Prepp

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Section General Intelligence

1. Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.
H__EPCK__CDEP_KFHC_EPC_F
A. DCFHFDD   B. CDHHDCK
C. CDFHCDK   D. CCFHKDK
Ans. C

2. 'Glaucoma' is related to 'Eyes' in the same way as 'Arthritis' is related to _____'
A. Liver   B. Joints
C. Ears   D. Arteries
Ans. B

3. In a code language, ELECTION is written as DKDBSHNM. How will EXAMPLE be written in the same language?
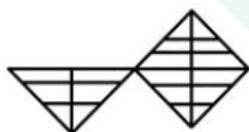A. FWZLOKD   B. DWZLOKD
C. DYZLOKD   D. DWZLOKF
Ans. B

4. Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.
7:729
A. 8:1000   B 4:64
C. 5:125   D. 6:343
Ans. A

5. How many triangles are present in the following figure?

A. 27   B. 29
C. 31   D. 30
Ans. B

6. Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.
Fan : Electricity Arts is
A. Cooler : Water   B. Petrol : Fuel
C. Bike : Kick   D. Vehicles : Diesel
Ans. D

7. Three of the following four words are alike in a certain way and one is different. Pick the odd word out.
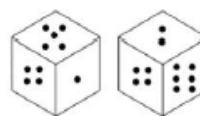A. Bleat   B. Croak
C. Bark   D. Larva
Ans. D

8. The total age of a mother and her son is 60 years. The difference between their ages is 30 years. Find out the age of the mother.
A. 50 years   B. 45 years
C. 35 years   D. 40 years
Ans. B

9. Two different positions of the same dice are shown. How many dots will be on the top if four dots are at the bottom?

A. 3   B.
C. I   D.1
Ans. A

10. 'A + B' means 'A is the brother of B'.
'A - B' means 'A is the husband of B'.
'A x B' means 'A is the mother of B'.
'A ÷ B' means 'A is the sister of B'.
If P + R ÷ T – K×O × C, then how is P related to O?
A. Paternal Grandfather
B. Father
C. Paternal Uncle
D. Brother
Ans. C

11. Which two signs should be interchanged to make the given equation correct?
20 + 5 3 ÷ 3 – 1 = 14
A. ÷ and + X   B. x and –
C. x and +   D. ÷ and x
Ans. A

12. In a code language, ELASTIC is written as DOHVFLW. How will SMARTER be written as in that language?
A. DPVTUGW   B. DOTUUHX

Ans. D

13. If MAGENTA is coded as 1317514201, then how will VISCOUS be coded as?

A. 218193162018   B. 229193152119

C. 239203152219   D. 228193142118

Ans. B

14. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

CQHL : FTEI OPAR : ?

A. RTYO   B. RSXO

C. RSXP   D. YTXO

Ans. B

15. Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.

A.   B.

C.   D.

Ans. A

16. Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

A. 173   B. 179

C. 181   D. 183

Ans. D

17. Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

A. BCEH   B. KLNQ

C. TUWZ   D. LMPS

Ans. D

18. Select the option in which the given figure (X) is embedded (rotation not allowed).

A.   B.

C.   D.

Ans. B

19. Arrange the following in a logical and meaningful order.

A. World Cup semi-final matches

B. World Cup finals match

C. Organising the World Cup

D. Finalising the participating teams 5. Winner of the World Cup

A. 5, 2, 3, 1, 4   B. 4, 1, 2, 3, 5

C.4,3,1,2,5 1   D. 4, 1, 3, 2, 5

Ans. C

20. There are fourteen teams playing in a tournament. If every team plays one match with every other team, how many matches will be played in the tournament?
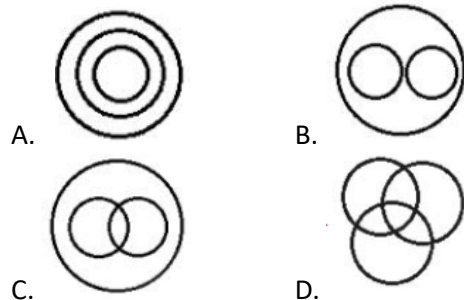
A. 66   B. 78

C. 91   D. 101

Ans. C

21. Select the letter cluster that will come next in the following series.
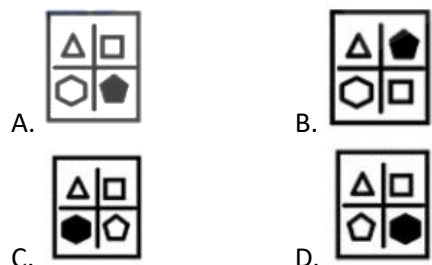
DOP, FPN, HQL, JRJ, ?

