Sample Test Paper

Note: Test Duration: 30 minutes

(15 minutes for Attitude, 15 minutes for Coding).

Aptitude Questions

1. If 'GO' is coded as '157' and 'IN' is coded as '149' then how will 'ME' be coded in the same language?

   A. 415
   B. 256
   C. 141
   D. 513

   Correct Answer: C

2. James is the only son of Mr. Jill. James is married to Jeniffer. How is Jill related to Jeniffer?

   A. Father
   B. Father-in-law
   C. Husband
   D. Brother

   Correct Answer: B

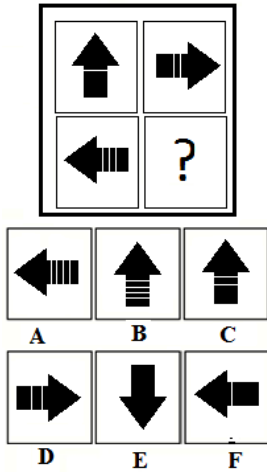3. Select the correct option that can replace the question mark (?) in the series below:

   BMA, CLB, DKC, EJD, FIE, GHF,

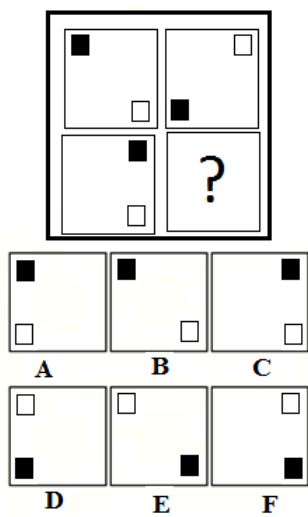   A. GIJ
   B. HGG
   C. HIG
   D. IJL

Correct Answer: B

Abstract Reasoning:

4. Find the shape that is missing in the following series.

A. A

B. B

C. C

D. D

E. E

F. F

Correct Answer: B

5.

A. A

B. B

C. C

D. D

E. E

F. F

Correct Answer: D

6. Three numbers, P, Q, and Rare in the ratio 4: 3: 5, respectively. The average of these three numbers is 20 less than R. Find the average of P, Q, and R.

A. 80

B. 90

C. 100

D. 50

Correct Answer: A

7. In an exam, A scored 80% marks and B scored 15% less marks than A. What percentage of marks did B score overall in the exam?

A. 72%

B. 68%

C. 76%

D. 65%

Correct Answer: B

8. Mr. A can complete 3/10 of a job in 9 days. Mr. B is twice as efficient as Mr. A. How many days will it take for Mr. B to finish the job?

A. 15 days

B. 12 days

C. 18 days
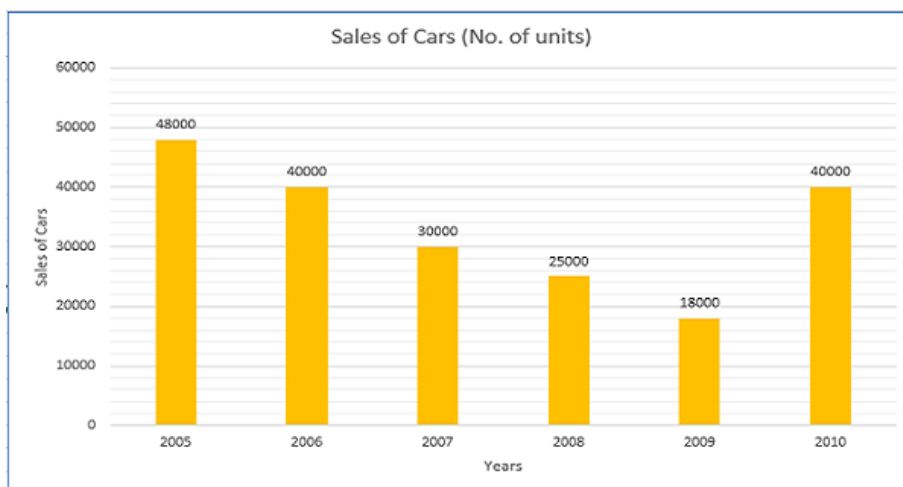
D. 10 days

Correct Answer: A

Data Analysis:

9. The following table illustrates the number of students of a college who were employed in four different companies (P, Q, R, and S) in four different months (March, April, May, and June) of a year. Answer the following question using the data given in the table.

