



Presented by: **MUHMMAD MUZAMIL**  
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**Q1.** Odd one out: 1, 3, 5, 7, 8

- A) 7
- B) 1
- C) 8 ✓
- D) 5
- E) 3

**Q2.** If FUN = 697 and GUN = 098, then GUF = ?

- A) 670
- B) 078
- C) 079
- D) 096 ✓

**Q3.** School : Teacher :: Hospital : ?

- A) Patients
- B) Doctor ✓
- C) Nurse

**Q4.** Car : Drive :: Book : ?

- A) Read ✓
- B) Write

**Q5.** What is the purpose of a book?

- A) Communication skills
- B) Empathy
- C) All of these ✓
- D) Memory

**Q6.** Yesterday was Monday. What will be the day after tomorrow?

- A) Sunday

- B) Thursday
- C) Friday ✓
- D) Saturday

**Q7.** The 4th day of the month is Sunday. What is the 28th day?

- A) Tuesday
- B) Wednesday ✓
- C) Sunday
- D) Saturday

**Q8.** A man's age is 4 times his son's age. Five years ago, he was 9 times his son's age. Find man's present age.

- A) 32 years ✓
- B) 40 years
- C) 34 years

**Q9.** 20 men complete work in 18 days. 10 men will complete it in:

- A) 26 days
- B) 32 days
- C) 34 days
- D) 36 days ✓

**Q10.** 26 men complete a building in 12 days. 18 men will complete it in:

- A) 16 days
- B) 17 days ✓
- C) 18 days
- D) 19 days

**Q11.** Unit of energy:

- A) Joule ✓
- B) Pascal
- C) Current

**Q12.** Speed of light in air:

- A)  $2 \times 10^8$  m/s
- B)  $3 \times 10^8$  m/s ✓
- C)  $2.25 \times 10^8$  m/s

**Q13.** Speed of light in water:

- A)  $2.25 \times 10^8$  m/s ✓
- B)  $3 \times 10^8$  m/s
- C)  $2 \times 10^8$  m/s

**Q14.** Speed of light in glass:

- A)  $2 \times 10^8$  m/s ✓
- B)  $2.25 \times 10^8$  m/s
- C)  $3 \times 10^8$  m/s

**Q15.** Which law states length is directly proportional to force?

- A) Pascal's law
- B) Hooke's law ✓
- C) Ohm's law

**Q16.** Which lens is thin at center and thick at edges?

- A) Converging lens
- B) Convex lens
- C) Concave lens ✓

**Q17.** When light enters from denser to rarer medium, it bends:

- A) Away from the normal ✓
- B) Toward the normal
- C) Away from the high

**Q18.** Loudness is directly proportional to:

- A) Quality
- B) Amplitude ✓
- C) Pitch
- D) Intensity

**Q19.** Rate of flow of charge is called:

- A) Electric charge
- B) Electric light
- C) Electric current ✓

**Q20.** Thermal conductivity of brass:

- A)  $146.88$  W/m·K
- B)  $146.87$  W/m·K ✓
- C)  $147.87$  W/m·K

**Q21.** Thermal conductivity of water:

- A)  $0.66$  W/m·K at  $22^\circ\text{C}$
- B)  $0.598$  W/m·K at  $20^\circ\text{C}$  ✓
- C)  $0.698$  W/m·K at  $21^\circ\text{C}$

