

(KFTT – SEASON - 6)

- SET - D**

Q.8: Who is the youngest?

(A) Veena (B) Suresh (C) Amit (D) Geeta (E) Naina

Read the following information & answer Q.9 to Q.12:

Ravi, Sita, Mohan, Geeta & Nisha are five friends.

- i. Ravi is twice as old as Sita
- ii. Mohan is half the age of Sita
- iii. Ravi is half the age of Geeta
- iv. Mohan is twice the age of Nisha

Q.9: Who is the youngest?

(A) Ravi (B) Sita (C) Mohan (D) Geeta (E) Nisha

Q.10: Who is the eldest?

(A) Ravi (B) Sita (C) Mohan (D) Geeta (E) Nisha

Q.11: Ravi is younger than

(A) Sita (B) Mohan (C) Geeta (D) Nisha (E) None of these

Q.12: If Sita is 12 years old, then what is the age of Nisha?

(A) 3 Years (B) 6 Years (C) 24 Years (D) 48 Years (E) None of these

Read the following information & answer Q.13 to Q.16:

Aman, Bina, Chetan, Divya & Esha are five cousins.

- i. Aman is thrice as old as Bina
- ii. Chetan is one-third the age of Bina
- iii. Aman is half the age of Divya
- iv. Chetan is twice the age of Esha

Q.13: Who is the youngest?

(A) Aman (B) Bina (C) Chetan (D) Divya (E) Esha

Q.14: Who is the eldest?

(A) Aman (B) Bina (C) Chetan (D) Divya (E) Esha

Q.15: Aman is younger than

(A) Bina (B) Chetan (C) Divya (D) Esha (E) None of these

Q.16: If Bina is 9 years old, then what is the age of Esha?
(A) 1 Year (B) 1.5 Years (C) 3 Years (D) 27 Years (E) None of these

Part – 2: BODMAS

Q.17: $(6 + 2) \times 3 - 4 + 2 \times 5$
(A) 30 (B) 20 (C) 96 (D) 10 (E) 4

Q.18: $(3 \times (4 - 7)) + 6 \times 2$
(A) 3 (B) -3 (C) 30 (D) 9 (E) -30

Q.19: $8 - (4 \div 2 \times 3)$
(A) 6 (B) 2 (C) -2 (D) 12 (E) -6

Q.20: $(7 - 2) \times (8 - 3) + 6$
(A) 31 (B) -31 (C) 25 (D) 11 (E) None of the above

Q.21: $(4 + 2)^2 \div 4 (\sqrt{9})$
(A) 9 (B) 12 (C) 27 (D) 36 (E) 3

Q.22: $(\sqrt{16})^2 \div (\sqrt{16})$
(A) 16 (B) 256 (C) 1 (D) 4 (E) 8

Q.23: $(3 \times 2 - 5)^2 + 3(\sqrt{36})$
(A) 19 (B) 22 (C) 18 (D) -19 (E) -22

Q.24: $(\sqrt{25} (-3)) + (\sqrt{9} + (2^2 + 3^2))$
(A) -2 (B) 1 (C) -1 (D) 2 (E) 28

Q.25: $(8 \times 3) - 5 - 2 + 4 \times 2$
(A) 25 (B) -25 (C) 9 (D) 17 (E) None of the above

Q.26: $3 \times 3 \times 1 - (2 \times (5 - 3)^2)^2$
(A) 55 (B) -55 (C) 9 (D) -9 (E) 73

Q.27: $(2)^2 + 3(2)^2 - 2(4)^2 + 5(1)^2$
(A) 11 (B) -11 (C) 33 (D) -33 (E) 0

Q.28: $(\sqrt{9} (-3)) (\sqrt{9} + (2))$
(A) 45 (B) -45 (C) 15 (D) -15 (E) None of the above

