

MATHS

BOOKS - SSC PREVIOUS YEAR PAPER MATHS (HINGLISH)

SSC CGL TIER - I (CBE) EXAM - SET 37

GENERAL INTELLIGENCE

1. In the following question, select the related word from the given alternatives

: Vacant : Empty :: Dearth: ?

- A. Descend
- B. Scarcity
- C. Squander
- D. Abundant

Answer: B



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2. In the following question, select the related letters from the given alternatives :

HMPU : IOSY :: GMRF : ?

A. TKOB

B. HOUJ

C. HPUU

D. HOJU

Answer: B



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

50 : 65 :: 122 : ?

A. 157

B. 145

C. 147

D. 155

Answer: B



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4. In the following question, select the odd word pair from the given alternatives :

A. Venus : Planet

B. Moon : Satellite

C. Jupiter : Black Hole

D. Sun : Star

Answer: C



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5. In the following question, select the odd letters from the given alternatives :

A. KQ

B. DJ

C. SZ

D. RX

Answer: C



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6. in the following question, select the odd number from the given alternatives

A. 361

B. 441

C. 784

D. 876

Answer: D



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7. Arrange the given words in the sequence in which they occur in the dictionary:

1. Herbivorous
2. Harmony
3. House
4. Honour
5. Helm

A. 12543

B. 25143

C. 21534

D. 12354

Answer: B



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8. A series is given with one term missing.

Select the correct alternative from the given

ones that will complete the series.

A, C, E, G, ?

A. H

B. I

C. J

D. F

Answer: B



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

2, 4, 13, 41, 106, ?

A. 172

B. 191

C. 219

D. 232

Answer: D



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10. Hitesh, Sunny, Vicky, Nitin and Bharat are arranged in ascending order of the height from the top. Hitesh is at third place. Bharat is between Nitin and Hitesh while Nitin is not at the bottom. Who has the maximum height among them?

A. Hitesh

B. Sunny

C. Vicky

D. Nitin

Answer: D





11. If 'A + B' means 'A is father of B', 'A-B' means 'A is mother of B'. A B' means 'A is brother of B' and 'A% B' means 'A is sister of B', then how is Q related to S in 'P+Q*R-S'?

- A. Husband
- B. Uncle
- C. Brother
- D. Father

Answer: B



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12. In the following question, from the given alternative words. select the word which cannot be formed using the letters of the given word.

ABANDONED

A. BONDED

B. BANNED

C. BLAND

D. BANE

Answer: C



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13. In a certain code language, "REMOTE" is written as "KYSPGS" and "BRAND" is written as "IRDTC". How is "MOBILE" written in that code language ?

A. FMJCPN

B. KQMEQN

C. DKHANL

D. DMHCNN

Answer: B



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14. If "/" denotes "multiplied by", "+" denotes "subtracted from", "x" denotes "added to" and "-" denotes "divided by" then

$$12 - 6 + 28X\frac{3}{9} = ?$$

A. -24

B. 1

C. -53

D. 8

Answer: B



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15. If $19 (36) 13$ and $37 (81) 28$ then what is the value of 'A' in $43 (A) 38$?

A. 49

B. 25

C. 34

D. 645

Answer: B



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16. In the following question below are given some statements followed by some Conclusions. Taking the given statements to be true even if they seem to be at variance from commonly known facts. read all the Conclusions and then decide which of the given Conclusions logically follows the given

statements.

Statements :

I. All Insects are dangerous.

II. All machines are dangerous.

Conclusions :

I. All dangerous are insects.

II. All dangerous are machines.

III. Some machines are insects

A. Only Conclusion I follows.

B. Only Conclusion II follows.

C. Only Conclusion III follows.

D. No Conclusion follows.

Answer: D



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GENERAL AWARENESS

1. Who takes the decision regard in the savings and loan ac tivities in a Self Help Group (SHG)

- A. Private Bank
- B. Reserve Bank of India
- C. Members or group

D. Non Government Organizations

Answer: C



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2. Which amongst the following is not in the list of Maharatna ?