**Q22.** How many methods of heat transfer?

- A) One
- B) Two
- C) Three ✓

D) Four

**Q23.** In first 10 overs, run rate = 3.2. Target = 282 runs in 50 overs. Required run rate in last 40 overs:

- A) 4.25
- B) 5.25
- C) 6.25 ✓
- D) 7.25

**Q24.** Series: 23, 5, 15, 6, 73, ?

- A) 21
- B) 12
- C) 11
- D) 10 ✓

**Q25.** Different:

- A) Foot
- B) Length ✓
- C) Centimeter
- D) Kilometer

**Q26.** Series: 100, 98, 94, 88, 80, 70, ?

- A) 56
- B) 58 ✓
- C) 48
- D) 68

**Q27.** Odd one: 2, 4, 5, 8

- A) 5 ✓
- B) 8
- C) 2
- D) 4

**Q28.** Series: 21, 3, 45, 9, 57, ?

- A) 35
- B) 12 ✓
- C) 13
- D) 15

**Q29.** 10 men cover 10 km in 10 days. 3 men cover how much in 10 days?

- A) 20 km
- B) 3 km ✓
- C) 10 km
- D) 15 km

**Q30.** Shoes : Foot :: Hand : ?

- A) Cap
- B) Gloves ✓
- C) Cover
- D) Fingers

**Q31.** Opposite of lovely:

- A) Grateful
- B) Beautiful
- C) Ugly ✓
- D) Brutal

**Q32.** Opposite of expensive:

- A) Cheap ✓
- B) Costly
- C) Digital

**Q33.** Opposite of slow:

- A) Slowly
- B) Normal
- C) Fast ✓

**Q34.** I am \_\_\_\_ the mobile phone.

- A) At
- B) In
- C) On ✓

**Q35.** Get \_\_\_\_ the bus.

- A) At
- B) In
- C) On ✓

**Q36.** One of my brothers \_\_\_\_ a doctor.

- A) Is ✓
- B) A
- C) At
- D) The

**Q37.** Tourists came \_\_\_\_ boat.

- A) Into
- B) On
- C) By ✓
- D) At

**Q38.** People find friends \_\_\_\_ the internet.

- A) To
- B) On ✓
- C) At
- D) In

**Q39.** Boss sits \_\_\_\_ the chair.

- A) On ✓
- B) At
- C) In

**Q40.** We met his brother \_\_\_\_ taking dinner.

- A) On
- B) After ✓
- C) Before

**Q41.** Farmer uses tractor \_\_\_\_ the field.

- A) To plough ✓
- B) Ploughed
- C) Ploughing

**Q42.** Opposite of artificial:

- A) Real
- B) Natural ✓
- C) Normal

**Q43.** Opposite of imaginary:

- A) Unreal
- B) Manual
- C) Real ✓

**Q44.** \_\_\_\_ to magazine.

- A) Has
- B) Live
- C) Read ✓
- D) Go

**Q45.** Mean is to average as kind is to:

- A) Mean
- B) Mode
- C) All of these ✓
- D) Median

**Q46.** A person writes their own story:

- A) Working
- B) Autobiography ✓
- C) Discover

**Q47.** Gives you good advice:

- A) Idiom
- B) Sentence
- C) Proverb ✓

**Q48.** He reached Kohat \_\_\_\_ bus.

- A) At
- B) Over
- C) On
- D) By ✓

**Q49.** Do you \_\_\_\_ playing football?

- A) Liking
- B) Liked
- C) Like ✓

**Q50.** She gets up early \_\_\_\_ the morning.

- A) On
- B) At
- C) In ✓

**Q51.** If you are lazy, you \_\_\_\_ late.

- A) Would
- B) While
- C) Will ✓

**Q52.** New York is expensive, \_\_\_\_ I like it.

- A) And
- B) So
- C) But ✓
- D) Because

**Q53.** Life in New York is \_\_\_\_.

- A) Exciter
- B) Exciting ✓
- C) Exctily
- D) Excited

**Q54.** \_\_\_\_ is going to the party.

- A) Everything
- B) Everyone ✓
- C) Everyday

**Q55.** Auxiliary verb is also called:

- A) Adverb
- B) Adjective
