 4. Chauffeur

Question ID : 54592773395

Q.11 What is the meaning of the idiom 'Let the cat out of the bag'?

- Ans
- 1. To share information that was previously concealed
  - 2. To keep a cat out instead of keeping it in a cage
  - 3. To hide the information
  - 4. To put a cover or lid on something



Question ID : 54592773398

Q.12 Out of the given options, choose the most appropriate one to fill in the blank.

The air was clear and fresh, \_\_\_\_\_ all the traffic.

- Ans
- 1. in spite of
  - 2. even though
  - 3. because of
  - 4. as if

Question ID : 54592773391

Q.13 Rearrange the following four sentences (P), (Q), (R), and (S) in a proper sequence to form a meaningful paragraph and then choose the right choice of the sequence of letters which represents the correct arrangement.

1. A Crow was dying of thirst when he saw a pitcher. Hoping to find water, he flew to it with delight.  
P. And he knew that if he tipped the pitcher over, the water would spill out before he could drink it.  
Q. He collected as many stones as he could carry and dropped them one by one with his beak into the pitcher.  
R. When he reached it, he discovered to his grief that it was only one-quarter full. The level of the water was so low that he could not possibly get at it. The spout was too narrow, and he too big.  
S. He thought and thought. Finally, he had an idea.  
6. With each stone, the level of the water rose higher and higher until it came within his reach. Thus he saved his life.

- Ans
- 1. PQRS
  - 2. RPSQ
  - 3. SPQR
  - 4. QPRS

Question ID : 54592773392

Q.14 Choose a word that can be replaced for the given sentence.

A room for keeping luggage at a railway station or in any public building.

- Ans
- 1. Cargo
  - 2. Creche
  - 3. Dormitory
  - 4. Cloakroom

Question ID : 54592773401

Q.15 A sentence with an underlined word is given below. Find the word which is opposite to the underlined word from the given options.

The boy shows utter contempt for authority and is virtually uncontrollable.

- Ans
- 1. respect
  - 2. disrespect
  - 3. imagination
  - 4. dislike

Question ID : 54592773394

**Comprehension:**

Read the passage carefully and choose the best answer to each question.

The Right of children to Free and Compulsory Education Act came into force from April 1, 2010. This was a historic day for the people of India as from this day the right to education will be accorded the same legal status as the right to life as provided by Article 21A of the Indian Constitution. Every child in the age group of 6-14 years will be provided 8 years of elementary education in an age appropriate classroom in the vicinity of his/her neighborhood.

Any cost that prevents a child from accessing school will be borne by the State which shall have the responsibility of enrolling the child as well as ensuring attendance and completion of 8 years of schooling. No child shall be denied admission for want of documents; no child shall be turned away if the admission cycle in the school is over and no child shall be asked to take an admission test. Children with disabilities will also be educated in the mainstream schools. The Prime Minister Shri Manmohan Singh has emphasized that it is important for the country that if we nurture our children and young people with the right education, India's future as a strong and prosperous country is secure.

**SubQuestion No : 16**

**Q.16 As per the information contained in the passage, which statement is not true?**

- Ans
- 1. Children with disabilities will not be educated in the mainstream schools
  - 2. All children will be required to take an admission test in order to ensure admission to a good school
  - 3. A child shall be turned away if the admission cycle in the school is over
  - 4. All are untrue

Question ID : 54592773407

**Comprehension:**

Read the passage carefully and choose the best answer to each question.

The Right of children to Free and Compulsory Education Act came into force from April 1, 2010. This was a historic day for the people of India as from this day the right to education will be accorded the same legal status as the right to life as provided by Article 21A of the Indian Constitution. Every child in the age group of 6-14 years will be provided 8 years of elementary education in an age appropriate classroom in the vicinity of his/her neighborhood.

Any cost that prevents a child from accessing school will be borne by the State which shall have the responsibility of enrolling the child as well as ensuring attendance and completion of 8 years of schooling. No child shall be denied admission for want of documents; no child shall be turned away if the admission cycle in the school is over and no child shall be asked to take an admission test. Children with disabilities will also be educated in the mainstream schools. The Prime Minister Shri Manmohan Singh has emphasized that it is important for the country that if we nurture our children and young people with the right education, India's future as a strong and prosperous country is secure.

**SubQuestion No : 17**

**Q.17 What is the aim of right to education?**

- Ans
- 1. To provide 8 years of elementary education to every child in the age group of 6-14 years
  - 2. To get all the children admitted in private schools
  - 3. To provide 10 years of elementary education to every child in the age group of 6-12 years
  - 4. To get all the children admitted in government schools

Question ID : 54592773404

**Comprehension:**

Read the passage carefully and choose the best answer to each question.

The Right of children to Free and Compulsory Education Act came into force from April 1, 2010. This was a historic day for the people of India as from this day the right to education will be accorded the same legal status as the right to life as provided by Article 21A of the

Indian Constitution. Every child in the age group of 6-14 years will be provided 8 years of elementary education in an age appropriate classroom in the vicinity of his/her neighborhood.

Any cost that prevents a child from accessing school will be borne by the State which shall have the responsibility of enrolling the child as well as ensuring attendance and completion of 8 years of schooling. No child shall be denied admission for want of documents; no child shall be turned away if the admission cycle in the school is over and no child shall be asked to take an admission test. Children with disabilities will also be educated in the mainstream schools. The Prime Minister Shri Manmohan Singh has emphasized that it is important for the country that if we nurture our children and young people with the right education, India's future as a strong and prosperous country is secure.