A. LSH   B. LSI

C. KSH   D. KTI

Ans. A

22. Select the Venn diagram that best illustrates the relationship between the following classes.

A.

B.

C.

D.

Ans. C

23. Select the figure that will come next in the following figure series.

A.

B.

C.

D.

Ans. A

24. Select the correct mirror image of the given combination when the mirror is placed to the right.

UKR4edm8

A.

B.

C.

D.

Ans. B

25. Two statements are given, followed by three conclusions numbered I, II and Ill. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All breads are cakes.

All eggs are cakes.

Conclusions:

I. Some cakes are breads.

II. Some breads are eggs.

Ill. No bread is an egg.

A. All the conclusions follow.

B. Conclusion I and either conclusion II or III follow.

C. Only conclusions I and II follow.

D. Only conclusions I and III follow.

Ans. B

Section: General Awareness

1. Oman author Joka Alharthi won the '2019 Man Booker International Prize' for which of the following novels?

A. Celestial Bodies   B. Milkman

C. The Pine Islands   D. The Years

Ans. A

2. Which emperor's army did Maharana Pratap fight in the Battle of Haldighati?

A. Mahmud Shah   B. Humayun

C. Ibrahim Lodi   D. Akbar

Ans. D

3. What is the rank of India on Human Development Index 2018?

A. 181   B. 130

C. 210   D. 21

Ans. B

4. Who among the following invented the computer language, COBOL?

A. Grace Murray Hopper

B. John McCarthy

C. Guido van Rossum

D. Brendan Eich

Ans. A

5. According to Census 2011, which state has the highest density of population?

A. West Bengal
B. Bihar
C. Uttar Pradesh
D. Maharashtra

Ans. B

6. _____ is a metamorphic rock form characterised by banding caused by segregation of different types of rock, typically light and dark silicates

A. Gneiss
B. Quartzite
C. Slate
D. Marble

Ans. A

7. Which of the following is the highest award (in the order of precedence) for military services in India?

A. Kirti Chakra
B. Ashok Chakra
C. Veer Chakra
D. Param Vir Chakra

Ans. D

8. India lifted South Asian Football Federation SAFF Women's Championship for how many times in a row in March 2019?

A. 6th
B. 5th
C. 3rd
D. 4th

Ans. B

9. As per the Constitution of India, Panchayats at the intermediate level may NOT be constituted in a State having a population not exceeding:

A. Thirty lakhs
B. Forty lakhs
C. Ten lakhs
D. Twenty lakhs

Ans. D

10. Which one of the following is a monetary principle stating that "bad money drives out good"?

A. Pareto efficiency
B. The multiplier effect
C. Marshall's scissors analysis
D. Gresham's law

Ans. D

11. To which state does the traditional folk dance 'Gotipua' belong?

A. West Bengal
B. Odisha
C. Bihar
D. Chhattisgarh

Ans. B

12. Kolleru Lake which is one of the largest freshwater lakes in India is located in which state?

A. Jammu & Kashmir
B. Andhra Pradesh
C. Manipur
D. Rajasthan

Ans. B

13. The power to enquire into and decide all doubts and disputes arising out of election of the President is vested in:

A. The Chairman of Rajya Sabha
B. The Prime Minister of India
C. The Supreme Court
D. The Election Commission

Ans. C

14. Deficiency of which of the following nutrients is the most common cause of goiters?

A. Iron
B. Vitamin
C. Calcium
D. Iodine

Ans. D

15. Second generation computers can be characterised largely by their use of _____

A. Integrated circuits
B. Vacuum tubes
C. Microprocessors
D. Transistors

Ans. D

16. In the famous Rohilla War in the year 1774, the Rohillas were defeated by the Nawab of Awadh named:

A. AsifJah Mirza
B. Asaf-ud-Daula
C. Yamin-ud-Daula
D. Shuja-ud-Daula

Ans. D

17. Which force helps swimmers float in water?

A. Muscular force
B. Frictional force
C. Buoyant force
D. Magnetic force

Ans. C

18. Which is the new state bird of Andhra Pradesh declared by the State Government in June 2018?

A. Sarus Crane
B. Great Hornbill
C. Rose-ringed Parrot
D. Black Crested Bulbul

Ans. C

19. On which river is Polavaram irrigation project being built?

A. Son   B. Tungabhadra

C. Godavari   D. Kaveri

Ans. C

20. Which country won the '2019 Sultan Azlan Shah Cup Hockey' title?

A. South Korea   B. Malaysia

C. Australia   D. India

Ans. A

21. Who among the following was awarded the third Sayaji Ratna Award in November 2018 which has been established in the memory of erstwhile Baroda ruler Sayajirao Gaekwad III?

A. Mohanlal   B. Shiv Nadar

C. Amitabh Bachchan   D. Azim Premji

Ans. C

22. Which of the following places is famous for Chikankari embroidery?

A. Indore   B. Hyderabad

C. Chennai   D. Lucknow

Ans. D

23. As of May 2019, which player has scored the most international runs in the world in all the three formats (Test Match, ODI Match and T-20 Match) of cricket combined?

A. Ricky Pouting   B. Virat Kohli

C. Sachin Tendulkar   D. Don Bradman

Ans. C

24. Who was recently elected as the President of Indonesia for the second term?

A. Susilo Bambang Yudhoyono

B. Megawati Sukarnoputri

C. Abdurrahman Wahid

D. Joko Widodo

Ans. D

25. Which day has been proclaimed as The International Day for Biological Diversity (IDB) to increase understanding and awareness of biodiversity issues by The United Nations?

A. 18 Oct   B. 10 November

C. 24 Apr   D. 22 May

Ans. D

Section: Quantitative Aptitude

1. Two trains of equal length travelling in opposite directions at 72 km/h and 108 knit cross each other in 10 seconds. In how much time (in seconds) does the tint train cross a platform of length 350 m?

A. 30   B. 32

C. 36   D. 24

Ans. A

2. If $x + y + z = 19$, $x^2 + y + z^2 = 133$ then the value of $x^3 + y^3 + z^3 - 3xyz$ is:

A. 361   B. 342

C. 380   D. 352

Ans. A

3. If $8 (x + 37)^3 - (x - y)^3 = (x + 3y)(Ax^2 + Bxy + Cy^2)$. then the value of $(A - B - C)$ is:

A. – 2   B. – 6

C. 10   D. 14

Ans. A

4. An article is sold for Rs. x. If it is sold at $33\frac{1}{2}$ of this price. there is a loss of 20%. What is the percentage profit when it is sold for Rs. x?

A. 140   B. 125

C. 130   D. 120

Ans. A

5. What is the simplified value of

$5 \div 10$ of $10 \times 4 + 4 \div 4$ of $4 \times 10 - (10 - 4) \div 16$ x4 = ?

A. 1.2   B. 2.5

C. 21   D. 58.5

Ans. A

6. In a class of SO students. the ratio of the urban to the rural is 5 : 3 Ina test, the average score of the rural students is 40% more than that of the urban students. If the average score of all the

students is 69, then what is the average score of the rural students?

A. 80 B. 76
C. 92 D. 84

Ans. D

7. The compound interest on a certain sum for 3 years at 15% p.a., interest compound yearly, is Rs. 24167. What is the simple interest on the same sum in $4\frac{4}{5}$ years at the some rate?

A. Rs. 6144 B. Rs. 6000
C. Rs. 4800 D. Rs. 5760

Ans. D

8. The given Bar Graph presents Income and Expenditure (in crores of Rupees) of a company for the five years, 2014 to 2018.

Income and Expenditure (in a crores) of a company in 5 Years

The average Income (per year) of the company in five years is what percentage more than its Expenditure in 2015?

