

Class- IX

Subject: General Aptitude

Time- 30 mts.

MM-25

1. Tick the correct answers.
2. Each question carry one mark.

-
1. What will be the least number which when doubled will be exactly divisible by 12, 18, 21 and 30 ?
(a) 196 (b) 630 (c) 1260 (d) 2520
 2. In the following questions choose the word which best expresses the meaning of the given word.

CORPULENT

- a. Lean
 - b. Gaunt
 - c. Emaciated
 - d. Obese
3. The sum of the digits of a two-digit number is 15 and the difference between the digits is 3. What is the two-digit number?
(a) 69 (b) 78 (c) 96 (d) can't be Determined
 4. In the following questions choose the word which best expresses the meaning of the given word.

VENT

- a. Opening
 - b. Stodge
 - c. End
 - d. Past tense of go
5. In a box, there are 8 red, 7 blue and 6 green balls. One ball is picked up randomly. What is the probability that it is neither red nor green?
(a) $1/3$ (b) $3/4$ (c) $7/19$ (d) $8/21$
 6. In the following questions choose the word which is the exact **OPPOSITE** of the given words.

ARTIFICIAL

- a. Red
 - b. Natural
 - c. Truthful
 - d. Solid
7. Find out the wrong number in the given sequence of numbers 6, 13, 18, 25, 30, 37, 40.
(a) 25 (b) 30 (c) 37 (d) 40
 8. In the following questions choose the word which is the exact **OPPOSITE** of the given words.

ENORMOUS

- a. Soft
 - b. Average
 - c. Tiny
 - d. Weak
9. Fill the blank in the series
DEF, DEF₂, DE₂F₂, _____, D₂E₂F₃
(a) DEF₃ (b) D₃EF₃ (c) D₂E₃F (d) D₂E₂F₂
 10. In questions given below out of four alternatives, choose the one which can be substituted for the given word/sentence.
That which cannot be corrected
 - a. Unintelligible
 - b. Indelible

- c. Illegible
d. Incurable
11. Fill the blank in the series
QAR, RAS, SAT, TAU, _____
(a) UAV (b) UAT (c) TAS (d) TAT
12. In questions given below out of four alternatives, choose the one which can be substituted for the given word/sentence.
A person of good understanding knowledge and reasoning power
a. Expert
b. Intellectual
c. Snob
d. Literate
13. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:
(a) 588 apples (b) 600 apples (c) 672 apples (d) 700 apples
14. Pick out the most effective word(s) from the given words to fill in the blank to make the sentence meaningfully complete.
The miser gazed at the pile of gold coins in front of him.
a. avidly
b. admiringly
c. thoughtfully
d. earnestly
15. The population of a town increased from 1,75,000 to 2,62,500 in a decade. The average percent increase of population per year is:
(a) 4.37% (b) 5% (c) 6% (d) 8.75%
16. Pick out the most effective word(s) from the given words to fill in the blank to make the sentence meaningfully complete.
The grapes are now enough to be picked.
a. ready
b. mature
c. ripe
d. advanced
17. Choose the alternative which is closely resembles the mirror image of the given combination.

ANS43Q12

- (1) AN24E01S (2) S10E42NA
(3) 2NA340S1 (4) 1204EANS

- (a) 1 (b) 2 (c) 3 (d) 4
18. Which of phrases given below each sentence should replace the phrase printed in **bold** type to make the grammatically correct? If the sentence is correct as it is, mark 'E' as the answer.
There are not many men who are so famous that they are frequently referred to by their **short names** only
a. initials
b. signatures
c. pictures
d. middle names
e. No correction required

19. Choose the alternative which is closely resembles the mirror image of the given combination.

247596

- (1) 695742 (2) 00074S
(3) S47000 (4) 00074S

- (a) 1 (b) 2 (c) 3 (d) 4

20. Which of phrases given below each sentence should replace the phrase printed in **bold** type to make the grammatically correct? If the sentence is correct as it is, mark 'E' as the answer.
The man **to whom I sold** my house was a cheat.
- to whom I sell
 - to who I sell
 - who was sold to
 - to whom I sold
 - No correction required
21. A good way to figure out the relationship in a given question is to make up a sentence that describes the relationship between the first two words. Then, try to use the same sentence to find out which of the answer choices completes the same relationship with the third word.
Window is to pane as book is to
- novel
 - glass
 - cover
 - page
22. A good way to figure out the relationship in a given question is to make up a sentence that describes the relationship between the first two words. Then, try to use the same sentence to find out which of the answer choices completes the same relationship with the third word.
Marathon is to race as hibernation is to
- winter
 - bear
 - dream
 - sleep
23. In each question, an incomplete statement (Stem) followed by fillers is given. Pick out the best one which can complete incomplete stem correctly and meaningfully.
Even if it rains I shall come means
- if I come it will not rain
 - if it rains I shall not come
 - I will certainly come whether it rains or not
 - whenever there is rain I shall come
 - I am less likely to come if it rains
24. In each question, an incomplete statement (Stem) followed by fillers is given. Pick out the best one which can complete incomplete stem correctly and meaningfully.
She never visits any zoo because she is strong opponent of the idea of
- setting the animals free into forest
 - feeding the animals while others are watching
 - watching the animals in their natural abode
 - going out of the house on a holiday
 - holding the animals in captivity for our joy
25. In the following the questions choose the word which best expresses the meaning of the given word.
- BRIEF**
- Limited
 - Small
 - Little
 - Short