**SubQuestion No : 18**

Q.18 Which word in the passage means, "The area near or surrounding a particular place"?

- Ans
- 1. Legal
  - 2. Historic
  - 3. Elementary
  - 4. Vicinity

Question ID : 54592773405

**Comprehension:**

Read the passage carefully and choose the best answer to each question.

The Right of children to Free and Compulsory Education Act came into force from April 1, 2010. This was a historic day for the people of India as from this day the right to education will be accorded the same legal status as the right to life as provided by Article 21A of the Indian Constitution. Every child in the age group of 6-14 years will be provided 8 years of elementary education in an age appropriate classroom in the vicinity of his/her neighborhood.

Any cost that prevents a child from accessing school will be borne by the State which shall have the responsibility of enrolling the child as well as ensuring attendance and completion of 8 years of schooling. No child shall be denied admission for want of documents; no child shall be turned away if the admission cycle in the school is over and no child shall be asked to take an admission test. Children with disabilities will also be educated in the mainstream schools. The Prime Minister Shri Manmohan Singh has emphasized that it is important for the country that if we nurture our children and young people with the right education, India's future as a strong and prosperous country is secure.

**SubQuestion No : 19**

Q.19 Why April 1, 2010 was considered a historic day for the people of India?

- Ans
- 1. Both Because Right of children to Free and Compulsory Education Act came into force and Because right to life as provided by Article 21A was nullified
  - 2. Because Right of children to Free and Compulsory Education Act came into force
  - 3. Because right to life as provided by Article 21A was not nullified
  - 4. Because right to life as provided by Article 21A was nullified

Question ID : 54592773403

**Comprehension:**

Read the passage carefully and choose the best answer to each question.

The Right of children to Free and Compulsory Education Act came into force from April 1, 2010. This was a historic day for the people of India as from this day the right to education will be accorded the same legal status as the right to life as provided by Article 21A of the Indian Constitution. Every child in the age group of 6-14 years will be provided 8 years of elementary education in an age appropriate classroom in the vicinity of his/her neighborhood.

Any cost that prevents a child from accessing school will be borne by the State which shall have the responsibility of enrolling the child as well as ensuring attendance and completion of 8 years of schooling. No child shall be denied admission for want of documents; no child shall be turned away if the admission cycle in the school is over and no child shall be asked to take an admission test. Children with disabilities will also be educated in the mainstream schools. The Prime Minister Shri Manmohan Singh has emphasized that it is important for the country

that if we nurture our children and young people with the right education, India's future as a strong and prosperous country is secure.

SubQuestion No : 20

Q.20 As per the information contained in the passage, which statement is true?

- Ans
- 1. State shall have the responsibility of enrolling the child as well as ensuring attendance and completion of 8 years of schooling
  - 2. No child shall be denied admission for want of documents
  - 3. Any cost that prevents a child from accessing school will be borne by the State
  - 4. All are true

Question ID : 54592773406

Section : General Hindi

Q.1 लोकोक्ति 'डायन भी दस घर बक्ष देती है' का अर्थ है-

- Ans
- 1. कटु वचन बराबर याद रहते है।
  - 2. अपराधी कभी किसी को नहीं छोड़ता
  - 3. अन्यायी भी पड़ोसी से हिल-मिल कर रहता है।
  - 4. भलाई करने के लिए किसी से क्या पूछना।

Question ID : 54592773422

Q.2 शुद्ध वर्तनी वाले शब्द का चयन कीजिए-

- Ans
- 1. विभावरी
  - 2. सर्पण
  - 3. आकर्षण
  - 4. प्रोद्योगिकी

Question ID : 54592773415

Q.3 'करना' शब्द से कौन-सा शब्द प्रेरणार्थक क्रिया बनेगा?

- Ans
- 1. करो
  - 2. करवाना
  - 3. करवाया
  - 4. करना पड़ेगा

Question ID : 54592773411

Q.4 वाक्य प्रकार का चयन कीजिए-

'भाग्यवान का हल भूत जोतता है।'

- Ans
- 1. कर्मवाच्य
  - 2. कर्तृवाच्य
  - 3. मिश्र वाक्य
  - 4. भाववाच्य

Question ID : 54592773419

Q.5 "संयोग" शब्द का संधि विच्छेद है-

- Ans
- 1. सं + योग
  - 2. सम् + योग
  - 3. सम्म + योग
  - 4. सम + योग

Question ID : 54592773408

Q.6 दिए गए वाक्य के लिए एक शब्द का चयन कीजिए-

"ऐसे स्थान पर निवास करना जहाँ कोई पता न पा सके"

- Ans
- 1. अज्ञातवास
  - 2. अज्ञ
  - 3. आचमन
  - 4. कब्रस्तान

Question ID : 54592773414

Q.7 मुहावरा 'चींटी के पर निकलना' का अर्थ है-

- Ans
- 1. आराम की जिन्दगी जीना
  - 2. किसी मालदार को फसाँना
  - 3. मौत के लक्षण दिखना
  - 4. अत्यंत श्रम का काम करना

Question ID : 54592773420

Q.8 दिए गए विकल्पों में से बहुवचन शब्द का चयन कीजिए-

- Ans
- 1. वर्षा
  - 2. सोना
  - 3. अक्षत
  - 4. जनता

Question ID : 54592773418

Q.9 'ओस' का पर्यायवाची शब्द है-

- Ans
- 1. दोष
  - 2. वसन
  - 3. तुषार
  - 4. अधर

Question ID : 54592773412

Q.10 संस्कृति का विशेषण क्या है?