Months/Companies	P	Q	R	S
March	25	23	32	38
April	15	19	34	18
May	18	24	30	24
June	12	30	32	20

Question: In which of the given months did the least number of students get employed in all the companies combined?

A. March
B. April
C. May
D. June

Correct Answer: B

Sales of Cars (No. of units)

10. Given below is a bar graph that depicts the number of units of cars sold in each year from 2005 to 2010. Study the given information and answer the question that follows.

Question: What is the sum of the number of cars sold in all the given years?

    A. 139000
    B. 182000
    C. 201000
    D. 225000

Correct Answer: C

11. Choose the correct synonym for the following word.
    Famous
    A. Attitude
    B. Renowned
    C. Impatient
    D. Strength

Correct Answer: B

12. Go and sit _____the car.
    A. beside
    B. above
    C. on
    D. inside

Correct Answer: D

13. I wait for my food when I met her parents.
    A. had wait
    B. will be waiting
    C. was waiting
    D. has been waiting

Correct Answer: C

14. Allowing a discount of $77 on the price of a perfume while selling it is equivalent to selling it with a 22% discount. What is the price of the perfume?

A. $300
B. $250
C. $350
D. $325

Correct Answer: C

15. There are 27 packets of candies that are distributed between two children. Which of the given ratios can represent the distribution of the packets between the two children?

A. 4:7
B. 3:4
C. 7:2
D. 3:11

Correct Answer: C

16.   Find the value of X% of 250, if X% of X is equal to 1.
A. 25
B. 15
C. 30
D. 45

Correct Answer: A

17.   Directions: The question below consists of a problem followed by two statements. Determine whether the data in the statements is sufficient to answer the question. Select your answer depending on whether the data provided in:

(A) Statement 1 alone is sufficient, but Statement 2 alone is insufficient to answer the question.
(B) Statement 2 alone is sufficient, but Statement 1 alone is insufficient to answer the question.
(C) Both statements taken together are sufficient to answer the question, but neither statement alone is sufficient to answer the question.
(D) Each statement alone is sufficient to answer the question.
(E) Statements 1 and 2 together are insufficient, and additional data is needed to answer the question.

Problem: What is Marsh's rank from the bottom in a class of 32 students?

Statement 1: David's rank is third from the top, and there are seven students between David and Brian.
Statement 2: Chris's rank is fourth from the bottom, and there are nine students between Chris and Marsh.

A. A
B. B
C. C
D. D
E. E

Correct Answer: B

18. A total of $2500 in prize money was distributed among three students in the ratio of 3:7:15. What is the difference between the highest amount and the second-highest amount of the prize money?

A. $800
B. $700
C. $1120
D. $980

Correct Answer: A

19. If A is 20% more efficient than B in doing a job, what is the ratio of the time taken by A and B, respectively, to complete the same job?

A. 2:3
B. 3:4
C. 5:6
D. 8:9

Correct Answer: C

20. The rate of simple interest is increased by 5 percentage points. How much more interest will be generated for 5 years on a sum of $50,000?

A. $21,000
B. $15,000
C. $12,500
D. $10,000

Correct Answer: C

21.   A television set was marked at 20% above the cost price, but due to a stock clearance sale, it was sold for $100 less than the marked price, leading to a loss of $10. What was the cost price of the television?

A. $500
B. $550
C. $450
D. $400

Correct Answer: C

22.   In a group of 65 boys, 40 boys study mathematics and 35 boys study biology. If each boy in the group studies at least one of the two subjects, what is the number of boys who study both mathematics and biology?

A. 5
B. 10
C. 15
D. 20

Correct Answer: B

23.   Lily can complete 20% of a task in three days by working 2 hours per day. If she works 5 hours a day, what percent of the task will she complete daily?