A. Coal India Limited

B. Steel Authority of India Limited

C. Hindustan Petroleum Corporation Limited

D. Bharat Heavy Electricals Limited

Answer: C



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3. In Indian constitution, the method of election of President has been taken from which Country?

A. Britain

B. USA

C. Ireland

D. Australia

Answer: C



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4. What is the literal meaning of the term "Quo-Warranto"?

A. We command

B. TO forbid

C. By what authority (or) warrant

D. None of these

Answer: C



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5. Who was given the title of "The Ambassador of Hindu-Muslim Unity" for being the architect and mastermind of the historic Lucknow Pact ?

A. Sir Sayyad Ahmad Khan

B. Fauzl-ul-Haq

C. Syed Mohammad Sharifuding Quadri

D. Muhammad Ali Jinnah

Answer: D



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6. What is the name of the court poet of king Harshavardhana ?

A. Tulsidas

B. Banabhatta

C. Surdas

D. Raskhan

Answer: B



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7. Marble comes under which category of rocks ?

- A. Sedimentary
- B. Igneous
- C. Metamorphic
- D. None of these

Answer: C



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8. Which of the following is most important for absorption of heat radiated from the Sun as well as from the Earth ?

- A. Carbon dioxide
- B. Oxygen
- C. Carbon monoxide
- D. Nitrogen

Answer: A



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9. Which among the following has segmented body?

- A. Phylum Mollusca.
- B. Phylum Arthropoda
- C. Phylum annelida
- D. Phylum Coelenterata

Answer: C

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10. Synapse gap is present between which of the following ?

- A. Two neurons
- B. Brain and spinal Cord
- C. Two Kidneys
- D. None of these

Answer: A



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11. Which organ has finger like outgrowths which are called as Villi (Stangular Villus) ?

- A. Large Intestine
- B. Bladder
- C. Small Intestine
- D. Stomach

Answer: C



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12. Which of the following is not a vector quantity ?

A. Acceleration

B. Electric current

C. Force

D. Velocity

Answer: B



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13. The phenomenon of raising the outer edge of the curved roads above the inner edge to provide necessary centripetal force to the vehicle to take a safe turn is called _____.

- A. banking of roads
- B. cornering of roads
- C. elevation of roads
- D. tempering of roads

Answer: A



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14. C ++ is _____.

- A. an operating system
- B. a programming language
- C. a software
- D. None of these

Answer: B



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15. What are isobars ?

- A. Elements with same atomic number but different mass number
- B. Elements with different atomic number but same mass number
- C. Elements with different atomic number and different mass number
- D. Elements with same atomic number and same mass number

Answer: B



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16. Which of the following pairs is INCORRECT?

I. haematite: Iron

II. Pitchblende : Copper

III. Monazite: Thorium

A. Only I

B. Only II

C. Only I and II

D. Only I and III

Answer: B





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17. In which year did Kyoto Protocol came into force ?

A. 2004

B. 2005

C. 2006

D. 2007

Answer: B



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18. The 7th pay commission has retained the rate of annual increment of _____.

A. 2 %

B. 2.57 %

C. 3 %

D. 3.5 %

Answer: C



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19. Who discovered malaria causing germs ?

A. Christiaan Bernard

B. Charles Louis Alphonse Laveran

C. Dmitry Ivanovsky

D. Martinus Willian Beijerinck

Answer: B



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20. Which of the following pair is INCORRECT

?

- A. Famjad Ali Khan-Table
- B. Ustad Bismillah Khan-Shehnaj
- C. Hema Malini-Bharatnatyam
- D. Shambhu Maharaj-Kathak

Answer: A



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21. Who was conferred with the 2016 Noble Prize for Literature ?

- A. Bob Dylan

B. Oliver Hart

C. Yoshinori Ohsumi

D. J. Michael Kosteritz

Answer: A



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22. Who is the author of the book titled "The Gita for Children"

A. Puja Changoiwala

B. Ruchira Gupta

C. Priyanka Mookerjee

D. Roopa Pai

Answer: D



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23. With which country India celebrated its 25th year of diplomatic ties in 2017 ?