A. 2D.2 B. 20.8
C. 24.6 D.22.4

Ans. B

9. In Δ ABC. AD is the bisector of ∠BAC. meeting BC at D. If AC = 21 cm. BC = 12 cm and the length of BD is 2cm less than DC. then the length of side AB is:

A. 14 cm B. 15 cm
C. 18 cm D. 10 cm

Ans. B

10 The value of

$$\frac{tan^2 30° + \dfrac{1}{4} sin^2 90° + \dfrac{1}{8} cot^2 60^o + sin^2 30° \; cos^2 45°}{\sin 60^o cos 30° - \cos 60° sin 30°}$$

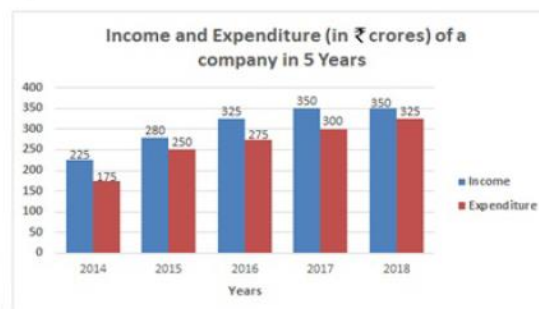A. $1\frac{3}{4}$ B. 4

C. $2\frac{1}{2}$ D. $3\frac{1}{2}$

Ans. D

11. If

$$\left(\frac{1}{1+\cos ec\theta} - \frac{1}{1-\cos ec\theta}\right)\cos\theta = 2, 0^o < \theta < 90^o$$

then the value of $sin^2\theta + cot^2\theta + sec^2\theta$ is:

A. 1 B. $2\frac{1}{2}$

C. $3\frac{1}{2}$ D. 2

Ans. C

12. The given Bar Graph presents Income and Expenditure (in crores of Rupees) of a company for the five years. 2014 to 2018.

The total Income of the company in 2015, 2017 and 2018 is approximately what percent less than the total Expenditure in the five years?

A. 26 B. 22
C. 24 D. 21

Ans. A

13. In a Δ ABC. D and E are two points on sides AB and BC. respectively such that AD : DB = 2 : 3 and DE || AC. If the area of LADE is equal to 18 cm², then what is the area (in cm²) of Δ ABC?

A. 40.5   B. 75

 C. 54   D. 45

Ans. B

14. If a 10-digit number 46789 × 531y is divisible by 72, then the value of (2x + 5y) for the hugest value of x is:
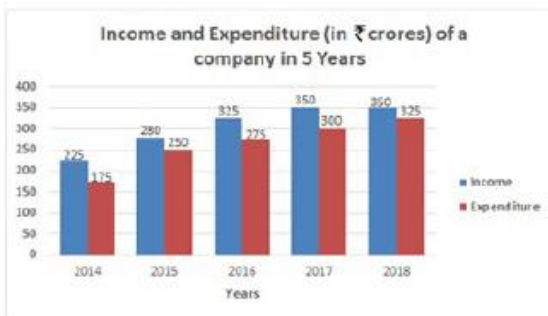
A. 28   B. 16

C. 10   D. 38

Ans. A

15. The given Bar Graph presents Income and Expenditure (in crores of Rupees) of a company for the five years, 2014 to 2018.

In which year is the Expenditure more than 40% as compared to the Expenditure in the previous year?

A. 2016   B. 2015

C. 201S   D. 2017

Ans. B

16. A man gets a discount of 30% and then 20% on his food bill of Rs. 1,250. How much amount does he has to pay?

A. Rs.700   B. Rs.550

C. Rs.350   D. Rs.500

Ans. A

17. 18 men can complete a work in 9 days. After they have worked for 5 days, 6 more men join them. How many days will they take to complete the remaining work?

A.3   B. $2\dfrac{1}{2}$

C. 2   D. $3\dfrac{1}{2}$

Ans. A

18. The given Bar Graph presents Income and Expenditure (in crores of Rupees) of a company for the five years, 2014 to 2010.

What is the ratio of total Expenditure to total Income of the company in 201D. 2016 and 2017?

