





Direction (Q.1 - 5): Read the passage carefully and answer the questions given below.

Throughout history, literature has served as both a reflection of society and a means of influencing public opinion. Novelists, poets, and dramatists frequently address political conflicts, moral dilemmas, and social injustices through their works. In some cases, literary movements have even inspired significant social reforms by challenging dominant ideologies and encouraging critical thought among readers. Nevertheless, literature is not always interpreted uniformly; cultural background, education, and personal experience often shape individual understanding of a text. As a result, the same literary work may evoke admiration in one audience while provoking criticism in another.

1. **What is the primary purpose of the passage?**
 - A. To criticize modern literature
 - B. To explain the influence and interpretation of literature
 - C. To compare poetry with drama
 - D. To discuss the decline of reading habits
2. **Which of the following can be inferred from the passage?**
 - A. Literature has contributed to social change.
 - B. Literary works are interpreted identically by all readers.
 - C. Political themes are absent from most literary works.
 - D. Education has little effect on literary interpretation.
3. **Why might readers interpret the same work differently?**
 - A. Because literary language lacks meaning
 - B. Because personal and cultural factors affect interpretation
 - C. Because authors intentionally confuse readers
 - D. Because literature is based entirely on imagination
4. **The passage indicates that literature can challenge:**
 - A. Scientific discoveries
 - B. Economic systems only
 - C. Dominant ideologies and social beliefs
 - D. Transportation and communication systems
5. **The word "evoke" most nearly means:**
 - A. Create or bring out
 - B. Hide completely
 - C. Translate accurately
 - D. Reject permanently

6. **What is the synonym of "Vast"?**

- | | |
|---------|-----------|
| A. Tiny | B. Narrow |
| C. Weak | D. Huge |

7. **Select the correctly spelt word:**

- | | |
|----------------|-----------------|
| A. Maintenance | B. Maintainance |
| C. Maintanance | D. Maintenance |

8. **Choose the antonym of "Artificial":**

- | | |
|-------------|------------|
| A. Modern | B. False |
| C. Creative | D. Natural |

9. **Choose the meaning of the idiom "Hit the nail on the head":**

- A. To hit someone with the intension to cause injury
- B. To work very slowly making work lingering
- C. To describe exactly what is causing a situation
- D. To make a careless mistake

10. **Fill in the blank:**

The committee _____ divided in its opinion.

- | | |
|--------|---------|
| A. are | B. were |
| C. is | D. have |

11. **Identify the error:**

One of my friend lives in Delhi.

- | | |
|-----------|--------------|
| A. One of | B. my friend |
| C. lives | D. in Delhi |

12. **Fill in the blank:**

The book was divided _____ three sections.

- | | |
|----------|------------|
| A. among | B. between |
| C. for | D. into |

13. **Fill in the blank:**

No sooner had he arrived _____ the meeting began.

- | | |
|---------|----------|
| A. when | B. than |
| C. then | D. while |

14. **Choose the word nearest in meaning to "Meticulous":**

- | | |
|-------------|--------------|
| A. Precise | B. Careless |
| C. Ordinary | D. Impulsive |

15. **Choose the correct sentence:**

- A. Each of the employees were rewarded.
- B. Each employee were rewarded.
- C. Each employees were rewarded.
- D. Each of the employees was rewarded.

16. **Select the correctly punctuated sentence:**

- A. In my opinion however the decision was justified.
- B. In my opinion, however, the decision was justified.
- C. In my opinion however, the decision was justified.
- D. In my opinion; however the decision was justified.



