

EduTips Daily Digest

Thursday, 20 March 2025

Daily News Headlines | Daily English Vocab | Daily Static GK Updates
Daily Quant Quiz | Daily Reasoning Quiz

GENERAL PSC

NEW ONLINE BATCH

Get Exam-Ready for the Upcoming Kerala PSC Exams!

- ✓ Assistant Salesman
- ✓ 10th Mains
- ✓ Degree Prelims & Mains
- ✓ CPO/CEO/Fireman
- ✓ High court Assistant
- ✓ Confidential Assistant

Classes starting from
March 19

☎ Helpline - 9074564415
🌐 jayakrishnanramachandran.in

JOIN NOW



സമയമില്ലെന്ന
കാരണം കൊണ്ട്
പരീക്ഷാശൈ
ഇരിക്കേണ്ട !

Kerala PSC
Morning/Evening
Offline Classes

📍 Near Ambalappuzha
Sree Krishna Swamy Temple

🕒 Class Timings (Mon-Fri)

Morning Batch - 7:30am to 9:00am
Evening Batch - 6:00pm to 7:30pm

☎ Helpline 9074564415



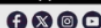
Malayali's own exclusive app for
PSC | Bank | SSC | Railway Exams

Download Now

GET IT ON
Google Play

Download on the
App Store

🌐 jayakrishnanramachandran.in



DOWNLOAD

GET IT ON
Google Play

Download on the
App Store



JAYAKRISHNAN EDUTIPS

**DAILY
NEWS HEADLINES**

Jayakrishnan Ramachandran



+91 9074564415

mail@jayakrishnanramachandran.in

www.jayakrishnanramachandran.in

Thursday, 20 March 2025

- IKS Health Tops 2025 Black Book Research Rankings in AI-driven Revenue Cycle Management
- Vantage Markets Wins 'Best Global Broker 2025' at Money Expo Mexico
- Bisleri International and ORF Launch 'Trading Blue Gold' at Raisina Dialogue 2025
- Nature Forever Leads Initiative for World Sparrow Day 2025
- Paisabazaar Introduces 'PBMoney' Financial Wellness Platform in March 2025
- RBI Launches 'On Tap' Cohort to Tackle Climate Change Risks in Finance
- Hyderabad Angels Fund Introduces SEBI Category 1 Fund for Indian Startups
- Telangana Passes SC (Rationalisation of Reservations) Bill 2025 in Legislative Assembly
- India and France Conduct VARUNA 2025 Naval Exercise
- Great One-Horned Rhinoceros Population in West Bengal Rises to 392

NEWS CREDITS

PIB/ PTI/ NEWS ON AIR/ THE HINDU/ IANS/ BUSINESS STANDARD/ TIMES OF INDIA/ DECCAN HERALD/ HINDUSTAN TIMES/ BBC NEWS/ ALJAZEERA/ MIRROR.UK/ TIMES NOW/ ECONOMIC TIMES/ FINANCIAL EXPRESS/ INDIAN EXPRESS

Download

Jayakrishnan EduTips



@JayakrishnanRC



Jayakrishnan EduTips



Jayakrishnan Ramachandran



Thursday, 20 March 2025

(VOCABULARY)

1. Residue

Definition: A small amount of something that remains after the main part has gone or been taken or used.

Synonyms: Remainder, Remaining part, Part leftover

Antonyms: Base, Core, Lack, Necessity

Usage: The fine residue left after the sorting of tea.

2. Ambient

Definition: Relating to the immediate surroundings of something.

Synonyms: Atmosphere, Climate, Clime, Context,

Antonyms: Motionless, Stationary, Still

Usage: The liquid is stored at below ambient temperature.

3. Fearsome

Definition: Frightening, especially in appearance.

Synonyms: Frightening, Horrifying, Terrifying, Menacing

Antonyms: Calming, Comforting, Consoling, Inviting

Usage: Tough results for the ruling party in state elections foretell a fearsome battle for national power next year

4. Portray

Definition: Describe (someone or something) in a particular way.