A. France

B. Russia

C. Israel

D. China

Answer: C



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24. Which Asian country has opened "Duge Bridge" (world's highest road bridge) for such in year 2016 ?

A. China

B. Russia

C. Japan

D. India

Answer: A



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QUANTITATIVE APTITUDE

1. Which one is the largest among the fractions

$$\left(\frac{5}{113}\right), \left(\frac{7}{120}\right), \left(\frac{13}{145}\right) \text{ and } \left(\frac{17}{160}\right)$$

?

A. $\frac{5}{113}$

B. $\frac{7}{120}$

C. $\frac{13}{145}$

D. $\frac{17}{160}$

Answer: D



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2. Nimit can do $\frac{2}{3}$ rd of a job in 18 days.

Kashish is twice as efficient as Nimit. In how many days will kashish complete the job ?

A. $\frac{29}{4}$

B. $\frac{27}{2}$

C. $\frac{31}{2}$

D. $\frac{13}{2}$

Answer: B



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3. 40 men took a dip in a pool 30 metre long and 25 meter broad. If the average water

displaced by a man is 5 meter^3 , what will be the rise (in cm) in the water level of the pool ?

A. 25

B. 26.66

C. 27.33

D. 28

Answer: B



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4. An article is listed at Rs. 2375. A man purchases it at two successive discounts of 50 % and 25 % and spends Rs. 165 on repairing of article. If he sells the article at a profit of 62.5 % , what is the selling price (in Rs.) of the article ?

A. 1467.6

B. 1492.6

C. 1715.39

D. 1467.6

Answer: C



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5. The length, breadth and height of a cuboid are in the ratio $19 : 11 : 13$. If length is 30 cm more than height, then what is the volume (in cm^3) of this cuboid ?

A. 81510

B. 89665

C. 195300

D. 339625

Answer: D



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6. Average age of a team having 12 players is 23 years. If the age of the coach is also included, then the average age increases by 2 years. What is the age (in years) of the coach ?

A. 41

B. 47

C. 49

D. 51

Answer: C



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7. An item is sold at two successive gains of 30% and 20% . If the final selling price is Rs. 31200, of the item what is the cost price (in Rs.) of the item ?

A. 15000

B. 20000

C. 22250

D. 24000

Answer: B



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8. The number of trees in a town is 17640. If the number of trees increases annually at the rate of 5 % , how many trees were there 2 years ago ?

A. 1400

B. 15000

C. 16000

D. 19450

Answer: B



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9. Aman and Kapil start from Delhi and Gwalior respectively towards each other at the same time. They meet at Mathura and then take 196 minutes and 225 minutes respectively to reach Gwalior and Delhi. If

speed of Aman is 30 km/hr, what is the speed
(in km/hr) or Kapil ?

A. 28

B. 30

C. $\frac{225}{7}$

D. $\frac{392}{15}$

Answer: A



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10. The simple interest on a sum of money for 10 years is Rs. 3130. If the principal becomes 5 times after 5 years, what will be the total interest (in Rs.) obtained after 10 years

A. 6260

B. 7825

C. 9390

D. 15650

Answer: C



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11.

If

$$\frac{11 - 13x}{x} + \frac{11 - 13y}{y} + \frac{11 - 13z}{z} = 5,$$

then what is the value of $\frac{1}{x} + \frac{1}{y} + \frac{1}{z}$?

A. 1

B. $\frac{13}{11}$

C. $\frac{13}{5}$

D. 4

Answer: D



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12. If $2x + \left(\frac{9}{x}\right) = 9$, what is the minimum value of $x^2 + \left(\frac{1}{x^2}\right)$?

A. $\frac{95}{36}$

B. $\frac{97}{36}$

C. $\frac{86}{25}$

D. $\frac{623}{27}$

Answer: B



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13. If $\frac{(5x - y)}{(5x + y)} = \frac{3}{7}$, what is the value of $\frac{(4x^2 + y^2 - 4xy)}{(9x^2 + 16y^2 + 24xy)}$?