Q.29: $(9 - 5) + (5 - 2) - (2 - 6)(7 - (-3))$

(A) -47 (B) 47 (C) 7 (D) -7 (E) 87

Q.30: $(3 \times 3 \div 1)^2 + 2(\sqrt{16})$

(A) 89 (B) -89 (C) 17 (D) 81 (E) None of the above

Q.31: $(\sqrt{16} - (-2)) + ((2^2 + 3)^2)$

(A) 51 (B) 55 (C) -55 (D) 47 (E) 6

Q.32: $(\sqrt{36})^2 \div (\sqrt{9})^2$

(A) 4 (B) 16 (C) 9 (D) 36 (E) None of the above

Q.33: $(8(\sqrt{9} - 3) + (-2(2)))$

(A) 4 (B) -4 (C) 12 (D) 0 (E) -12

Q.34: $\sqrt{25} + (2 - (-1)) (4 - 1)$

(A) 15 (B) 12 (C) 9 (D) 14 (E) 24

Q.35: $(\sqrt{9} (2 (\sqrt{9})^2 - 5) \div 1) \div 3$

(A) 0 (B) 13 (C) -1 (D) -3 (E) 1

Part – 3: Statement & Course of Action

Q.36: **Statement:** Several students have been found copying during the final examinations in a school.

Courses of Action:

- i. Strict invigilation should be introduced and copying students should be penalized.
 - ii. All examinations in the school should be cancelled permanently.
- (A) Only i follows (B) Only ii follows (C) Either i or ii follows
(D) Neither i nor ii follows (E) Both i & ii follow

Q.37: **Statement:** A particular medicine has been found to cause side effects in some patients.

Courses of Action:

- i. The medicine should be withdrawn from the market and banned forever.
- ii. The drug regulatory authority should investigate the side effects before taking further action.

- (A) Only i follows (B) Only ii follows (C) Either i or ii follows
(D) Neither i nor ii follows (E) Both i & ii follow

Q.38: Statement: A bridge connecting two towns has developed cracks and is unsafe for heavy vehicles.

Courses of Action:

- i. Heavy vehicles should be banned from using the bridge until repairs are completed.
- ii. The bridge should be repaired on a priority basis.

- (A) Only i follows (B) Only ii follows (C) Either i or ii follows
(D) Neither i nor ii follows (E) Both i & ii follow

Q.39: Statement: A city has been facing severe traffic congestion on a particular road for years, and experts say widening the road is not feasible due to space constraints.

Courses of Action:

- i. The traffic police should manually direct traffic at peak hours every day, indefinitely.
- ii. The government should immediately demolish nearby buildings to widen the road.

- (A) Only i follows (B) Only ii follows (C) Either i or ii follows
(D) Neither i nor ii follows (E) Both i & ii follow

Q.40: Statement: Two close friends have had a minor disagreement over a trivial matter and have stopped talking to each other.

Courses of Action:

- i. A mutual friend should try to mediate and help them reconcile.
- ii. Both friends should be forced by their families to apologize to each other in public.

- (A) Only i follows (B) Only ii follows (C) Either i or ii follows
(D) Neither i nor ii follows (E) Both i & ii follow

Q.41: Statement: A company has received a single complaint from one customer about a delayed delivery, which was caused by an unprecedented weather event.

Courses of Action:

- i. The company should issue a public apology and overhaul its entire delivery network.

ii. The company should offer an apology and a discount to the affected customer.

- (A) Only i follows (B) Only ii follows (C) Either i or ii follows
(D) Neither i nor ii follows (E) Both i & ii follow

Q.42: Statement: Stray dogs have been increasingly biting people in a residential area.

Courses of Action:

- i. The municipal corporation should carry out sterilization and vaccination drives for stray dogs.
ii. Residents should be allowed to feed and adopt stray dogs to reduce aggression.

- (A) Only i follows (B) Only ii follows (C) Either i or ii follows
(D) Neither i nor ii follows (E) Both i & ii follow

Q.43: Statement: A school bus has been found overcrowded with students beyond its seating capacity.

Courses of Action:

- i. The school should add more buses or trips to reduce overcrowding.
ii. The school should immediately stop the bus service for everyone.

- (A) Only i follows (B) Only ii follows (C) Either i or ii follows
(D) Neither i nor ii follows (E) Both i & ii follow

Q.44: Statement: Pollution levels in a river have risen sharply due to untreated industrial waste being discharged into it.