- Ans
- 1. सांस्कृतिक
  - 2. संस्कृत

3. सांस्कृतिक

4. संस्कृतिक

Question ID : 54592773410

Q.11 वाक्य प्रकार का चयन कीजिए-

'जब तक वह घर पहुँचा तब तक उसके पिता जा चुके थे।

- Ans  1. मिश्र वाक्य  
 2. संयुक्त वाक्य  
 3. सरल वाक्य  
 4. आज्ञावाचक वाक्य

Question ID : 54592773417

Q.12 वाक्य के शुद्ध रूप का चयन कीजिए-

- Ans  1. आप तो मान गए पर तुम्हारा भाई न माना।  
 2. तुम तो मान गए पर तुम्हारा भाई न माना।  
 3. आपका भाई तो मान गया पर तुम तो नहीं माने।  
 4. न तो तुम माने और ही न आपका भाई।

Question ID : 54592773416

Q.13 'प्रज्ञा' का विलोम शब्द है-

- Ans  1. निर्भय  
 2. अविवेक  
 3. अप्रज्ञा  
 4. अभेद

Question ID : 54592773413

Q.14 "गृहागत" में कौन-सा समास है?

- Ans  1. द्विगु समास  
 2. द्वंद्व समास  
 3. अव्ययीभाव समास  
 4. तत्पुरुष समास

Question ID : 54592773409

Q.15 दिए गए विकल्पों में से किसमें विराम्-चिन्हों का गलत प्रयोग हुआ है?

- Ans  1. वस्तु, व्यक्ति, स्थान, भावादिके नाम को 'संज्ञा' कहते हैं।  
 2. धीरे:धीरे कुछ नहीं मिलता सिर्फ मौत मिलती है!!  
 3. विषय:-चार दिनों की छुट्टी हेतु।  
 4. 'नाच न जाने आँगन टेढ़ा'।

Question ID : 54592773421

## Comprehension:

दिये गये गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों का उत्तर दीजिए-

भारतीय राष्ट्रीय फुटबॉल टीम अखिल भारतीय फुटबॉल महासंघ के द्वारा शासित है। 1948 से यह अखिल भारतीय फुटबॉल महासंघ फीफा द्वारा संबद्ध हो गयी। 1948 से भारतीय फुटबॉल महासंघ एशियाई फुटबॉल संघ के संस्थापक सदस्यों में है। भारतीय टीम ने अब तक दो एशियाई खेलों में स्वर्ण तथा एएफसी एशियाई कप में एक बार रजत जीता है। भारतीय टीम ने 1930 में ही ऑस्ट्रेलिया, जापान, मलेशिया, इंडोनेशिया और थाईलैंड का दौरा शुरू किया था। जल्द ही कई भारतीय फुटबॉल क्लबों की सफलता के बाद, अखिल भारतीय फुटबॉल महासंघ (एआईएफएफ) 1937 में बनाई गई। 1948 का लन्दन ओलंपिक भारतीय टीम के लिए पहला बड़ा टूर्नामेंट था। वहाँ पर टीम को फ्रॉंस से 2-1 से हार का सामना करना पड़ा। 1951 से 1962 की समयवधि को भारतीय फुटबॉल का स्वर्ण युग माना जाता है। सैय्यद अब्दुल रहीम के प्रशिक्षण में भारतीय टीम एशिया की सर्वश्रेष्ठ टीम बनी। भारतीय टीम ने 1951 के एशियाई खेलों में स्वर्ण जीता, जिसकी मेजबानी भारत ने ही की थी। 1954 के एशियाई खेलों, जो कि मनीला में हुए थे, में भारत ने गुप चरण में दूसरा स्थान प्राप्त किया। 1956 के ओलम्पिक खेलों में भारत ने चौथा स्थान प्राप्त किया। यह भारतीय टीम की सबसे बड़ी उपलब्धि थी। भारतीय टीम ने 1962 के एशियाई खेलों में दक्षिण कोरिया को 2-1 से हराकर स्वर्ण पदक जीता। 1964 एशियाई कप में भारत उपविजेता रहा। यह टूर्नामेंट भारतीय टीम के लिए यादगार साबित हुआ। इसके बाद भारतीय टीम के प्रदर्शन में गिरावट शुरू हो गयी। बहुत से प्रतियोगिताओं में असफल रहने के बाद 1982 के एशियाई खेलों में क्वार्टर फाइनल तक पहुँची, जिसकी मेजबानी दिल्ली ने की थी। इसके बाद भारतीय टीम ने 20 वर्षों बाद 1984 एएफसी एशियाई कप के लिए क्वालीफाई किया।

## SubQuestion No : 16

Q.16 उपरोक्त गद्यांश के अनुसार 1954 के एशियाई खेल, कहा आयोजित किये गये थे, जिसमें भारतीय राष्ट्रीय फुटबॉल टीम ने गुप चरण में दूसरा स्थान प्राप्त किया था।

- Ans
- 1. चीन
  - 2. मनीला
  - 3. दिल्ली
  - 4. देहरादून

Question ID : 54592773428

## Comprehension:

दिये गये गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों का उत्तर दीजिए-