- 35. A nurse administering oxygen must ensure:**
A. Appropriate oxygen flow for all patients
B. Appropriate level of patient consciousness
C. Appropriate flow rate, device selection, and SpO₂ monitoring
D. Appropriate medical supervision at all times
- 36. Catheter care is which type of nursing procedure?**
A. Diagnostic B. Therapeutic/Clinical
C. Administrative D. Educational
- 37. Which nursing duty is related to rehabilitation?**
A. Assisting patients during surgical procedures
B. Assisting patients with medication administration
C. Assisting patients during laboratory investigations
D. Assisting patients in regaining functional independence
- 38. Infection control practice by nurses includes:**
A. Hand hygiene only B. Wearing gloves only
C. Using antibiotics D. All standard precaution
- 39. Nursing is considered both a science and an art because:**
A. It involves applying scientific knowledge and compassionate care
B. It involves wearing professional uniforms
C. It involves performing laboratory investigations
D. It involves working in healthcare institutions
- 40. The term 'nursing' is derived from:**
A. Latin word 'nutrix'
B. Greek word 'noose'
C. French word 'nurse'
D. German word 'nurs'
- 41. The empirical formula of glucose (C₆H₁₂O₆) is:**
A. CHO B. CH₂O
C. C₂H₄O₂ D. C₆H₁₂O₆
- 42. According to Pauli Exclusion Principle, two electrons in an atom cannot have:**
A. The same energy state
B. The same spin state
C. The same set of quantum numbers
D. The same orbital location
- 43. The bond angle in ammonia is approximately:**
A. 180° B. 120°
C. 109.5° D. 107°
- 44. Hydrogen bonding causes:**
A. Lower boiling point
B. Higher boiling point
C. Metallic character
D. Increased conductivity
- 45. Common ion effect suppresses:**
A. Ionization B. Hydrolysis
C. Neutralization D. Solubility only
- 46. Free radicals are formed by:**
A. Homolytic fission
B. Heterolytic fission
C. Condensation
D. Reduction
- 47. Ethene decolorizes bromine water due to:**
A. Polymerization
B. Oxidation reaction
C. Substitution reaction
D. Addition reaction
- 48. Raoult's law is applicable to:**
A. Ideal solutions B. Colloids
C. Suspensions D. Emulsions
- 49. Rusting of iron is an example of:**
A. Neutralization B. Corrosion
C. Reduction D. Hydrolysis
- 50. Half-life of first-order reaction:**
A. Depends on concentration
B. Is zero
C. Is independent of concentration
D. Increases with temperature only
- 51. Lucas test is used to distinguish:**
A. Aldehydes and ketones
B. Amines and amides
C. Alcohols and carboxylic acids
D. Primary, secondary and tertiary alcohols
- 52. Tollen's reagent is used to identify:**
A. Alcohols B. Carboxylic acids
C. Aldehydes D. Ethers
- 53. Diazonium salts are mainly used in preparation of:**
A. Alkanes B. Dyes
C. Alcohols D. Ketones
- 54. Proteins are polymers of:**
A. Amino acids B. Fatty acids
C. Nucleotides D. Glucose
- 55. The most electronegative element is:**
A. Oxygen B. Chlorine
C. Nitrogen D. Fluorine
- 56. Hydrogen bonding is strongest in:**
A. HF B. HCl
C. HBr D. HI