Courses of Action:

- i. Factories found discharging untreated waste should be fined and asked to install treatment plants.
ii. The pollution control board should conduct regular inspections of factories near the river.

- (A) Only i follows (B) Only ii follows (C) Either i or ii follows
(D) Neither i nor ii follows (E) Both i & ii follow

Q.45: Statement: A locality has been experiencing frequent power cuts during peak summer months.

Courses of Action:

- i. The electricity board should upgrade transformers and infrastructure in the area.

ii. Residents should stop using electrical appliances completely during summer.

- (A) Only i follows (B) Only ii follows (C) Either i or ii follows
(D) Neither i nor ii follows (E) Both i & ii follow

Q.46: Statement: A few players in a cricket team have been found involved in match-fixing, but the inquiry has not yet been completed.

Courses of Action:

- i. The players named should be suspended from playing until the inquiry is completed.
ii. The players named should be permanently banned from the sport immediately.

- (A) Only i follows (B) Only ii follows (C) Either i or ii follows
(D) Neither i nor ii follows (E) Both i & ii follow

Part – 4: Alphabet Test – Arranging Words

Q.47: If the following words are arranged in alphabetical order, which word will come third?

- (A) Flame (B) Flag (C) Flat (D) Flap (E) Flaw

Q.48: Which word will come first in dictionary order?

- (A) Mango (B) Manor (C) Manly (D) Mania (E) Mange

Q.49: If arranged alphabetically, which word comes last?

- (A) Prize (B) Print (C) Prick (D) Pride (E) Prime

Q.50: Which word will come second in dictionary order?

- (A) Clock (B) Cloth (C) Clone (D) Close (E) Cloud

Q.51: Which word comes in the middle after arranging alphabetically?

- (A) Brace (B) Braid (C) Brain (D) Brand (E) Brave

Q.52: If arranged alphabetically, which word comes fourth?

- (A) Stamp (B) Stage (C) Stain (D) Stale (E) Stand

Q.53: Which word will come first in alphabetical order?

- (A) Groan (B) Grope (C) Groom (D) Groove (E) Gross

Q.54: If arranged alphabetically, which word comes last?

(A) Plank (B) Plant (C) Plain (D) Place (E) Plane

Q.55: Which word will come second in dictionary order?

(A) Trunk (B) Trust (C) Truth (D) Truce (E) Trump

Q.56: Which word comes in the middle after arranging alphabetically?

(A) Swept (B) Sweet (C) Swell (D) Swear (E) Sweep

Q.57: If arranged alphabetically, which word comes fourth?

(A) Crisp (B) Crime (C) Crick (D) Crimp (E) Criss

Q.58: Which word will come first in dictionary order?

(A) Blaze (B) Bland (C) Blank (D) Blast (E) Blade

Part – 5: Coding / Decoding

Two matrices are given below. Each letter can be represented by a two-digit code where the first digit is the ROW number and the second digit is the COLUMN number. Using these matrices, find the correct code for the given words.