1. Read the following passage:

Education is an essential part of our life. It not only helps us acquire knowledge and skills but also helps in building our character and values. Education plays an important role in our personal and professional development and is an investment in our future.

Education is an essential part of our life. It not only helps us acquire knowledge and skills but also helps in building our character and values. Education plays an important role in our personal and professional development and is an investment in our future.

Education has many benefits. It helps us understand the world around us and think critically and creatively. It also gives us the skills we need to succeed in the workforce and contribute to our communities. Education can open up new opportunities and give us a sense of accomplishment and self-satisfaction.

Additionally, education helps promote equality and social mobility. It gives individuals the tools and knowledge they need to rise out of poverty and achieve their full potential. Education is also a key factor in reducing discrimination and promoting understanding and tolerance between different cultures and groups.

In short, education is an important part of our lives and has the power to transform individuals and communities.

Answer the questions below

(5x2=10)

A. What is the importance of education in our lives?

B. Write some benefits of education.

C. How does education promote equality and social mobility?

D. How can education change individuals and communities?

E. Give a suitable title for the passage.

2. Complete the passage by choosing the correct option from those given below:

(.5x1/2=2.5)

There was a panel discussion on television (a)_____ news programmes. The host (b)_____ the topic and raised some questions. One of the participants, Alka, (c) _____ that though news programmes are (d)_____ us well informed, she felt that (e) _____ were too many of them. This made them repetitive and boring.

Another participant, Romy differed. He said that different news channels catered to different interests.

- | | | | |
|-----------------|---------------|----------------|-------------|
| a. 1. more | 2. for | 3. of | 4. about |
| b. 1. introduce | 2. introduced | 3. introducing | 4. Was |
| c. 1. saying | 2. says | 3. say | 4. said |
| d. 1. kept | 2. keep | 3. keeps | 4. keeping |
| e. 1. them | 2. there | 3. their | 4. There is |

3. The following passage has not been edited. Write the missing words in the sentences of the given paragraph along with the words that come before and the words that come after it in the space provides: :

(.5x1/2=2.5)

	Before	Missing word	After
Sleep also help our brain to store	a.		
a newly learned its memory	b.		
Bank. In study in Canada, students	c.		
Deprived sleep after learning complex learning games	d.		
Showed 30 per cent learning deficit when tested	e.		
A week later compared with students			
not deprived of sleep.			

4. Rearrange the following words and phrases to make meaningful sentences.

(5x1=5)

- A .healthy person/germs/a/carry/may/of/in/body/typhoid/his/cholera/dysentery/etc.
B .person/does not/such/usually/a/disease/suffer/the/from
C .people/however/who/intocontact/carrier/come/with/are/the/catching/danger/the/disease/ in/of

D . coloured bus/children/we saw/full of/a yellow/excited

E .algebra and / a week / me / geometry / twice / he taught

5. In India we face a common scene of a large family living in unhealthy conditions, specially in slums.

Write an article in 150 words on how increase in population leads to reduced availability of health services and deteriorating sanitary conditions. (5)