भारतीय राष्ट्रीय फुटबॉल टीम अखिल भारतीय फुटबॉल महासंघ के द्वारा शासित है। 1948 से यह अखिल भारतीय फुटबॉल महासंघ फीफा द्वारा संबद्ध हो गयी। 1948 से भारतीय फुटबॉल महासंघ एशियाई फुटबॉल संघ के संस्थापक सदस्यों में है। भारतीय टीम ने अब तक दो एशियाई खेलों में स्वर्ण तथा एएफसी एशियाई कप में एक बार रजत जीता है। भारतीय टीम ने 1930 में ही ऑस्ट्रेलिया, जापान, मलेशिया, इंडोनेशिया और थाईलैंड का दौरा शुरू किया था। जल्द ही कई भारतीय फुटबॉल क्लबों की सफलता के बाद, अखिल भारतीय फुटबॉल महासंघ (एआईएफएफ) 1937 में बनाई गई। 1948 का लन्दन ओलंपिक भारतीय टीम के लिए पहला बड़ा टूर्नामेंट था। वहाँ पर टीम को फ्रॉंस से 2-1 से हार का सामना करना पड़ा। 1951 से 1962 की समयवधि को भारतीय फुटबॉल का स्वर्ण युग माना जाता है। सैय्यद अब्दुल रहीम के प्रशिक्षण में भारतीय टीम एशिया की सर्वश्रेष्ठ टीम बनी। भारतीय टीम ने 1951 के एशियाई खेलों में स्वर्ण जीता, जिसकी मेजबानी भारत ने ही की थी। 1954 के एशियाई खेलों, जो कि मनीला में हुए थे, में भारत ने गुप चरण में दूसरा स्थान प्राप्त किया। 1956 के ओलम्पिक खेलों में भारत ने चौथा स्थान प्राप्त किया। यह भारतीय टीम की सबसे बड़ी उपलब्धि थी। भारतीय टीम ने 1962 के एशियाई खेलों में दक्षिण कोरिया को 2-1 से हराकर स्वर्ण पदक जीता। 1964 एशियाई कप में भारत उपविजेता रहा। यह टूर्नामेंट भारतीय टीम के लिए यादगार साबित हुआ। इसके बाद भारतीय टीम के प्रदर्शन में गिरावट शुरू हो गयी। बहुत से प्रतियोगिताओं में असफल रहने के बाद 1982 के एशियाई खेलों में क्वार्टर फाइनल तक पहुँची, जिसकी मेजबानी दिल्ली ने की थी। इसके बाद भारतीय टीम ने 20 वर्षों बाद 1984 एएफसी एशियाई कप के लिए क्वालीफाई किया।

## SubQuestion No : 17

Q.17 उपरोक्त गद्यांश का उचित शीर्षक है-

- Ans
- 1. भारतीय राष्ट्रीय फुटबॉल टीम
  - 2. भारतीय फुटबॉल क्लब
  - 3. भारतीय राष्ट्रीय फुटबॉल टीम का लन्दन ओलंपिक
  - 4. भारतीय राष्ट्रीय हॉकी टीम

Question ID : 54592773428

दिये गये गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों का उत्तर दीजिए-

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SubQuestion No : 18

Q.18 उपरोक्त गद्यांश के अनुसार अखिल भारतीय फुटबॉल महासंघ (एआईएफएफ) कब बनाई गई थी?

- Ans
- 1. 1930
  - 2. 1948
  - 3. 1962
  - 4. 1937

Question ID : 54592773425

Comprehension:

दिये गये गद्यांश का ध्यानपूर्वक अध्ययन कर प्रश्नों का उत्तर दीजिए-

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SubQuestion No : 19

Q.19 किस टूर्नामेंट में भारतीय टीम को फ्रॉस से 2-1 से हार का सामना करना पड़ा था?

- Ans
- 1. 1948 का लन्दन ओलंपिक
  - 2. 1951 के एशियाई खेल
  - 3. 1982 के एशियाई ओलम्पिक
  - 4. 1956 के ओलम्पिक

Question ID : 54592773426

Comprehension:

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SubQuestion No : 20

Q.20 उपरोक्त गद्यांश के अनुसार भारतीय टीम ने 1962 के एशियाई खेलों में किस टीम को हराकर स्वर्ण पदक जीता था?

- Ans
- 1. जापान
  - 2. उत्तर कोरिया
  - 3. दक्षिण कोरिया
  - 4. फ्रांस

Question ID : 54592773424

Section : Discipline 1

Q.1 The metabolic disorder of tryptophan catabolism is called:

- Ans
- 1. Hartnup disease
  - 2. hyperammonemia
  - 3. hypervalinemia
  - 4. alkaptonuria

Question ID : 54592773448

Q.2 Yttrium-90 in the form of colloidal suspensions of yttrium silicate is used in the treatment of:

- Ans
- 1. thyroid carcinoma
  - 2. polycythaemia
  - 3. thyrotoxicosis
  - 4. arthritic conditions in joints

Question ID : 54592773444

Q.3 Presence of electrolyte decreases the solubility of a gas in water by:

- Ans
- 1. common ion effect
  - 2. solubility product principle
  - 3. complex formation
  - 4. salting out

Question ID : 54592773442

Q.4 Which of the following is NOT an insecticide listed in the schedule of the Insecticides Act, 1968?