A. 12.5%
B. 10%
C. 8.5%
D. 16.66%

Correct Answer: D

24.   A product is sold at a selling price of $720, resulting in a loss of 10%. Find the selling price at which the product should be sold to earn a 20% profit.

A. $900
B. $820
C. $880
D. $960

Correct Answer: D

25.   While selling a watch, a shopkeeper gives a 10% discount on the marked price. If he

gives an 11% discount, he earns $20 less in profit. What is the marked price of the watch?
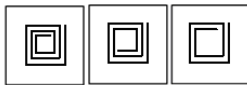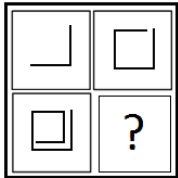
A. **$2000**

B. $1500

C. $1200

D. $1000

Correct Answer: A

26.　　What is the difference between the marked price and the cost price of the item if the shopkeeper offers a $5 discount on the marked price and still earns a profit of $14?

A. $9

B. $19

C. $21

D. $5

Correct Answer: B

27.

A

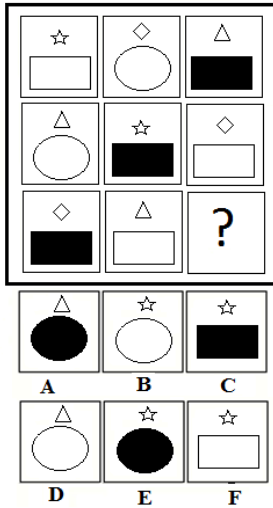B

C

D

E

Correct Answer: C

28.

A. A

B. B

C. C

D. D

E. E

Correct Answer: B

29. A number is selected at random from the first thirty natural numbers. What is the chance that it is a multiple of either 3 or 13?

A. 17/30

B. 2/5

C. 11/30

D. 4/15

Correct Answer: B

30. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?

A. 120

B. 300

C. 240

D. 150

Correct Answer: D

Coding Questions

1. What does the <h1> tag define in HTML?

   - Choice 1: Heading
   - Choice 2: Paragraph
   - Choice 3: Link
   - Choice 4: List
   Correct Answer: Choice 1

2. Which HTML element is used for the largest heading?

   - Choice 1: <h6>
   - Choice 2: <h3>
   - Choice 3: <h1>
   - Choice 4: <h2>
   Correct Answer: Choice 3

3. What is the purpose of the <title> tag in HTML?

   - Choice 1: To display a title in the browser tab
   - Choice 2: To create a title for a paragraph
   - Choice 3: To add a heading to an image
   - Choice 4: To style a webpage
   Correct Answer: Choice 1

4. Which tag is used to create a numbered list?

   - Choice 1:
   - Choice 2:
   - Choice 3:
   - Choice 4: <list>
   Correct Answer: Choice 2

5. What does <p> tag stand for?

   - Choice 1: Page
   - Choice 2: Paragraph

- Choice 3: Picture
- Choice 4: Placeholder

Correct Answer: Choice 2

6. Which attribute is used to provide alternative text for an image?
    - Choice 1: src
    - Choice 2: alt
    - Choice 3: title
    - Choice 4: href

    Correct Answer: Choice 2

7. How do you create a hyperlink in HTML?
    - Choice 1: `<a href="URL">Link</a>`
    - Choice 2: `<link href="URL">`
    - Choice 3: `<url>Link</url>`
    - Choice 4: `<hyperlink href="URL">Link</hyperlink>`

    Correct Answer: Choice 1

8. Which tag is used to insert a line break in HTML?
    - Choice 1: `<br>`
    - Choice 2: `<hr>`
    - Choice 3: `<lb>`
    - Choice 4: `<break>`

    Correct Answer: Choice 1

9. What is CSS used for?

    - Choice 1: Structuring content
    - Choice 2: Styling content
    - Choice 3: Adding links
    - Choice 4: Adding forms

    Correct Answer: Choice 2

10. Which property is used to set the background color of an element?

    - Choice 1: color
    - Choice 2: text-color
    - Choice 3: background-color
    - Choice 4: font-color