बिरला पब्लिक स्कूल पिलानी

कक्षा – 9 , विषय – हिंदी , सेट -1

समय – 30

पूर्णांक – 25

प्रश्न 1- निम्नलिखित शब्दों के दो – दो पर्यायवाची शब्द लिखिए –

2

1. नेत्र 2. वृक्ष

3 . रजनी 4. तड़ित

प्रश्न 2- निम्नलिखित शब्दों के विपरीतार्थक शब्द लिखिए – 2

1. प्रत्यक्ष 2. अपना

3. स्वार्थ 4. लोभी

प्रश्न 3- निम्नलिखित शब्दों के तद्भव शब्द लिखिए – 2

1. हस्त 2. अट्टालिका

3. लोचन 4. नृप

प्रश्न 4 - निम्नलिखित वाक्यांशों के लिए एक-एक शब्द लिखिए – 4

1. सोच विचार कर कार्य करने वाला

2. जिस पर कल का प्रभाव न पड़े

3. इन्द्रियों को जितने वाला

4. संगीत गाने वाला

प्रश्न 5 - निम्नलिखित शब्दों के कारक लिखिए – 2

1. हम खेल रहे हैं |

2. विवेक का लेख बहुत अच्छा है |

3. वह दुःख से बहुत दुखी था |

4. छत पर चिड़िया बैठी है |

प्रश्न 6- निम्नलिखित वाक्यों में विशेषण के भेद लिखिए – 2

1. गाड़ी प्लेटफार्म पर अचानक आ गई |

2. वह दुध बहुत पीता है |

3. कविता हरे कपड़ें पहने है |

4. मैं नवी कक्षा के लिए परीक्षा दे रहा हूँ |

प्रश्न 7- निम्नलिखित शब्दों का विग्रह करके समास का नाम लिखिए – 2

1. गिरिधर

2. सुलोचना

प्रश्न 8 – निम्नलिखित मुहावरों का वाक्यों में प्रयोग करके लिखिए –

2

1. पानी – पानी होना
2. नजरें झुकना

प्रश्न 9 - निम्नलिखित शब्दों को वाक्यों में इस तरह प्रयोग कीजिए कि उनका अंतर स्पष्ट हो जाए –

2

1. गृह
- ग्रह
2. ज्वर
- ज्वार

प्रश्न 10 - निम्नलिखित विषयों में से किसी एक विषय पर एक सौ शब्दों में एक अनुच्छेद लिखिए –

5

मेरा प्रिय खेल

विज्ञापन का प्रभाव

व्यायाम के लाभ

SUBJECT- MATHEMATICS

CLASS IX

TIME 30 MIN

M.M.25

Answer all questions:

Q1: Solve: $28x^4 \div 56x$

- (a) $\frac{x^3}{2}$ (b) $\frac{1}{2x}$ (c) $\frac{2}{x^3}$ (d) $\frac{x^3}{2x}$

Q2: For fixing a point on the graph sheet we need:

- (a) x-coordinate and y-coordinate.
(b) Only x-coordinate.
(c) Only y-coordinate.
(d) None of the above

Q3: Find the value of $(3^{-1} + 4^{-1} + 5^{-1})^0$

- (a) ∞ (b) 0 (c) 1 (d) None of these

Q4: What will be the side of a cube whose surface area is 600 sq.cm.

- (a) 600 cm (b) 60cm (c) 10 cm (d) 6 cm

Q5: The area of a rhombus is 240 cm^2 and one of the diagonals is 16 cm.

Find the other diagonal

- (a) 40cm (b) 30cm (c) 20cm (d) 10 cm

Q6: If each edge of a cube is doubled, how many times will its surface area increase ?

- (a) 8 times (b) 16 times (c) 24 times (d) 32 times

Q7: An item marked at Rs.840 is sold for Rs.714. What is the discount % ?

- (a) 5% (b) 10 % (c) 15% (d) 20%

Q8: What should be multiplied to make 243 a perfect cube ?

- (a) 1 (b) 2 (c) 3 (d) all (a) (b) and (c)

Q9: cube root of 8000 is :

- (a) 5 (b) 10 (c) 15 (d) 20

Q10: What should be multiplied to make 90 a perfect square?

- (a) Only 2 (b) Only 3 (c) Only 5 (d) Both (a) and (c)

Q11: A bag has 4 red balls and 2 yellow balls. A ball is drawn from the bag without looking into the bag. What is probability of getting a red ball?

- (a) $\frac{1}{3}$ (b) $\frac{2}{3}$ (c) $\frac{3}{2}$ (d) $\frac{3}{3}$

Q12: Which of the following is not parallelogram ?

- (a) Square (b) Rhombus (c) Rectangle (d) Trapezium

Q13: Solve for x : $8x + 4 = 3(x - 1) + 7$

- (a) 0 (b) 1 (c) $\frac{2}{5}$ (d) 5

Q14: The product of two rational numbers is always a :

- (a) Integer (b) natural no. (c) rational no. (d) whole no.

Q15: If 20% of x is 40, then $x = ?$

(a) 100

(b) 200

(c) 20

(d) 2000

Q16: Solve : $\frac{x}{2} - \frac{1}{5} = \frac{x}{3} + \frac{1}{4}$ (2)

Q17: Express the following numbers in standard form. (2)

(i) 0.0000000000085

(ii) 6020000000000000

Q18: There are 100 students in a hostel. Food provision for them is for 20 days. How long will these provisions last, if 25 more students join the group?

(3)

Q19: Factorise: (i) $x^2 - 4x - 12$

(ii) $4p^2 - 9q^2$ 2+1=(3)