- Ans
- 1. Methyl bromide
  - 2. Copper sulphate
  - 3. Benzene hexachloride
  - 4. Diethylbarbituric acid

Question ID : 54592773440

Q.5 The most satisfactory indicator for non-aqueous acid-base titration is:

- Ans
- 1. alizarin yellow
  - 2. m-Cresol purple
  - 3. p-Naphtholbenzein
  - 4. sodium alizarin sulfonate

Question ID : 54592773447

Q.6 Inadequate intake of folic acid can lead to:

- Ans
- 1. sickle cell anaemia
  - 2. aplastic anaemia
  - 3. iron-deficiency anaemia
  - 4. megaloblastic anaemia

Question ID : 54592773432

Q.7 Which of the following is a slow-acting antacid?

- Ans
- 1. Sodium bicarbonate
  - 2. Calcium carbonate
  - 3. Magnesium oxide
  - 4. Aluminium hydroxide gel

Question ID : 54592773434

Q.8 The shape of a liquid mainly depends on:

- Ans
- 1. adhesive force
  - 2. Van der Waals force
  - 3. surface tension
  - 4. cohesive force

Question ID : 54592773430

Q.9 Ceramidase deficiency can cause:

- Ans
- 1. Fabry disease
  - 2. Krabbe disease

3. Faber's disease

4. Gaucher's disease

Question ID : 54592773438

Q.10 Colchicine is used to treat:

Ans  1. gout

2. high blood pressure

3. diabetes

4. arthritis

Question ID : 54592773433

Q.11 Ringer's injection is a:

Ans  1. compound sodium chloride injection

2. bacteriostatic sodium chloride injection

3. sodium chloride hypertonic injection

4. sodium chloride and dextrose injection

Question ID : 54592773441

Q.12 Co-enzyme A is derived from:

Ans  1. pantothenic acid

2. folic acid

3. lipoic acid

4. nicotinic acid

Question ID : 54592773435

Q.13 The chemical agent which inhibits the multiplication of bacteria is called a/an:

Ans  1. bacteriostatic

2. antiseptic

3. bactericide

4. germicide

Question ID : 54592773429

Q.14 Acholuric is a type of:

Ans  1. toxic jaundice

2. haemolytic jaundice

3. amoebic dysentery

4. obstructive jaundice

Question ID : 54592773439

Q.15 A radioisotope used for the investigation of amino acids and protein metabolism is:

Ans  1. oxygen (17 O, 18 O)

- 2. sodium (22 Na, 24 Na)
- 3. chromium (51 Cr)
- 4. nitrogen (13 N, 15 N)

Question ID : 54592773443

Q.16 Which of the following software programs is used for calculating peak plasma concentration and peak plasma time?

- Ans
- 1. MULTI
  - 2. KINPAK
  - 3. SAS
  - 4. BMDP

Question ID : 54592773446

Q.17 Which computer software program is used for observing drug reactions?

- Ans
- 1. SQL
  - 2. MEDIPHOR
  - 3. MYSQL
  - 4. NONLIN

Question ID : 54592773437

Q.18 Which of the following is a sexually transmitted disease?

- Ans
- 1. Gonorrhoea
  - 2. Hansen's disease
  - 3. Tetanus
  - 4. Trachoma

Question ID : 54592773445

Q.19 The bandage made of closed mesh non-absorbent gauze is called a:

- Ans
- 1. crepe bandage
  - 2. common gauze roller bandage
  - 3. woven elastic bandage
  - 4. muslin bandage

Question ID : 54592773431

Q.20 Mixing of low-viscosity fluid of less than 10 poise is an important mechanism for:

- Ans
- 1. turbulent mixing
  - 2. laminar mixing
  - 3. molecular diffusion
  - 4. bulk transport

Question ID : 54592773436

Section : Discipline2

Q.1 'To maintain and increase the supplies of bulk drugs and formulations' is one of the objectives of the:

- Ans
- 1. Drugs and Cosmetics Act, 1940
  - 2. Drugs and Magic Remedies (Objectionable Advertisements) Act, 1954
  - 3. Pharmaceutical Policy, 2002
  - 4. Drugs (Price Control) Order, 1995

Question ID : 54592773458

Q.2 The formation of blood clots within the blood veins, primarily in the lower extremities, is called:

- Ans
- 1. myocardial infarction
  - 2. cardiomyopathy
  - 3. atherosclerosis
  - 4. deep vein thrombosis

Question ID : 54592773462

Q.3 Most of the drug metabolism takes place in the:

- Ans
- 1. liver
  - 2. gall bladder
  - 3. stomach
  - 4. pancreas

Question ID : 54592773464

Q.4 'NONLIN' was introduced by:

- Ans
- 1. Needleman and Wunsch
  - 2. Metzler
  - 3. Ledley and Lusted
  - 4. Yukihiro Matsumoto

Question ID : 54592773461

Q.5 Which of the following are required for the supply of energy in protein synthesis?

- Ans
- 1. AMP and GMP
  - 2. ATP and GTP
  - 3. ATP and GMP
  - 4. GTP and AMP

Question ID : 54592773450

Q.6 Which of the following is a sulphur-containing amino acid?

- Ans
- 1. Arginine

2. Cysteine

3. Proline

4. Asparagine

Question ID : 54592773452

Q.7 The commonly used Latin abbreviation for 'shake' is:

Ans  1. p.o

2. ad.

3. ft.

4. agit.

Question ID : 54592773463

Q.8 A popular technique of sugar coating is called:

Ans  1. nonenteric film coating

2. press coating

3. pan coating

4. enteric coating

Question ID : 54592773466

Q.9 Which of the following is a device used for the evaporation or concentration of thermolabile substances?