- C) Helping verb ✓
- D) Proverb

**Q56.** He didn't promise \_\_\_\_ the work.

- A) Finish
- B) Finished
- C) To finish ✓
- D) Finishing

**Q57.** What \_\_\_\_ you \_\_\_\_?

- A) Are, man
- B) Do, them
- C) Do, do ✓

**Q58.** He has \_\_\_\_ living here for two months.

- A) Been ✓
- B) Benign
- C) Between

**Q59.** English is spoken all \_\_\_\_ the world.

- A) At
- B) On
- C) Over ✓

**Q60.** They often eat \_\_\_\_ chocolate.

- A) A
- B) The
- C) None ✓
- D) An

**Q61.** Smoking \_\_\_\_ a bad habit.

- A) On
- B) Is ✓
- C) In

**Q62.** Neither I nor my friend \_\_\_\_.

- A) Be happy ✓

- B) Then happy
- C) Are happy

**Q63.** I will never ask you \_\_\_\_ me.

- A) Helping
- B) Help ✓
- C) Helps

**Q64.** Words that join other words or groups:

- A) Adverb
- B) Conjunction ✓
- C) Verb
- D) Interjection

**Q65.** A word that modifies a verb or adjective:

- A) Verb
- B) Interjection
- C) Adverb ✓
- D) Conjunction

**Q66.** The person or thing that does the action:

- A) Proverb
- B) Verb
- C) Subject ✓
- D) Object

**Q67.** She can \_\_\_\_ both Italian and German.

- A) Spoken
- B) Speaking
- C) Speak ✓
- D) Spoke

**Q68.** She \_\_\_\_ a uniform.

- A) Wears ✓
- B) While
- C) Were

**Q69.** Past continuous tense denotes:

- A) Past indefinite
- B) Past continuous ✓
- C) Past perfect

**Q70.** Opposite of ugly:

- A) Peaceful

- B) Beautiful ✓
- C) Reveal

**Q71.** \_\_\_ weather is clear, we will go on a picnic.

- A) Before
- B) At
- C) After
- D) If ✓

**Q72.** The woman \_\_\_ I saw last night.

- A) Whom
- B) Whose
- C) Who ✓

**Q73.** Largest river in Pakistan:

- A) Jehlum
- B) Indus ✓
- C) Ravi

**Q74.** I love animals \_\_\_ are friendly.

- A) Which ✓
- B) Were
- C) Where

**Q75.** You reach \_\_\_ Sunday.

- A) In
- B) On ✓
- C) At

**Q76.** This is the girl \_\_\_ gave me the car.

- A) Whose
- B) Who ✓
- C) Whom

**Q77.** The clerk was talking to the woman he was talking to \_\_\_.

- A) The
- B) Him
- C) Them ✓
- D) They

**Q78.** He is \_\_\_ efficient.

- A) The
- B) At
- C) A

D) An ✓

**Q79.** She \_\_\_ in my face.

A) Nothing

B) Lied ✓

C) Love

**Q80.** If you have any problem, you can call me. (Choose correct conditional word)

A) As

B) Where

C) If ✓

**Q81.** You are the first person \_\_\_ gets up early.

A) Whose

B) Where

C) Whom

D) Who ✓

**Q82.** I was watching TV \_\_\_ I went to bed.

A) Before

B) If

C) After ✓

**Q83.** He acts \_\_\_ an undertaker.

A) A

B) As ✓

C) At

**Q84.** She can't swim, \_\_\_ she?

A) Would

B) Could not

C) Can't ✓

**Q85.** Bi means:

A) One

B) Two ✓

C) Four

D) Three

**Q86.** Full form of won't:

A) Will not ✓

B) Why not

C) Would not

**Q87.** Sound wave is:

- A) Mechanical only
- B) Longitudinal only
- C) Transverse only
- D) Transverse + Mechanical ✓

