

Foundation Questions on Reasoning

- Part I

Course on General Aptitude and Engineering Mathematics for GATE
2023-24

General Aptitude

Practice Quiz on Spatial Aptitude - V

Question 1

Select the pair that best expresses a relationship similar to that expressed in the pair:

Medicine: Health

A) Science: Experiment

B) Wealth: Peace

C) Education: Knowledge

D) Money: Happiness

Answer

Option C)

Question 2

Abhishek > Savar

Savar < Anshul

Abhishek is elder to Savar. Savar is younger to Anshul.

$$\textcircled{A} > \textcircled{B}$$

$$\textcircled{B} < \textcircled{C}$$

$$(\underline{A = C}, \underline{A > C})$$

$$\underline{A < C})$$

Which of the given conclusions is logically valid and is inferred from the above statements?

- A) Abhishek is elder to Anshul $\textcircled{A} > \textcircled{A}$
- B) Anshul is elder to Abhishek $\textcircled{A} < \textcircled{A}$
- C) Abhishek and Anshul are of same age $\textcircled{A} = \textcircled{A}$
- D) No conclusion follows

Answer

- Option D)

Question 3

legends

strict

troops = soldiers

Volunt

One of the legacies of the Roman legions was discipline. In the legions, military law prevailed and discipline was brutal. Discipline on the battlefield kept units obedient, intact and fighting, even when the odds and conditions were against them.

face the trouble

treat

Which of the following statements best sums up the meaning of the above passage?

harsh discipline = thorough regimentation.

- A) Thorough regimentation was the main reason for the efficiency of the Roman legions even in adverse circumstances
- B) The legions were treated inhumanly as if the men were animals.
heavily
- C) Discipline was the armies' inheritance from their seniors.
- D) The harsh discipline to which the legions were subjected led to the odds and conditions being against them.

refer to the passage for
keywords.

No past | Future tense

No assumption

Answer

- Option A)

Question 4

Wanted Temporary, Part- time persons for the post of Field Interviewer to conduct personal interviews to collect and collate economic data. Requirements: High School- pass, must be available for Day, Evening and Saturday work, transportation paid, expenses reimbursed. Which one of the following is the best inference from the above advertisement?

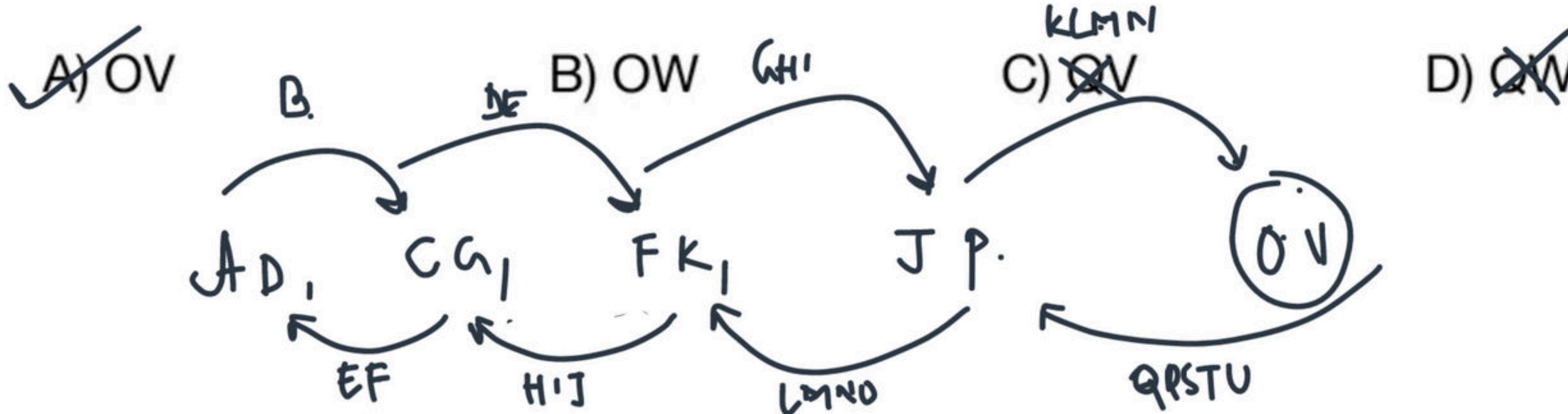
- A) Gender- discriminatory
- B) Xenophobic
- C) Not designed to make the post attractive
- D) Not gender- discriminatory

Answer

- Option D)

Question 5

Given the sequence of terms AD CG FK JP, the next term is



Answer

- Option A)

Question 6



Few school curricula include a unit on how to deal with bereavement and grief, and yet all students at some point in their lives suffer from losses through death and parting.