Ans  1. Vacuum pan

2. Evaporating pan

3. Climbing film evaporator

4. Lillie film evaporator

Question ID : 54592773449

Q.10 Rauwolfia alkaloids are used:

Ans  1. to treat hypertension

2. to treat uterine haemorrhage

3. as a local anaesthetic

4. to treat emetic symptoms

Question ID : 54592773465

Q.11 The test used for the determination of pyrogenic endotoxins is the:

Ans  1. EICAR test

2. blood culture test

3. sterility test

4. LAL test

Question ID : 54592773456

Q.12 The route of administration of ceftriaxone is:

- Ans
- 1. oral
  - 2. sublingual
  - 3. suspension
  - 4. parenteral

Question ID : 54592773468

Q.13 A type of electromagnetic radiation used in Electron Spin Resonance (ESR) spectroscopy is:

- Ans
- 1. microwave
  - 2. ultraviolet radiation
  - 3. infrared radiation
  - 4. radio wave

Question ID : 54592773457

Q.14 Vapour pressure of benzene at 180°F is:

- Ans
- 1. 957 mm Hg
  - 2. 760 mm Hg
  - 3. 811 mm Hg
  - 4. 882 mm Hg

Question ID : 54592773453

Q.15 Drug induced malabsorption has been observed after the administration of:

- Ans
- 1. acetaminophen
  - 2. digoxin
  - 3. cephalexin
  - 4. neomycin

Question ID : 54592773467

Q.16 Biotin has a strong affinity for:

- Ans
- 1. alpha-keto acid
  - 2. isonicotinic acid hydrazide
  - 3. glutamic acid
  - 4. avidin

Question ID : 54592773454

Q.17 The reagent used for the colorimetric assay for ammonia is:

- Ans
- 1. Grignard reagent
  - 2. Folin-Ciocalteu reagent
  - 3. phenol-sodium hypochlorite reagent
  - 4. ferric chloride reagent

Q.18 Which of the following works on the principle of compression or nipping?

- Ans
- 1. Tumbling mill
  - 2. Hammer mill
  - 3. Roller mill
  - 4. Fluid energy mill

Question ID : 54592773460

Q.19 Which of the following is a blend preservative of an emulsion system?

- Ans
- 1. Propylparaben
  - 2. Mixture of methylparaben and propyl paraben
  - 3. Methylparaben
  - 4. Sodium sorbate

Question ID : 54592773459

Q.20 Diphenylthiocarbazone test is a specific test for the determination of:

- Ans
- 1. arsenic
  - 2. lead
  - 3. sulphate
  - 4. chloride

Question ID : 54592773451

Section : Discipline3

Q.1 The process of grinding a substance to a very fine powder is called:

- Ans
- 1. levigation
  - 2. maceration
  - 3. sublimation
  - 4. trituration

Question ID : 54592773482

Q.2 A commonly used integrity test for high efficiency particulate air filter is the:

- Ans
- 1. bubble point test
  - 2. bacterial challenge test
  - 3. dioctyl phthalate test
  - 4. diffusion test

Question ID : 54592773470

Q.3 Which of the following organisations functions as a laboratory with respect to blood grouping reagents and diagnostic kits for human immunodeficiency virus, hepatitis-B surface antigens and hepatitis-C virus?



Ans  1. National Institute of Biologicals, Noida

2. Central Drug Testing Laboratory, Thane

3. Centre for Advanced Research in Virology, Vellore

4. National Institute of Virology, Pune

Question ID : 54592773478

Q.4 A dosage form that releases the drug at a constant rate and provides plasma concentrations that remain invariant with time is called:

Ans  1. prolonged-release

2. controlled-release

3. extended-release

4. sustained release

Question ID : 54592773474

Q.5 The government endeavours to upgrade the standards of pharmacy education and R & D through which of the following institutions?

Ans  1. PCI

2. IIT

3. NIPER

4. AICTE

Question ID : 54592773473

Q.6 If a drug is NOT labelled in the prescribed manner, then it shall be deemed as a/an:

Ans  1. adulterated drug

2. new drug

3. misbranded drug

4. spurious drug

Question ID : 54592773471

Q.7 Which of the following is a technique used for the specific identification of RNA molecules?

Ans  1. Western blotting

2. Dot blotting

3. Northern blotting

4. Southern blotting

Question ID : 54592773476

Q.8 Which of the following is an acute communicable disease of the upper respiratory tract?

Ans  1. Chickenpox

2. Influenza

3. Common cold

4. Measles

Q.9 Which of the following is a method of sterilisation of blood bags?

- Ans
- 1. Using gamma radiation and ethylene oxide
  - 2. Microwaving
  - 3. Using a hot air oven
  - 4. Autoclaving

Question ID : 54592773486

Q.10 Which of the following is a purine alkaloid?

- Ans
- 1. Caffeine
  - 2. Papaverine
  - 3. Morphine
  - 4. Codeine

Question ID : 54592773480

Q.11 A clinical disorder caused due to protein-energy malnutrition is:

- Ans
- 1. alkaptonuria
  - 2. phenylketonuria
  - 3. kwashiorkor
  - 4. hypervalinemia

Question ID : 54592773475

Q.12 Which of the following is a mucopolysaccharide?

- Ans
- 1. Cellulose
  - 2. D-glucuronic acid
  - 3. Hyaluronic acid
  - 4. Glycogen

Question ID : 54592773483

Q.13 A bacterium that is commonly used to deliver the DNA for bacterial or viral antigens is called:

- Ans
- 1. Mycobacterium tuberculosis
  - 2. Agrobacterium tumefaciens
  - 3. Salmonella typhimurium
  - 4. Salmonella enteritidis

Question ID : 54592773481

Q.14 Which of the following drugs is used as an antianxiety agent?