Synonyms: Describe, Depict, Characterize,

Represent, Delineate

Antonyms: Color, Distort, Falsify, Garble

Usage: The ineffectual Oxbridge dons portrayed by Evelyn Waugh.

(WORD SUBSTITUTION)

5. Study of science of insects - **Entomology**

6. Study of religion - **Theology**

(MISSPELT WORDS)

Find the correctly spelt word.

7. (A) Euthenasia (B) Euthanesia
(C) Euthanasia (D) Euthanasea

8. (A) Metronume (B) Matronome
(C) Mitronome (D) Metronome

(IDIOMS AND PHRASES)

9. Push one's luck

Meaning: Trying to obtain more than what one has (risk spoiling the current situation)

Example: You have my permission to go to your friends' place but don't push your luck by planning a night out.

10. Pen is mightier than the sword

Meaning: Words and communication have a greater effect than war

Example: A simple handwritten note put an end to their week long cold war – pen is mightier than the sword.



Thursday, 20 March 2025

➤ Acid

- **pH less than 7** – Acids have a pH below 7.
- **Releases H^+ ions** – Acids release hydrogen ions (H^+) in water.
- **Sour taste** – Acids usually taste sour (e.g., lemon juice).
- **Reacts with metals** – Acids react with metals to produce hydrogen gas.

➤ Base

- **pH greater than 7** – Bases have a pH above 7.
- **Releases OH^- ions** – Bases release hydroxide ions (OH^-) in water.
- **Bitter taste and slippery** – Bases taste bitter and feel slippery (e.g., soap).
- **Neutralizes acids** – Bases react with acids to form salt and water.

➤ Salt

- **Formed from acid-base reaction** – Salt is formed when an acid reacts with a base.
- **Neutral pH** – Most salts have a neutral pH (~ 7).
- **Ionic compound** – Salt is made of positive (cation) and negative (anion) ions.
- **Dissolves in water** – Many salts dissolve easily in water (e.g., NaCl).

**Thursday, 20 March 2025**

Direction (1–3): The given table graph shows the monthly income (in Rs. thousand) of five different companies in five different years.

	A	B	C	D	E
2010	3600	16800	1050	21000	14400
2011	6000	12000	18000	19200	10800
2012	13200	4800	13500	16800	16800
2013	10800	21600	9000	9000	18000
2014	9600	7200	12000	7200	21600

1. Find the central angle of the income of company 'A' in 2010, if the income of company 'A' in all the five years is represented in a pie-chart.

- (A) 20° (B) 45°
(C) 30° (D) 36°

2. Find the difference between the average income of company 'B' and company 'E', in all the five years together.

- (A) Rs. 3240 thousand (B) Rs. 1400 thousand
(C) Rs. 3632 thousand (D) Rs. 3840 thousand

3. The monthly income of company 'C' in 2010 and 2012 together is what fraction of monthly income of company 'D' in 2011 and 2012 together?

- (A) $7/8$ (B) $5/6$
(C) $2/3$ (D) $4/5$

4. PQRS is a trapezium in which PQ is parallel to RS and $PQ = 4(RS)$. The diagonals of the trapezium intersect at O. What is the ratio of the area of triangle SRO to the area of the triangle PQO?

- (A) 1 : 4 (B) 1 : 2
(C) 1 : 8 (D) 1 : 16

5. A right circular solid cylinder has radius of base 11 cm and height is 28 cm. It is melted to form a cuboid such that the ratio of its side is 4 : 6 : 9.

What is the total surface area (in cm^2) of the cuboid?

- (A) 3472.43 (B) 3454.44
(C) 3423.76 (D) 3065.33

6. The total number of students in three different sections is 150. Average marks obtained by students of sections B and C together is 86 and average marks obtained by students of section A are 71. If the average marks obtained by the whole class are 80, then find the number of students in section A.