    Correct Answer: Choice 3

11. How do you make text bold in CSS?

- Choice 1: font-weight
- Choice 2: font-style
- Choice 3: font-bold
- Choice 4: text-bold

Correct Answer: Choice 1

12. Which property is used to change the width of an element?

- Choice 1: height
- Choice 2: width
- Choice 3: size
- Choice 4: border

Correct Answer: Choice 2

13. How do you add padding around an element

- Choice 1: margin
- Choice 2: padding
- Choice 3: spacing
- Choice 4: border-spacing

Correct Answer: Choice 2

14. Which property is used to align text to the center of an element?

- Choice 1: align
- Choice 2: text-align
- Choice 3: center-align
- Choice 4: horizontal-align

  Correct Answer: Choice 2

15. How do you select an element with the class `example` in CSS?

- Choice 1: `.example`
- Choice 2: `#example`
- Choice 3: `*example`
- Choice 4: `example`

  Correct Answer: Choice 1

16. Which CSS property is used to make an element's edges rounded?

- Choice 1: border-style
- Choice 2: border-color

- Choice 3: border-radius
- Choice 4: border-width
  Correct Answer: Choice 3

17. What is JavaScript used for?

- Choice 1: Styling webpages
- Choice 2: Structuring webpages
- Choice 3: Adding interactivity to webpages
- Choice 4: Adding images to webpages
Correct Answer: Choice 3

18. How do you write "Hello World" in an alert box?

- Choice 1: alertBox("Hello World");
- Choice 2: alert("Hello World");
- Choice 3: msg("Hello World");
- Choice 4: print("Hello World");
Correct Answer: Choice 2

19. What symbol is used to create a comment in JavaScript?

- Choice 1: //
- Choice 2: #
- Choice 3: /* */
- Choice 4: --
Correct Answer: Choice 1

20. How do you create a variable in JavaScript?

- Choice 1: var
- Choice 2: int
- Choice 3: let
- Choice 4: variable
Correct Answer: Choice 1 or Choice 3

21. Which method is used to output data to the console?

- Choice 1: print()
- Choice 2: console.log()
- Choice 3: write()
- Choice 4: alert()

Correct Answer: Choice 2

22. How do you write a single-line comment in JavaScript?

- Choice 1: /* Comment */
- Choice 2: // Comment
- Choice 3: <!-- Comment -->
- Choice 4: # Comment

Correct Answer: Choice 2

23. Which method is used to find the length of a string in JavaScript?

- Choice 1: length()
- Choice 2: size()
- Choice 3: .length
- Choice 4: stringLength()

Correct Answer: Choice 3

24. What does PHP stand for?

- Choice 1: Private Home Page
- Choice 2: Personal Home Page
- Choice 3: Personal Hypertext Processor
- Choice 4: PHP Hypertext Preprocessor

Correct Answer: Choice 4

25. How do you start a PHP block of code?

- Choice 1: <?php
- Choice 2: <php>
- Choice 3: <code>
- Choice 4: {php}

Correct Answer: Choice 1

26. Which symbol is used to concatenate strings in PHP?

- Choice 1: +
- Choice 2: .

- Choice 3: &
- Choice 4: #

Correct Answer: Choice 2

27. Which super global variable in PHP is used to collect form data?

- Choice 1: $_GET
- Choice 2: $_POST
- Choice 3: $_REQUEST
- Choice 4: $_FORM

Correct Answer: Choice 2

28. How do you print text in PHP?

- Choice 1: echo
- Choice 2: print()
- Choice 3: output()
- Choice 4: display()

Correct Answer: Choice 1 or Choice 2

29. Which function is used to check if a variable is set in PHP?
- Choice 1: isset()
- Choice 2: set()
- Choice 3: defined()
- Choice 4: exists()

Correct Answer: Choice 1

30. What is the default file extension for PHP files?
- Choice 1: .html
- Choice 2: .php
- Choice 3: .js
- Choice 4: .phtml

Correct Answer: Choice 2