~~sadness~~

Based on the above passage which topic would not be included in a unit on bereavement ?

- A) How to write a letter of condolence
- B) What emotional stages are passed through in the healing process
- C) What the leading causes of death are
- D) How to give support to a grieving friend. X



Answer

- Option C)

Question 7

The question below consists of a pair of related words followed by four pairs of words. Select the pair that best expresses the relation in the original pair:

Gladiator: Arena

- A) Dancer: Stage
- B) Commuter: Train
- C) teacher: Classroom
- D) Lawyer: Courtroom

Answer

- Option A)

Q8

Vaccines

Question 8

100% immune
20% - - - 100% imm.

The horse has played a little known but very important role in the field of medicine. Horses were injected with toxins of diseases until their blood built up immunities. Then a serum was made from their blood. Serums to fight with diphtheria and tetanus were developed this way.

It can be inferred from the passage, that horses were

A) Given immunity to diseases → offered Answer key.

Horses

✓ B) Generally quite immune to disease

C) Given medicines to fight to toxins X

D) Given diphtheria and tetanus serums X

Answer

Option B)

Question 9

The question below consists of a pair of related words followed by four pairs of words.

Select the pair that best expresses the relation in the original pair.

Unemployed : Worker

(no job) / work

A) Fallow : Land

Fallow :- land which cannot be cultivated.

C) Wit : Jester

↓
Comedy synonym

Oh cons

B) Unaware: Sleeper

D) Renovated : House

Answer

Option A)