- Ans
- 1. Temazepam
  - 2. Flurazepam
  - 3. Triazolam

✓ 4. Diazepam

Question ID : 54592773485

Q.15 Mebendazole contains the:

- Ans
- 1. imidazolidinone nucleus
  - 2. quinoline nucleus
  - 3. isoquinoline nucleus
  - 4. imidazole nucleus

Question ID : 54592773479

Q.16 Which of the following is NOT a semi-solid dosage form?

- Ans
- 1. Ointment
  - 2. Cream
  - 3. Paste
  - 4. Emulsion

Question ID : 54592773469

Q.17 Which of the following statements is listed as an instruction for taking antacid tablets?

- Ans
- 1. Do not take on an empty stomach.
  - 2. Do not take with milk.
  - 3. Avoid alcoholic beverages.
  - 4. Chew; do not swallow.

Question ID : 54592773477

Q.18 Which of the following toilet preparations is used to make the eyelashes appear longer?

- Ans
- 1. Eyebrow pencil
  - 2. Liquid eyeshadow
  - 3. Mascara
  - 4. Eye cream

Question ID : 54592773487

Q.19 A substance deemed to be poisonous as categorised in the Poison Act, 1919, List B is:

- Ans
- 1. arsenic
  - 2. potassium cyanide
  - 3. carbolic acid
  - 4. aconine

Question ID : 54592773488

Q.20 Which of the following is an analytical reagent used for the qualitative determination of ketoses?

- Ans
- 1. Molisch's reagent

- 2. Grignard reagent
- 3. Mayer's reagent
- 4. Seliwanoff's reagent

Question ID : 54592773472

## Section : Discipline4

Q.1 The electrode used in polarographic analysis is a:

- Ans
- 1. glass electrode
  - 2. glass membrane electrode
  - 3. standard hydrogen electrode
  - 4. dropping mercury electrode

Question ID : 54592773508

Q.2 The goal of formulary system management is to:

- Ans
- 1. review all significant adverse drug reactions
  - 2. review the drug list for use in the hospital
  - 3. develop procedures for handling and control of drugs brought into the hospital by patients
  - 4. provide sound therapeutics

Question ID : 54592773492

Q.3 Allergenicity studies are performed by means of a/an:

- Ans
- 1. dermal toxicity study
  - 2. in-vivo micronucleus assay
  - 3. in-vitro cytogenetic assay
  - 4. guinea-pig maximisation test

Question ID : 54592773500

Q.4 The conditions for the grant or renewal of a 'repacking' licence is in:

- Ans
- 1. Form 25-A
  - 2. Form 28-A
  - 3. Form 25-F
  - 4. Form 25-B

Question ID : 54592773498

Q.5 Adiabatic evaporative cooling is used to create supersaturation in a:

- Ans
- 1. Krystal cooler crystallizer
  - 2. vacuum crystallizer
  - 3. Swenson Walker crystallizer
  - 4. tank crystallizer

Question ID : 54592773505

Q.6 Atmospheric pollutants from industrial processes can be analysed using:

- Ans
- 1. spectrofluorimetry
  - 2. UV-visible spectroscopy
  - 3. nuclear magnetic resonance spectroscopy
  - 4. infrared absorption spectroscopy

Question ID : 54592773499

Q.7 Fractional sterilisation is also known as:

- Ans
- 1. autoclaving
  - 2. tyndallization
  - 3. pasteurisation
  - 4. incineration

Question ID : 54592773490

Q.8 A chromatographic technique which is particularly applicable to separate high molecular weight species is called:

- Ans
- 1. thin-layer chromatography
  - 2. column chromatography
  - 3. high-performance thin-layer chromatography
  - 4. size-exclusion chromatography

Question ID : 54592773502

Q.9 'Depilatories' are:

- Ans
- 1. hair tonics
  - 2. hair removers
  - 3. hair conditioners
  - 4. brilliantines

Question ID : 54592773489

Q.10 Which of the following is a major feature of spirochetes?

- Ans
- 1. Rigid and polar flagella
  - 2. Flexible and periplasmic flagella
  - 3. Soft and non-motile
  - 4. Rigid and lacking flagella

Question ID : 54592773507

Q.11 Materials purchased are issued strictly in chronological order. This practice is called the:

- Ans
- 1. HIFO method
  - 2. FIFO method

3. NIFO method

4. LIFO method

Question ID : 54592773501

Q.12 Which of the following is a natural excipient obtained from diatomaceous earth?

Ans  1. manna

2. kieselguhr

3. shellac

4. asbestos

Question ID : 54592773493

Q.13 Chemical aspects of formulations generally centre around:

Ans  1. compatibility with the other formulation ingredients

2. chemical stability of the drug

3. polymorphism

4. chemical stability of the drug and compatibility with the other formulation ingredients

Question ID : 54592773491

Q.14 Which of the following is NOT a complication relating to an aneurysm?