A. 13 : 18   B. 3 : 4

C. 15 : 16   D. 5 : 6

Ans. D

19. An article is sold for Rs.360 after allowing discount of 20% on its marked price. Had the discount not been allowed, the profit would have been 50%. The cost price of the article is:

A. Rs.320   B. Rs.300

C. Rs.360   D. Rs.350

Ans. B

20. Ina circle with centre O, a diameter AB and a chord CD intersect each other at E. AC and AD are joined. If ∠BOC = 48° and ∠AOD = 100°, then what is the measure of ∠CEB ?

A. 72°   B. 74°

C. 78°   D. 82°

Ans. B

21. If tan x = cot (60° + 6x), then what is the value of x?

A. 10°   B. $\dfrac{30^{o}}{7}$

C. $\dfrac{15^{o}}{2}$ D. 12°

Ans. B

22. $9a^2 + 16b^2 + c^2 + 25 = 24$

A. 9   B. 6
C. 7   D. 10
Ans. C

23. The length of a rectangular park is 20 m more than its breadth. If the cost of fencing the park at Rs.53 per metre is Rs. 21200 then what is the area (in m²) of the park?

A. 9504   B. 8925
C. 9240   D. 9900
Ans. D

Q.24 Let

$$\triangle ABC \sim \triangle QPR \ and \ \frac{ar(\triangle ABC)}{ar(\triangle PQR)} = \frac{9}{4}.$$

If AB = 12 cm. BC = 6 cm and AC = 9 cm. then QR is equal to:

A. 15 cm   B. 9 cm
C. 6 cm   D. 12 cm
Ans. C

25. The price of an article increases by 20% every year. If the difference between the prices at the end of third and fourth years is Rs.259,20. then 40% of the price (in Rs.) at the end of second year is:

A. 484   B. 432
C. 384   D. 472
Ans. B

Section: English Language

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

The civic bodies in the capital have formed teams to crack down on coaching centres found violated a law.

A. found to violated a law
B. No improvement
C. finding to violate the law
D. found violating the law
Ans. D

2. Select the most appropriate meaning of the given idiom.

Going over ones head

A. unable to take a decision
B. beyond one's capacity to understand
C. unable to function as one used to
D. something one didn't expect
Ans. D

3. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A. The subjects taught in the Gurukul varied from Sanskrit to Mathematics.
B. Indian education has its roots in the ancient ages.
C. However this system changed when the British came to India.
D. In those days the Gurukul system was followed.

A. DCAB   B. BCAD
C. CBAD   D. BDAC
Ans. D

4. Select the word which means the same as the group of words given. An instrument used for measuring atmospheric pressure

A. thermometer   B. voltmeter
C. altimeter   D. barometer
Ans. D

5. Select the most appropriate word to fill in the blank.] In view of his transfer to a far off place, he had to_____ his promotion.

A. resign   B. claim
C. assert   D. forgo
Ans. D

6. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

The Urban Art Commission has suggested that the landscape be developing by adding water fountains around the sculpture.

A. be developed with

B. to be developed by

C. No improvement

D. be developed by

Ans. D

7. In the sentence identify the segment which contains the grammatical error. Mrs. Sangeeta Malik is one of the favourite teacher of most children in our school.

A. Mrs. Sangeeta Malik is

B. of most children

C. one of the favourite teacher

D. in our school

Ans. C

8. Select the most appropriate word to fill in the blank.

The prisoner held up his fist in a defiant _____as he was led out of the courtroom.

A. wave   B. gesture

C. salute   D. token

Ans. B

9. Select the correct passive form of the given sentence.

The new gardener looks after the plants well.

A. The plants looked after well by the new gardener.

B. The plants were looked after well by the new gardener.

C. The plants are looked after well by the new gardener.

D. The new gardener is looked after well by the plants.

Ans. C

10. In the sentence identify the segment which contains the grammatical error.

I expect to return from Singapore during about a week's time.

A. I expect to return

B. during about

C. a week's time

D. from Singapore

Ans. B

Comprehension: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Every morning, nine-year old Khushi becomes guardian to her five-year old sister Ankita as (1) _____ hold hands and cross the railway tracks to (2) _____ the school. The sisters leave home (3) 7 am with school bags larger (4) _____ their torsos. The 2 km route they walk on foot to reach school (5) _____ includes walking past a railway crossing and through the lanes of an industrial area used by mini trucks and carrier vehicles.