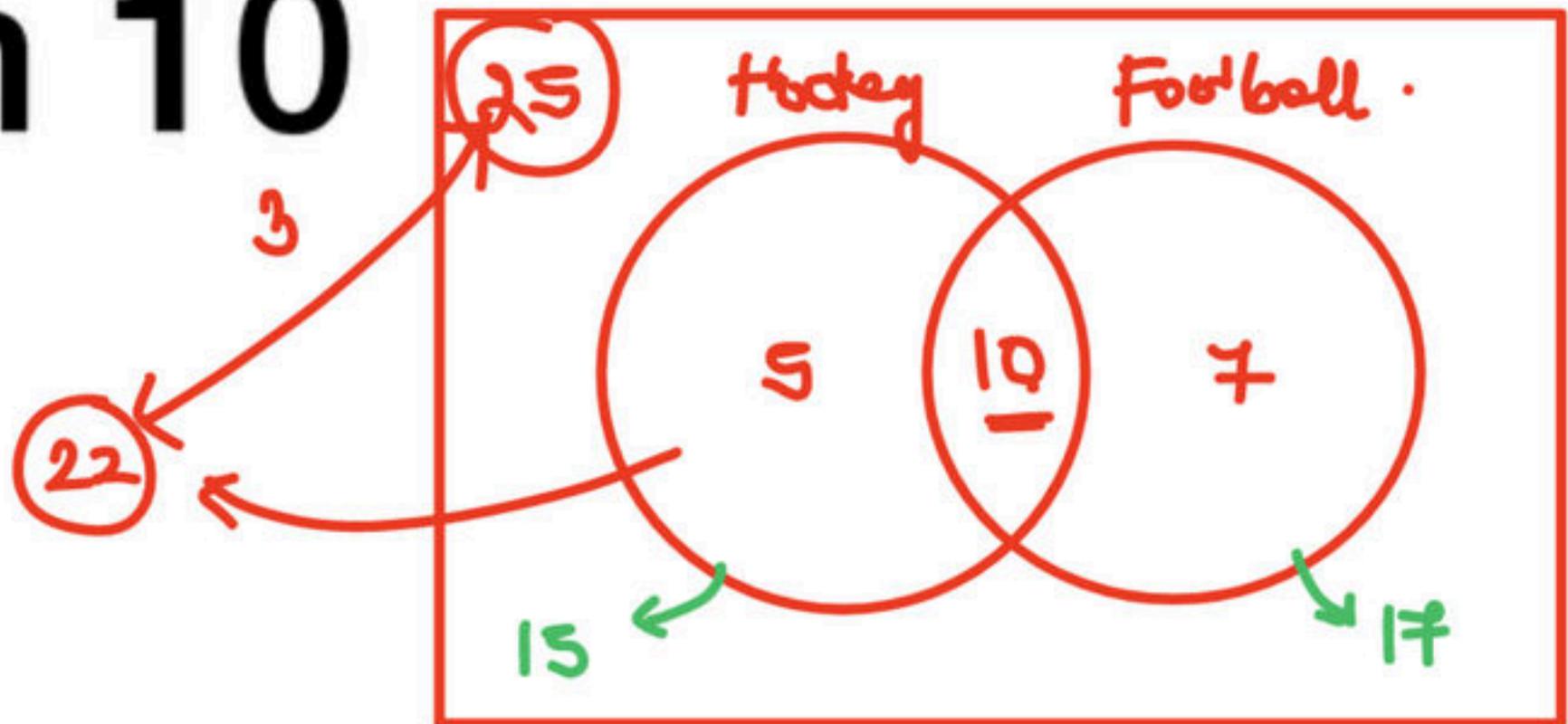
Question 10

Total persons = 25

Hockey = 15

Football = 17

Hockey & Football = 10.



25 persons are in a room 15 of them play hockey. 17 of them play football and 10 of them play both ~~hockey~~ and football. Then the number of persons playing neither hockey nor football is : ~~hockey~~.

A) 2

B) 17

C) 13

D) 3

$$\begin{aligned} \text{Total persons} &= H + F - H \cap F \\ 25 &= 15 + 17 - 10 \end{aligned}$$

=

$$\begin{aligned} 25 &= 17 + 5 \\ 25 &= 22 \end{aligned}$$

$3 =$ Hockey
not
football.

General Aptitude

PYQ'S on Logical Reasoning -

III

$P = \alpha\alpha$

$R = \beta\beta\alpha\beta\alpha$

$Q = \alpha\beta$

$S = \beta\beta\alpha\beta\alpha$

Question 1

P, Q, R, S

P, Q, R and S are to be uniquely coded using α and β . If P is coded as $\alpha\alpha$ and Q as $\alpha\beta$, then R and S, respectively, can be coded as _____.

- A) $\beta\alpha$ and $\beta\beta$ B) ~~$\alpha\beta$~~ and $\beta\beta$
- C) $\beta\alpha$ and ~~$\alpha\beta$~~ D) $\beta\beta$ and ~~$\alpha\beta$~~

Answer

- Option A)

Coercive = makes mean

= persuade someone.

Question 2

Crowd funding deals with mobilisation of funds for a project from a large number of people, who would be **willing** to **invest smaller amounts** through web-based platforms in the project. Based on the above paragraph, which of the following is correct about crowd funding?

- A) Funds raised through **unwilling** contributions on web-based platforms.
- B) Funds raised through **coerced** contributions on web-based platforms.
- C) Funds raised through **large** contributions on web-based platforms.
- D) Funds raised through voluntary contributions on web-based platforms.

Answer

- Option D)

Question 3

Select the word that fits the analogy:

Build : Building :: Grow : _____

- Past = result* *future =*
- A) Grew *Growth*
- B) Growed
- C) Grown
- D) Growth

Answer

- Option D)

Question 4

- The ~~Canadian~~ constitution requires that ~~equal importance~~ be given to English and French. Last year, Air Canada lost a lawsuit, and had to pay a six-figure ~~line~~ to a French-speaking couple after they filed complaints about formal-in-flight announcements in ~~English~~ lasting 15 seconds as opposed to informal ~~5 second~~ messages in French.

15seconds = 15Seconds

- The French-speaking couple were upset at _____

X A) Equal importance being given to English and French

X B) The in-flight announcements being ~~made in English~~

≡ French =

✓ C) The English announcements being longer than the French ones

D) The English announcements being clearer than the French ones

Answer

- Option C)

Question 5

- Select the word that fits the analogy:
 - Explicit : Implicit :: Express : _____
- A) Repress
- B) Suppress
- C) Compress
- D) Impress

Answer

- Option A)

Question 6

- Select the next element of the series:
- Z, WV, RQP, _____ .