A. 0

B. $\frac{3}{7}$

C. $\frac{18}{49}$

D. $\frac{1}{6}$

Answer: A



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14.

If

$$(x + y)^2 = xy + 1 \text{ and } x^3 - y^3 = 1,$$

what is the value of $(x - y)$?

A. 1

B. 0

C. -1

D. 2

Answer: A



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15. ABCD is a parallelogram which $AB = 7\text{cm}$, $BC = 9\text{cm}$ and $AC = 8\text{cm}$.
What is the length (in cm) of other diagonal ?

A. 14

B. $14\sqrt{2}$

C. 7

D. $7\sqrt{2}$

Answer: A



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16. How many diagonals are there in a octagon ?

A. 12

B. 14

C. 20

D. 24

Answer: C



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17. A square is inscribed in a quarter circle in such a way that two of its adjacent vertices on the radius are equidistant from the centre and other two vertices lie on the circumference. If the side of square is $\sqrt{\frac{5}{2}}$ cm, then what is the radius (in cm) of the circle ?

- A. 2
- B. 2.5
- C. 5
- D. 10

Answer: B



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18. If $\sec^2 \theta + \tan^2 \theta = \frac{5}{3}$, what is the value of $\tan 2\theta$?

A. $2\sqrt{3}$

B. $\sqrt{3}$

C. $\frac{1}{\sqrt{3}}$

D. cannot be determined

Answer: B



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19. A tower is broken at a point P above the ground. The top of the tower makes an angle 60° with the ground at Q. From another point R on the opposite side of Q angle of elevation of point P is 30° . If $QR = 180$ meter, what is the total height (in meter) of the tower ?

A. 90

B. $45\sqrt{3}$

C. $45(\sqrt{3} + 1)$

D. $45(\sqrt{3} + 2)$

Answer: D



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20.

If

$$\sin \theta + \sin 5\theta = \sin 3\theta \text{ and } 0 < \theta < \left(\frac{\pi}{2}\right),$$

what is the value of θ (in degrees) ?

A. 30

B. 45

C. 60

D. 75

Answer: A



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ENGLISH COMPREHENSION

1. In the following questions, some part of a sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No error'

My elder son deals with

A. spare parts and manages

B. his bread and butter.

C. No Error

D. 4

Answer: A



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2. In the following questions, some part of a sentence may have errors. Find out which part of the sentence has an error and select the

appropriate option. If a sentence is free from error, select 'No error'

Sneha was accused for murder of her husband

- A. but the court found her
- B. not guilty and acquitted her
- C. No Error
- D. 4

Answer: A



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3. In the following questions, each sentence given with blanks is to be filled in with an appropriate word. Select the correct alternative out of the four.

My sister's marriage passed peacefully.

A. away

B. by

C. off

D. out

Answer: C



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4. In the following questions, each sentence given with blanks is to be filled in with an appropriate word. Select the correct alternative out of the four.

There are “ _ _ ” books on computer science in your school library, so you need to purchase them from the market.

A. a few

B. a little

C. few

D. the few

Answer: C



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5. In the following questions, out of the four alternatives, select the word similar in meaning to the word given.

Atrocity

A. Difficulty

B. Barbarity

C. Shy

D. Gloomy

Answer: B



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6. In the following questions, out of the four alternatives, select the word similar in meaning to the word given.

Procrastinate

A. Divert

B. Deceive

C. Debase

D. Delay

Answer: D



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7. In the following questions, out of the four alternatives, select the word opposite in meaning to the word given.

Raucous

A. Dulcet

B. Hoarse

C. Jarring

D. Torrent

Answer: A



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8. In the following questions, out of the four alternatives, select the word opposite in

meaning to the word given.

Predilection

A. Inclination

B. Enduring

C. Enmity

D. Domicile

Answer: C



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9. In the following questions, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase.