MATRIX – 1

	0	1	2	3	4
0	C	D	F	H	J
1	K	L	A	P	Q
2	U	V	W	X	R
3	Z	E	D	F	H
4	J	K	L	S	P

MATRIX – 2

	5	6	7	8	9
5	Q	U	T	W	X
6	O	Z	B	D	F
7	H	J	K	L	N
8	P	I	U	V	W
9	X	Y	Z	G	D

Q.59: CARE

(A) 00, 12, 24, 39 (B) 80, 13, 24, 31 (C) 00, 92, 24, 31
(D) 00, 12, 24, 31 (E) 08, 12, 04, 31

Q.60: SCAR

(A) 43, 00, 12, 24 (B) 43, 00, 10, 24 (C) 47, 50, 12, 24
(D) 43, 80, 12, 24 (E) 43, 00, 12, 94

Q.61: RING

(A) 74, 86, 79, 98 (B) 24, 86, 79, 96 (C) 24, 86, 71, 98
(D) 24, 86, 79, 98 (E) 44, 86, 79, 98

Q.62: COIN

(A) 40, 65, 86, 79 (B) 00, 25, 86, 76 (C) 00, 60, 46, 79
(D) 80, 65, 86, 72 (E) 00, 65, 86, 79

Q.63: GRIT

(A) 98, 24, 80, 57 (B) 98, 21, 86, 57 (C) 94, 24, 86, 57
(D) 98, 24, 86, 57 (E) 98, 84, 86, 57

Q.64: IRON

(A) 86, 24, 65, 89 (B) 86, 34, 75, 79 (C) 86, 64, 65, 79
(D) 86, 24, 65, 79 (E) 86, 34, 65, 73

Q.65: SING

(A) 43, 84, 79, 98 (B) 33, 86, 79, 98 (C) 93, 86, 79, 98
(D) 43, 86, 79, 98 (E) 43, 86, 79, 99

Q.66– Q.68: In a certain code, "ma ka li" means "sun rises east", "ka ro ti" means "east wind blows" and "pi so ma" means "sun sets west".

Q.66: How is "rises" written in that code?

(A) ma (B) ka (C) li (D) so (E) Cannot be determined

Q.67: How is "west" written in that code?

(A) so (B) li (C) ma (D) ti (E) Cannot be determined

Q.68: How is "wind blows east" written in that code?

(A) ma li ka (B) ro so ti (C) li ka ma (D) ka ro ti (E) Cannot be determined

Q.69– Q.72: In a certain language, "253" means "bright cold morning", "546" means "cold rainy day" and "278" means "bright sunny evening".

Q.69: Which digit represents "bright"?

(A) 2 (B) 5 (C) 3 (D) 6 (E) 8

Q.70: Which digit represents "cold"?

(A) 2 (B) 3 (C) 5 (D) 7 (E) 8

Q.71: Which digit represents "morning"?

(A) 2 (B) 3 (C) 5 (D) 6 (E) Cannot be determined

Q.72: How will "bright cold" be written in that language?

(A) 25 (B) 57 (C) 23 (D) 56 (E) Cannot be determined

Part – 6: Number Problems

Q.73: Find the highest number out of the following.

(A) 6.5 (B) 6.05 (C) 6.55 (D) 6.45 (E) 6.4

Q.74: Arrange following numbers in ascending order.

5.6, 5.16, 5.61, 5.06

(A) 5.16, 5.06, 5.61, 5.6 (B) 5.06, 5.16, 5.6, 5.61 (C) 5.6, 5.06, 5.16, 5.61
(D) 5.61, 5.6, 5.16, 5.06 (E) None of the above

Q.75: Arrange following numbers in descending order.

7.45, 7.54, 7.4, 7.05

(A) 7.4, 7.45, 7.54, 7.05 (B) 7.05, 7.4, 7.45, 7.54 (C) 7.54, 7.45, 7.4, 7.05
(D) 7.45, 7.54, 7.05, 7.4 (E) None of the above

Q.76: Find the lowest number out of the following.

(A) $\frac{2}{5}$ (B) $\frac{3}{5}$ (C) $\frac{4}{5}$ (D) $\frac{6}{5}$ (E) $\frac{1}{5}$

Q.77: (I) $\frac{3}{6} > \frac{6}{3}$ (II) $\frac{4}{4} \geq \frac{8}{8}$

(A) Only I is true (B) Only II is true (C) Both I & II are true
(D) Both I & II are false (E) None of the above

Q.78: Find the highest number out of the following.

(A) $\frac{7}{5}$ (B) $\frac{6}{5}$ (C) $\frac{5}{5}$ (D) $\frac{4}{5}$ (E) $\frac{3}{1}$

Q.79: Find the lowest number out of the following.

(A) $\frac{25}{5}$ (B) $\frac{30}{5}$ (C) $\frac{16}{4}$ (D) $\frac{9}{3}$ (E) $\frac{10}{2}$

Q.80: (I) $\frac{12}{3} < \frac{20}{4}$ (II) $\frac{7}{2} \geq \frac{5}{2}$

- (A) Only I is true (B) Only II is true (C) Both I & II are true
(D) Both I & II are false (E) None of the above

Q.81: Find the lowest number out of the following.