SubQuestion No: 11

11. Select the most appropriate option for blank No. 1.

A. them   B. she

C. they   D. we

Ans. C

Comprehension: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Every morning, nine-year old Khushi becomes guardian to her five-year old sister Ankita as (1) _____ hold hands and cross the railway tracks to (2) _____ the school. The sisters leave home (3) _____ 7 am with school bags larger (4) _____ their torsos. The 2 km route they walk on foot to reach school (5) _____ includes walking past a railway crossing and through the lanes of an industrial area used by mini trucks and carrier vehicles.

SubQuestion No: 12

12. Select the most appropriate option for blank No. 2.

A. reach   B. arrive

C. go   D. come

Ans. A

Comprehension: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Every morning, nine-year old Khushi becomes guardian to her five-year old sister Ankita as (1) _____ hold hands and cross the railway tracks to (2) _____ the school. The sisters leave

home (3) _____ 7 am with school bags larger (4) _____ their torsos. The 2 km route they walk on foot to reach school (5) includes walking past a railway crossing and through the lanes of an industrial area used by mini trucks and carrier vehicles.

SubQuestion No: 13

13. Select the most appropriate option for blank No. 3.

A. at   B. on
C. from   D. in
Ans. A

Comprehension: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Every morning, nine-year old Khushi becomes guardian to her five-year old sister Ankita as (1) _____ hold hands and cross the railway tracks to (2) _____ the school. The sisters leave home (3) _____ 7 am with school bags larger (4) _____their torsos. The 2 km route they walk on foot to reach school (5) _____includes walking past a railway crossing and through the lanes of an industrial area used by mini trucks and carrier vehicles.

SubQuestion No: 14

14. Select the most appropriate option for blank No. 4.

A. than   B. to
C. with   D. from
Ans. A

Comprehension: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Every morning, nine-year old Khushi becomes guardian to her five-year old sister Ankita as (1) _____ hold hands and cross the railway tracks to (2) _____ the school. The sisters leave home (3) _____ 7 am with school bags larger (4) _____ their torsos. The 2 km route they walk on foot to reach school (5) _____ includes walking past a railway crossing and through the lanes of an industrial area used by mini trucks and carrier vehicles.

SubQuestion No: 15

15. Select the most appropriate option for blank No. 5.

A. hardly   B. daily
C. widely   D. evenly
Ans. B

16. Select the wrongly spelt word.

A. nerve   B. neglect
C. negative   D. nerveous
Ans. D

17. Select the most appropriate synonym of the given word.

THWART

A. impeue   B. aid
C. support   D. face
Ans. A

18. Select the correct indirect form of the given sentence.

Father said to me, "Are you going to keep me waiting all night?'

A. Father asked me if you were going to keep him waiting all night.

B. Father told me that you are going to keep him waiting all night.

C. Father asked me are you going to keep me waiting all night.

D. Father asked me if I was going to keep him waiting all night.

Ans. D

19. Select the word which means the same as the group of words given.

The study of human history and prehistory through the excavation of sites

A. archaeology   B. psephology

C. anthropology   D. geology

Ans. A

20. Select the most appropriate antonym of the given word.

INSTANT

A. immediate   B. current

C. quick   D. delayed

Ans. D

21. Select the most appropriate synonym of the given word.

HANDY

A. hard   B. convenient

C. useless   D. clumsy

Ans. B

22. Select the wrongly spelt word.

A. reproduce   B. reverse

C. require   D. resembel

Ans. D

23. Select the most appropriate antonym of the given word.

RESERVED

A. placid   B. communicative

C. quiet   D. modest

Ans. B

24. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A. At this speed the rocket soon attained the height of 190 miles above the earth. B. At 9 am the great rocket lifted in the air with a mighty roar. C. It rose smoothly at first, then quickened to a speed of 17,500 miles an hour. D. Gagarin now pulled himself towards the window to look down.

A. ADBC   B. CBAD

C. BCAD   D. BADC

Ans. C

25. Select the most appropriate meaning of the given idiom.

Mad as a hatter

A. superstitious   B. very upset

C. eccentric   D. old fashioned

Ans. C

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