A wild goose chase

- A. Fruitful search
- B. Timely search
- C. Useless search
- D. Wrong decision

Answer: C



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10. In the following questions, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase.

A moot point

A. Agreeable

B. Disputed

C. Unclear

D. Unknown

Answer: B



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11. Improve the bracketed part of each sentence.

The Chairman appointed her (as a secretary) as she is efficient.

- A. a secretary
- B. as secretary
- C. secretary
- D. No improvement

Answer: D



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12. Improve the bracketed part of each sentence.

I wish I (was) a superman.

A. am

B. have been

C. were

D. No Improvement

Answer: C



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13. In the following questions, out of the four alternatives, select the alternative which is the best substitute of the phrase.

One who is honourably discharged from service

A. Belligerent

B. Emeritus

C. Truant

D. Mercenary

Answer: B





14. In the following questions, out of the four alternatives, select the alternative which is the best substitute of the phrase.

A perception without objective reality

- A. Cynicism
- B. Hallucination
- C. Illusion
- D. Optimism

Answer: B



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15. In the following questions, four words are given out of which one word is incorrectly spelt. Find the incorrectly spelt word.

A. Anxiety

B. Believe

C. Height

D. Pelty

Answer: D



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16. In the following questions, four words are given out of which one word is incorrectly spelt. Find the incorrectly spelt word.

A. Admitted

B. Benefited

C. Married

D. Offered

Answer: D



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17. The questions below consist of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

P. Granted, political defection is increasingly less an act of ideological defiance than one of pure opportunism.

Q. Yet, for all its flaws, the current law recognizes and respects one fundamental principle: The right to dissent.

R. A blanket ban on defection will weaken

rather than strengthen democracy, in whose name it is being sought to be imposed

S. Granted also that it is 11 logical to allow a third of the party to split but not in a lesser number.

A. RPSQ

B. PSRS

C. RSPO

D. PRSO

Answer: A



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18. The questions below consist of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

P. As difficult as it may be to recognize what it is inside us that is making us respond with negativity, that is the path towards forgiveness.Q. This will automatically change your relationship with the other person and you will feel much better.

R. We need to recognize our reaction to the other person as a mirror of something in ourselves.

S. Whatever, the issues might be, once you have discovered them, you can work on forgiving yourself.

A. SORP

B. SRQP

C. ROPS

D. RPSQ

Answer: A



19. In the following question, a sentence has been given in *Active/Passive* voice. Out of four alternatives suggested, select the one which best expresses the same sentence in *Passive/Active* voice.

After driving Dr. Bose to the hospital he dropped him at his guest house.

- A. After being driven to the hospital Dr. Bose was dropped at his guest house.

B. After he had driven Dr. Bose to the hospital he had dropped him at his guest house.

C. After he was driving Dr. Bose to the hospital he was dropping him at his guest house.

D. Dr. Bose was being driven to the hospital first and then he was being dropped at his guest house.

Answer: D





20. In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.

I said to my friends, "let us go to a picnic for a change".

A. I asked my friends if they would go to a picnic for a change.

B. I asked my friends to go to a picnic for a change.

C. I permitted my friends to go to a picnic for a change.

D. I suggested to my friends that we should go to a picnic for a change.

Answer: A



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21. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank numbered out of the four alternatives. Literature is a through which a person conveys his ideas towards or protest

A. base

B. medium

C. source

D. subject

Answer: D



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22. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank numbered out of the four alternatives. Literature is a different norms of society. The words that deal with a

A. against

B. for

C. in

D. off

Answer: A



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23. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank numbered out of the four alternatives. Literature is a

Issue are of particular importance in literature.

They are

A. broad

B. insensitive

C. moral

D. economical

Answer: C



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24. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank numbered out of the four alternatives. Literature is a _____ with a particular purpose in _____

A. brought

B. founded

C. represented

D. written

Answer: D



25. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank numbered out of the four alternatives. Literature is a

- A. all
- B. hand
- C. mind
- D. total

Answer: C



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