- (A) $\sqrt{36}$ (B) $\sqrt{49}$ (C) $\sqrt{25}$ (D) $\sqrt{64}$ (E) 7

Q.82: Arrange these numbers in ascending order.

3.215, 3.125, 3.512, 3.152

- (A) 3.215, 3.125, 3.152, 3.512 (B) 3.125, 3.152, 3.215, 3.512
(C) 3.512, 3.215, 3.152, 3.125 (D) 3.152, 3.125, 3.215, 3.512
(E) None of the above

Q.83: Arrange these numbers in descending order.

9.08, 9.8, 9.18, 9.81

- (A) 9.08, 9.18, 9.8, 9.81 (B) 9.8, 9.81, 9.18, 9.08 (C) 9.18, 9.08, 9.81, 9.8
(D) 9.81, 9.8, 9.18, 9.08 (E) None of the above

Q.84: Find the highest number out of the following.

- (A) $\frac{11}{4}$ (B) $\frac{9}{4}$ (C) $\frac{13}{4}$ (D) $\frac{7}{4}$ (E) $\frac{3}{1}$

Q.85: Find the lowest number out of the following.

- (A) 4.44 (B) 4.04 (C) 4.4 (D) 4.404 (E) 4.044

Q.86: (I) $\sqrt{81} > \sqrt{64}$ (II) $\sqrt{100} \leq \sqrt{81}$

- (A) Only I is true (B) Only II is true (C) Both I & II are true
(D) Both I & II are false (E) None of the above

Q.87: Find the lowest number out of the following.

- (A) $\sqrt{100}$ (B) $\sqrt{81}$ (C) $\sqrt{121}$ (D) 11 (E) $\sqrt{144}$

Part – 7: General Knowledge / Current Affairs

Q.88: Which is the longest river in India?

- (A) Yamuna (B) Godavari (C) Ganga (D) Brahmaputra (E) Krishna

Q.89: Which is the largest desert in the world?

- (A) Thar Desert (B) Gobi Desert (C) Kalahari Desert (D) Sahara Desert (E) Arabian Desert

Q.90: India operationalized a free trade pact called CEPA with which Gulf country in 2026, strengthening trade links beyond the Strait of Hormuz?
(A) Saudi Arabia (B) United Arab Emirates (C) Oman (D) Qatar (E) Kuwait

Q.91: Which Indian space mission, a key step toward human spaceflight, is expected to launch an un-crewed test flight in 2026?
(A) Chandrayaan-4 (B) Aditya-L2 (C) Gaganyaan (D) Mangalyaan-2 (E) NISAR

Q.92: What is the capital city of Australia?
(A) Sydney (B) Melbourne (C) Canberra (D) Perth (E) Brisbane

Q.93: The Election Commission of India is described in the Constitution as which type of body?
(A) A judicial body (B) A constitutional body (C) A statutory body only (D) A non-governmental body (E) An advisory body only

Q.94: Mount Everest, the highest mountain peak in the world, is located in which country?
(A) India (B) Nepal (C) Bhutan (D) China (E) Pakistan

Q.95: What is the SI unit of force?
(A) Newton (B) Watt (C) Joule (D) Pascal (E) Ampere

Q.96: What is the largest organ of the human body?
(A) Liver (B) Heart (C) Brain (D) Lungs (E) Skin

Q.97: What is the official currency of Japan?
(A) Won (B) Yuan (C) Yen (D) Ringgit (E) Baht

Q.98: What was the name of India's first satellite, launched in 1975?
(A) Bhaskara (B) Rohini (C) Aryabhata (D) INSAT-1A (E) IRS-1A

Q.99: Which gas is released by plants during photosynthesis?
(A) Carbon dioxide (B) Nitrogen (C) Oxygen (D) Hydrogen (E) Methane

Q.100: Which planet is closest to the Sun?
(A) Venus (B) Earth (C) Mars (D) Mercury (E) Jupiter