Ans  1. Pressure

2. Haemorrhage

3. Calcification

4. Thrombosis

Question ID : 54592773506

Q.15 The only significant enzymopathy of Embden-Meyerhof glycolytic pathway is:

Ans  1. carboxypeptidase

2. elastase

3. aminopeptidase

4. pyruvate kinase

Question ID : 54592773496

Q.16 The computer program used to determine the dosage requirements of a new patient belonging to a large group is called a/an:

Ans  1. periodic inventory control system

2. empirical program

3. fixed program

4. adaptive program

Question ID : 54592773494

Q.17 The triceps muscle is situated on the:

- Ans
- 1. upper medial aspect of the arm
  - 2. posterior aspect of the humerus
  - 3. anterior aspect of the upper arm
  - 4. anterior thoracic wall

Question ID : 54592773495

Q.18 A mineral required for the synthesis of insulin in the pancreas is:

- Ans
- 1. iodine
  - 2. iron
  - 3. zinc
  - 4. potassium

Question ID : 54592773497

Q.19 Guillain-Barre syndrome is also known as:

- Ans
- 1. acute post-infectious polyneuritis
  - 2. Bell's palsy
  - 3. meningomyelocele
  - 4. meningocele

Question ID : 54592773503

Q.20 A common reagent used in the chemical ionisation method is:

- Ans
- 1. ethanol
  - 2. methane
  - 3. methanol
  - 4. ethane

Question ID : 54592773504

Section : Discipline5

Q.1 A type of non-staining iodine preparation is:

- Ans
- 1. povidone-iodine
  - 2. benzocaine
  - 3. gentian violet
  - 4. beta-methionine

Question ID : 54592773517

Q.2 Insulin preparations are usually administered:

- Ans
- 1. intradermally
  - 2. intravenously
  - 3. intramuscularly

4. subcutaneously

Question ID : 54592773523

Q.3 The maximal antibacterial activity exhibited by sulphonamides is between the pKa values:

- Ans
- 1. 3.6 and 6.5
  - 2. 7.5 and 12.1
  - 3. 4.1 and 6.4
  - 4. 6.6 and 7.4

Question ID : 54592773510

Q.4 Which of the following is NOT a brain stem?

- Ans
- 1. Midbrain
  - 2. Medulla oblongata
  - 3. Pons varolii
  - 4. Cerebrum of forebrain

Question ID : 54592773522

Q.5 Which of the following is an aryl acetic acid derivative?

- Ans
- 1. Salsalate
  - 2. Ibuprofen
  - 3. Mefenamic acid
  - 4. Aspirin

Question ID : 54592773519

Q.6 Epstein-Barr virus is isolated from:

- Ans
- 1. patients recovering from shingles
  - 2. Burkitt's lymphoma
  - 3. throat swabs in humans
  - 4. convalescent serum of patients

Question ID : 54592773511

Q.7 In differential leucocyte count, a high lymphocyte number indicates:

- Ans
- 1. whooping cough
  - 2. severe infection
  - 3. granulocytic leukaemia
  - 4. bacterial infection

Question ID : 54592773516

Q.8 Which of the following is an airborne disease?

- Ans
- 1. Amoebiasis
  - 2. Cholera



3. Typhoid

4. Tuberculosis

Question ID : 54592773526

Q.9 Which of the following is an example of an ampholytic synthetic surface active agent?

Ans  1. Tween 80

2. Dodecylpyridinium chloride

3. Sodium stearate

4. N-dodecyl alanine

Question ID : 54592773524

Q.10 The color of the label used to denote the blood group 'B' is:

Ans  1. pink

2. yellow

3. blue

4. white

Question ID : 54592773520

Q.11 Which of the following is NOT an essential amino acid?

Ans  1. Valine

2. Lysine

3. Leucine

4. Serine

Question ID : 54592773513

Q.12 The daily requirement of calcium for an adult is:

Ans  1. 0.5 to 1 g

2. 5 to 7 g

3. 0.15 to 0.30 mg

4. 15 mg

Question ID : 54592773521

Q.13 Which of the following is the hormone secreted from the posterior pituitary?

Ans  1. prolactin

2. thyrotropic hormone

3. vasopressin

4. adrenocorticotrophic hormone

Question ID : 54592773528

Q.14 Aloe is employed as a/an:

Ans  1. astringent

- 2. bitter tonic
- 3. sedative
- 4. purgative

Question ID : 54592773515

Q.15 'Injury to a person walking in front of a drug store' is classified as what type of insurance coverage?

- Ans
- 1. Fire insurance
  - 2. Demolition insurance
  - 3. Casualty insurance
  - 4. Indirect damage insurance

Question ID : 54592773518

Q.16 The drug used to treat hyperlipoproteinemia is:

- Ans
- 1. clonidine hydrochloride
  - 2. captopril
  - 3. prazosin hydrochloride
  - 4. clofibrate

Question ID : 54592773527

Q.17 Which of the following is a factor that affects drug distribution?

- Ans
- 1. Drug stability
  - 2. Disintegration time
  - 3. Plasma protein binding
  - 4. Dissolution time

Question ID : 54592773525

Q.18 The standards for disinfectant fluids are given in:

- Ans
- 1. Schedule P
  - 2. Schedule S
  - 3. Schedule N
  - 4. Schedule O

Question ID : 54592773512

Q.19 Which of the following is a type of proliferative disorder?

- Ans
- 1. Eosinopenia
  - 2. Lymphopenia
  - 3. Leukaemia
  - 4. Neutropenia

Question ID : 54592773509

Q.20 The minimum manufacturing space required for tablet formulation for the Ayurvedic and Siddha system of medicine is:

- Ans
- 1. 150 sq. ft.
  - 2. 400 sq. ft.
  - 3. 200 sq. ft.
  - 4. 100 sq. ft.

Question ID : 54592773514

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