- (A) 60 (B) 50
(C) 40 (D) 65

7. Two students appeared in an exam and one of them secured 36 marks more than the other and his marks were 62% of the marks obtained by both of them together. The marks obtained by them are:

- (A) 58 and 94 (B) 52 and 88
(C) 59 and 95 (D) 57 and 93

8. Suresh takes 30 minutes more than Ramesh to cover a distance of 15 km at a certain speed. But if Suresh doubles his speed, he takes one hour less than Ramesh to cover the same distance. What is the speed (in km/h) of Ramesh?

- (A) 5 (B) 5.5
(C) 6 (D) 6.5

9. If $\cos 21^\circ = x/y$ then the value of $(\operatorname{cosec} 21^\circ - \cos 69^\circ)$ is:

- (A) $x^2/\{y\sqrt{(y^2 - x^2)}\}$ (B) $y^2/\{x\sqrt{(y^2 - x^2)}\}$
(C) $y^2/\{x\sqrt{(-y^2 + x^2)}\}$ (D) $x^2/\{y\sqrt{(-y^2 + x^2)}\}$

10. If $x > 0^\circ$, be an acute angle, then the value of x (in degrees) satisfying $(\cos^2 x - 3\cos x + 2)/\sin^2 x = 1$

- (A) 45° (B) 30°
(C) 60° (D) 90°

1-{C} - 2-{D} - 3-{C} - 4-{D} - 5-{D} - 6-{A} - 7-{D} - 8-{C} - 9-{A} - 10-{C}



Thursday, 20 March 2025

1. Select the option figure that can replace figure? the question mark (?) in the following series.

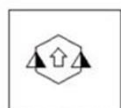


FIGURE 1

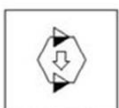


FIGURE 2

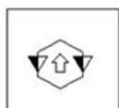
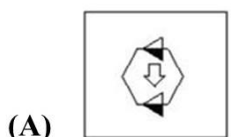
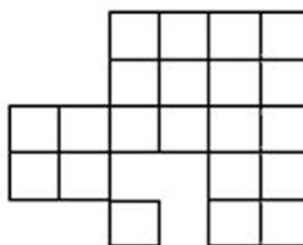


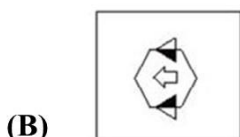
FIGURE 3



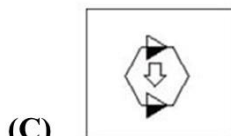
FIGURE 4



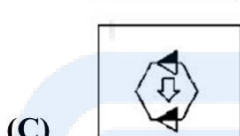
(A)



(B)



(C)



(C)

(A) 29

(C) 32

(B) 33

(D) 34

2. In a certain code language, 'MATHS' is written as '132201619'. How will 'SCIENCE' be written as in that language?

(A) 19 6 9 10 14 3 10

(B) 19 6 9 10 14 6 10

(C) 19 6 18 10 7 6 10

(D) 19 6 18 10 14 6 10

6. 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) 4966

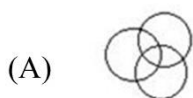
(B) 4683

(C) 4582

(D) 3426

3. Select the Venn diagram that best represents the relationship between the following classes.

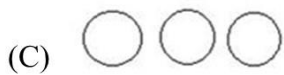
Chandigarh, India, Seoul



(A)



(B)



(C)



(D)

7. Select the option in which the numbers share the same relationship as that shared by the given number - pair.

34 : 210

(A) 47 : 282

(B) 66 : 402

(C) 54 : 100

(D) 38 : 236

8. Showing the picture of Shikha, Parul said, "she is the grandmother of my father's only son". How is the Shikha related to Parul?

(A) Grandmother

(B) Mother

(C) Sister

(D) Daughter in law

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

34, 69, 140, 283, ?, 1145

(A) 440

(B) 545

(C) 570

(D) 625

9. Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

a _ _ ccde _ _ _ bc _ _ _ eaabc _ _ _ aabc _ ee

(A) abbaacdeecdec

(B) abeaacdeecdec

(C) acbdecdeacecd

(D) abcdceecdeaa

5. How many squares are there in the given

1-{D} - 2-{D} - 3-{B} - 4-{C}-5-{C}-6-{C}-7-{B}-8-{A}-9-{B}