**Q88.** How many types of waves?

- A) Three
- B) Five
- C) One
- D) Two ✓

**Q89.** Hooke's law: Force is proportional to:

- A) Displacement ✓
- B) Restoring
- C) Length

**Q90.** In gases, heat is transferred by:

- A) All
- B) Convection ✓
- C) Conduction
- D) Radiation

**Q91.** Rate of heat flow in a metal rod does NOT depend on:

- A) Time
- B) Area
- C) Temperature gradient
- D) Mass of rod ✓

**Q92.** If transpose of matrix = negative of matrix, it is:

- A) Diagonal
- B) Skew-symmetric ✓
- C) Rectangular

**Q93.** Arrangement of rows and columns in brackets:

- A) Square
- B) Matrix ✓
- C) Column

**Q94.**  $\cot \phi = ?$

- A)  $1/\operatorname{cosec}$
- B)  $1/\cos$
- C)  $1/\tan$  ✓

**Q95.**  $1/\operatorname{cosec} = ?$

- A)  $1/\cot$
- B)  $1/\sec$
- C)  $1/\sin$  ✓

**Q96.**  $2\pi$  radian = ?

- A) 7.283 rad
- B) 6.283 rad ✓
- C) 5.283 rad

**Q97.**  $3\pi/2$  radian = ?

- A) 5.712
- B) 7.712
- C) 4.712 ✓

**Q98.**  $3\pi/3$  radian = ?

- A) 4.1416
- B) 2.1416
- C) 3.1416 ✓

**Q99.** If rows = columns, matrices are conformable for:

- A) Multiplication ✓
- B) Square
- C) Products

**Q100.** In  $a : b$ ,  $a$  is called:

- A) Numerator
- B) Antecedent ✓
- C) Consequent
- D) Denominator

**Q101.** In  $a : b$ ,  $b$  is called:

- A) Denominator
- B) Antecedent
- C) Consequent ✓
- D) Numerator

**Q102.** One quantity increases, other decreases:

- A) Direct proportion
- B) None
- C) Inverse proportion ✓

**Q103.** Team wins 5, loses 7. Ratio won to lost:

- A) 7

- B) 5
- C) 7:5
- D) 5:7 ✓

**Q104.**  $3\pi/2$  degrees = ?

- A)  $275^\circ$
- B)  $270^\circ$  ✓
- C)  $260^\circ$

**Q105.**  $\pi/3 = ?$

- A)  $60^\circ$  ✓
- B)  $70^\circ$
- C)  $65^\circ$

**Q106.** Angle  $1^\circ$  to  $90^\circ$  lies in quadrant:

- A) 3rd
- B) 1st ✓
- C) 2nd

**Q107.** Triangle with one complementary angle:

- A) Triangle
- B) Acute angle
- C) Right angle triangle ✓

**Q108.** Cosec = ?

- A)  $1/\cot$
- B)  $1/\sin$  ✓
- C) None

**Q109.** Car travels 15 km on 1 liter. Cost = 90 Rs/liter. Distance on 450 Rs:

- A) 85 km
- B) 70 km
- C) 80 km
- D) 75 km ✓

**Q110.** Series: BY, CX, DW, ?

- A) ES
- B) EV ✓
- C) EU
- D) VE

**Q111.** STEP = 3165, then PETS = ?

- A) 3615
- B) 6135

- C) 5316
- D) 5613 ✓

**Q112.** SKYWAYS = 6738937, then WAYS = ?

- A) 8793
- B) 3987
- C) 7398
- D) 8937 ✓

**Q113.** Children go to parks because:

- A) Magic
- B) Entertainment ✓
- C) Enjoying

**Q114.** If TV is watched, then book is to:

- A) Title
- B) Seen
- C) Read ✓

**Q115.** Which is different?

- A) Triangle
- B) Rectangle
- C) Quadrilateral
- D) Square ✓

**Q116.** One fifth of one third = ?

- A) 1/10
- B) 1/15 ✓
- C) 1/20

**Q117.** Series: 1, 3, 4, 7, 11, ?

- A) 76
- B) 29
- C) 47
- D) 18 ✓

**Q118.** Palm : Elbow :: Sole : ?

- A) Knee
- B) Foot ✓
- C) Leg
- D) Ankle

**Q119.** 33 Sindhi, 22 Urdu, 12 both. Only Sindhi speakers:

- A) 36

- B) 33 ✓
- C) 39
- D) 45

**Q120.** Dear : Dare :: Tear : ?

- A) Tera
- B) Tear
- C) Tare ✓
- D) Aret

**Q121.** One fifth of one tenth = ?

- A) 1/15
- B) 1/35
- C) 1/50 ✓
- D) 1/25

**Q122.** Series: 2, 3, 5, 8, 13, ?

- A) 23
- B) 25
- C) 21
- D) 19 ✓

**Q123.**  $3 \times 4 = 14$ ,  $5 \times 7 = 24$ , then  $9 \times 2 = ?$

- A) 25
- B) 23
- C) 21
- D) 22 ✓

**Q124.**  $J + K = 21$ ,  $J + L = ?$  (pattern based)

- A) 23
- B) 24
- C) 21
- D) 22 ✓

**Q125.** Bang-e-Dara written by:

- A) Chaudhry Rahmat Ali
- B) Allama Iqbal ✓
- C) Quaid-e-Azam

**Q126.** Different: Certain, Vague, Absolutely, True

- A) Vague
- B) True
- C) Absolutely ✓
- D) Certain

**Q127.** 5 gallons juice = 75 Rs. Price of 9 gallons:

- A) 115