A) JIHG

C) NMLK

B) KJIH

D) LKJI

Z I W V I R Q P. K J I H
y x O T S O N M L

Answer

- Option B)

$$360 \times \frac{1}{4} = 90 \text{ days}$$

Question 7

$$90 \text{ day} + 90 \text{ day} + 90 \text{ day} =$$

$$270 \text{ days}$$

NPAs

- Non-performing Assets (~~MPAs~~) of a bank in India is defined as an asset, which ~~remains unpaid by a borrower for a certain period of time in terms of interest, principal, or both.~~ Reserve Bank of India (RBI) has changed the definition of NPA ~~thrice~~ during 1993-2004. in terms of the holding period of loans. The holding period was ~~reduced by one quarter~~ each time. In 1993, the holding period was four quarters (360 days). Based on the above paragraph, the holding period of loans in ~~2004~~ after the third revision was ~~1~~ ~~2~~ days.

A) 45

B) 135

C) 90

D) 180

$$360 \text{ days} =$$

$$360 - 270 = 90 \text{ days}$$

Answer

- Option C)

Question 8

- Select the word that fits the analogy:
- Do : Undo : Trust : _____
 - A) Untrust
 - B) Intrust
 - C) Distrust
 - D) Entrust

Answer

- Option C)

Question 9

- Goods and Services Tax (GST) is an indirect tax introduced in India in 2017 that is imposed on the supply of goods and services, and it subsumes all indirect taxes except few. It is a destination-based tax imposed on goods and services used, and it is not imposed at the point of origin from where goods come. GST also has a few components specific to state governments, central government and Union Territories (UTs). Which one of the following statements can be inferred from the given passage?

- A) GST is imposed on the production of goods and services.
- B) GST does not have a component specific to UT.
- C) GST is imposed at the point of usage of goods and services.
- D) GST includes all indirect taxes.

Answer

- Option C)

Question 10

- If $P = 3$, $R = 27$, $T = 243$, then $Q + S = \underline{\hspace{2cm}}$.

A) 110

$$P = 3 = 3^1$$

B) 80

$$Q = 9 = 3^2$$

C) 90

$$R = 27 = 3^3$$

D) 40

$$S = 81 = 3^4$$

$$T = 243 = 3^5$$

$$9 + 81 = 90$$

Answer

- Option C)



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General Aptitude

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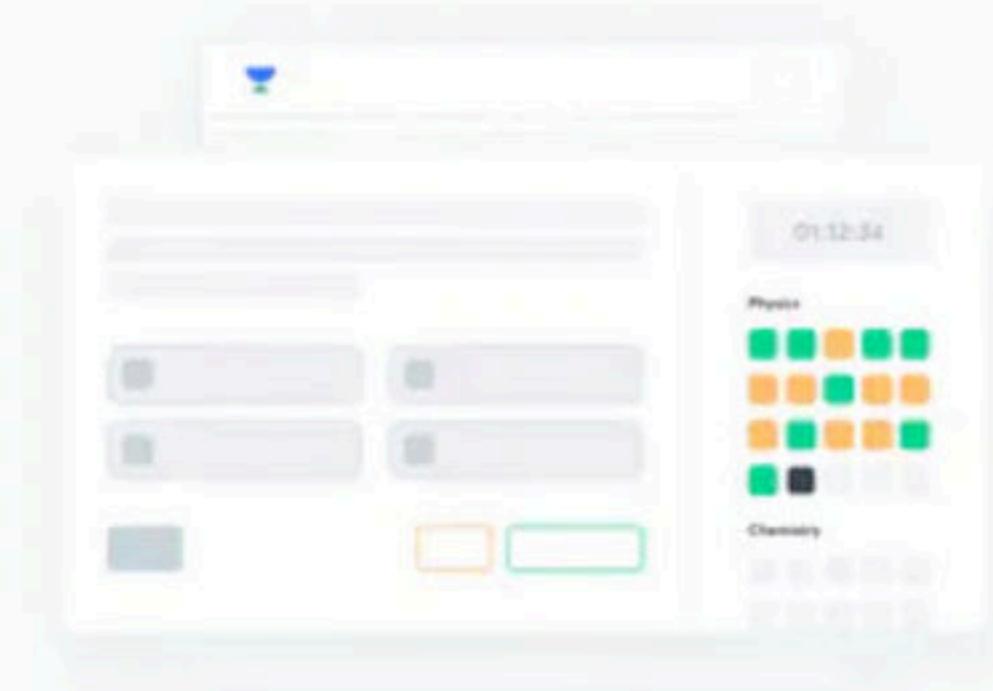
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Answer

Option D)



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Monday

AT 9AM

Analysis

5:00 = morning

10:00 = forenoon.

Thank you :)

See you in the next session :)