- B) 125
- C) 135 ✓
- D) 145

**Q128.** Foot : Shoes :: Glove : ?

- A) Fingers
- B) Foot
- C) Hand ✓
- D) Elbow

**Q129.** Series: BAC, EDF, HGI, ?

- A) KJL ✓
- B) KLJ
- C) LJK
- D) JKL

**Q130.** Series: 5, 15, 18, 54, ?

- A) 264
- B) 57 ✓
- C) 59
- D) 162

**Q131.** Series: 6, 9, 8, 11, 10, 13, 12, 15, ?

- A) 16
- B) 17
- C) 18
- D) 14 ✓

**Q132.** Hooke's law formula:

- A)  $k = Fx$
- B)  $F = kx$
- C)  $F = -kx$  ✓

**Q133.** Cell theory presented by:

- A) JJ Thomson
- B) Theodor Schwann ✓
- C) Newton

**Q134.** On rough surface, bicycle speed:

- A) Increase
- B) Same

C) Decrease ✓

**Q135.** Particles move along direction of wave propagation:

- A) Mechanical waves
- B) Transverse waves
- C) Longitudinal waves ✓

**Q136.** Reflection from concave mirror: parallel rays meet at:

- A) None
- B) Focal point ✓
- C) Concave mirror

**Q137.** Hydraulic press depends on:

- A) Newton's law
- B) None
- C) Pascal's law ✓

**Q138.** Electricity can conduct through:

- A) Diamond
- B) Water
- C) Sugar solution
- D) Salt solution ✓

**Q139.** Purity of gold checked by:

- A) Law of inertia
- B) Archimedes' principle ✓
- C) Pascal's law

**Q140.** If  $F$  positive, image is:

- A) Virtual and real
- B) Real and virtual
- C) Real and inverted ✓

**Q141.** Splitting force into perpendicular components:

- A) Vector
- B) Components
- C) Resolution of vector ✓

**Q142.** Momentum is:

- A) Scalar
- B) Infinite
- C) Vector ✓

**Q143.** Movement of door is due to:

- A) Contribute
- B) Vector
- C) Both forces and torques ✓

**Q144.** Converging lens = ?

- A) Diverging lens
- B) Concave lens
- C) Convex lens ✓

**Q145.** Diverging lens = ?

- A) Convex lens
- B) Concave lens ✓
- C) None

**Q146.** Cork on moving water moves:

- A) Down
- B) Up
- C) Up and down ✓

**Q147.** Kilowatt-hour is unit of:

- A) Meter
- B) Energy ✓
- C) Volt

**Q148.** Stress proportional to strain within elastic limit:

- A) Charles' law
- B) Pascal's law
- C) Hooke's law ✓

**Q149.** Galvanometer to ammeter: connect:

- A) High resistance in series
- B) Low resistance in series
- C) Low resistance in parallel ✓

**Q150.** Liquid has definite volume but no definite:

- A) Mass
- B) Shape ✓
- C) Density

**Q151.** Electrical resistivity depends on:

- A) Thickness
- B) Length
- C) Shape
- D) Nature of material ✓

Q152. Unit of electric power also expressed as:

- A) Joule second
- B) Kilowatt-hour ✓
- C) Watt second
- D) Volt-ampere

Q153. If current doubled, heat produced:

- A) Four times ✓
- B) Same
- C) Twice
- D) Thrice

Q154. Voltage = ?

- A) Work × Charge × Time
- B) Work × Charge
- C) Work × Time / Current
- D) Work / (Current × Time) ✓

Q155. Object moves closer to convex lens, image shifts:

- A) First away then toward
- B) Toward lens
- C) Away from lens ✓
- D) First toward then away

Q156. Roots of  $2x^2 + x + 4 = 0$ :

- A) Both negative
- B) Positive & negative
- C) Both positive
- D) No real roots ✓

Q157. Which is not quadratic?

- A)  $(x+2)(x-1) = x^2 - 2x - 3$
- B)  $(x+2)^2 = 2(x+3)$
- C)  $x^2 + 3x = (-1)(1-3x)^2$
- D)  $x^3 - x^2 + 2x + 1 = (x+1)^3$  ✓

Q158. Army : Navy :: Soldier : ?

- A) PAF
- B) Airman
- C) Sailor ✓

Q159. First Governor General of Pakistan:

- A) Liaqat Ali Khan

- B) Sikandar Mirza
- C) Quaid-e-Azam ✓

**Q160.** Different: English, Punjabi, Seraiki, Pashto

- A) Pashto
- B) Seraiki
- C) Punjabi
- D) English ✓

**Q161.** National flower of Pakistan:

- A) Sunflower
- B) Jasmine ✓
- C) Red Rose

**Q162.** National game of Pakistan:

- A) Football
- B) Hockey ✓
- C) Cricket

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