57. RNA differs from DNA mainly because RNA contains:
- A. Thymine
 - B. Cytosine only
 - C. Uracil
 - D. Double helix
58. Which compound gives effervescence with sodium bicarbonate?
- A. Ethanol
 - B. Phenol
 - C. Acetic acid
 - D. Ether
59. The number of molecules present in 22.4 L of oxygen gas at STP is:
- A. 3.01×10^{23}
 - B. 6.02×10^{23}
 - C. 1.204×10^{24}
 - D. 2.24×10^{22}
60. Ionization enthalpy generally:
- A. Remains constant
 - B. First decreases then increases
 - C. Decreases across a period
 - D. Increases across a period
61. The correct order of steps in Polymerase Chain Reaction (PCR) is
- A. Annealing → Extension → Denaturation
 - B. Denaturation → Extension → Annealing
 - C. Extension → Denaturation → Annealing
 - D. Denaturation → Annealing → Extension
62. Choose correct statements out of the following
- (1) lac z gene codes for beta galactosidase
 - (2) lac operon gets switched on in presence of lactose
 - (3) Permease is encoded by lac y gene
- A. All are correct
 - B. All are incorrect
 - C. (1) and (2) are correct only
 - D. (2) and (3) are correct only
63. The plant in which leaf emerges alternately at each node is
- A. Calotropis
 - B. China Rose
 - C. Guava
 - D. All of these
64. Which of the following tissues originates from the ectoderm of the embryo?
- A. Skeletal muscle tissue
 - B. Nervous tissue
 - C. Connective tissue
 - D. Muscular tissue
65. A bite of tsetse fly may transmit to humans
- A. Leishmania Donovan
 - B. Entamoeba histolytica
 - C. Trypanosoma gambiense
 - D. Plasmodium vivax
66. The taxonomic category immediately above genus is:
- A. Family
 - B. Order
 - C. Class
 - D. Species
67. Double fertilization is absent in:
- A. Angiosperms
 - B. Monocots
 - C. Dicots
 - D. Gymnosperms
68. Companion cells are associated with:
- A. Xylem vessels
 - B. Tracheid
 - C. Sieve tube elements
 - D. Cork cells
69. Cristae are associated with:
- A. Chloroplast
 - B. Nucleus
 - C. Mitochondria
 - D. Ribosomes
70. Enzymes lower the:
- A. Free energy of reaction
 - B. Activation energy
 - C. Product concentration
 - D. Equilibrium constant
71. Photolysis of water occurs in:
- A. Stroma
 - B. Outer membrane
 - C. Grana
 - D. Cytoplasm
72. Respiratory quotient of fats is approximately:
- A. 2.0
 - B. 1.5
 - C. 1.0
 - D. 0.7
73. The pacemaker of the human heart is:
- A. Purkinje Fibers
 - B. Bundle of His
 - C. AV node
 - D. SA node
74. Myasthenia gravis primarily affects:
- A. Muscles
 - B. Bones
 - C. Kidney
 - D. Liver
75. Triple fusion results in formation of:
- A. Embryo
 - B. Endosperm nucleus
 - C. Ovule
 - D. Seed coat
76. Incomplete dominance is exhibited in:
- A. ABO blood group
 - B. Snapdragon flower colour
 - C. Haemophilia
 - D. Colour blindness
77. Turner's syndrome is characterized by:
- A. XO
 - B. XXY
 - C. XXX
 - D. XYY
78. Lac operon is an example of:
- A. DNA repair
 - B. Mutation
 - C. Gene regulation
 - D. Translation
79. Vaccines primarily stimulate:
- A. Passive immunity
 - B. Natural passive immunity
 - C. Innate immunity only
 - D. Artificial active immunity



80. Ecological pyramids are always upright for:

- A. Energy
- B. Biomass
- C. Number
- D. Producers only

81. The focal length of a convex lens is 20 cm. An object is placed at 30 cm. The image distance is:

- A. 60 cm
- B. 30 cm
- C. 20 cm
- D. 10 cm

82. Which electromagnetic wave has maximum penetrating power?

- A. Infrared rays
- B. Microwaves
- C. X-rays
- D. Gamma rays

83. Binding energy per nucleon is maximum near:

- A. Hydrogen
- B. Uranium
- C. Iron
- D. Helium

84. de-Broglie wavelength is inversely proportional to:

- A. Velocity
- B. Momentum
- C. Energy
- D. Frequency

85. Optical fiber works on:

- A. Interference
- B. Diffraction
- C. Total internal reflection
- D. Polarization

86. Power factor in a purely resistive AC circuit is:

- A. 0
- B. 0.5
- C. 1
- D. Infinite

87. Magnetic field at the centre of a circular current carrying loop depends on:

- A. Radius of loop
- B. Current through loop
- C. Number of turns
- D. All of these

88. Combination of capacitors in parallel results in:

- A. Decreased capacitance
- B. Increased capacitance
- C. Zero capacitance
- D. Infinite resistance

89. Coulomb's law is valid for:

- A. Point charges only
- B. Magnetic poles
- C. Current carrying wires
- D. Neutral bodies only

90. The restoring force in SHM is:

- A. Constant
- B. Proportional to displacement
- C. Independent of displacement
- D. Zero at extremes

91. Stefan's law states that energy radiated is proportional to:

- A. T^5
- B. T^3
- C. T^2
- D. T^4

92. Water rises in a capillary tube due to:

- A. Viscosity
- B. Surface tension
- C. Pressure difference
- D. Buoyancy

93. Young's modulus is the ratio of:

- A. Stress to strain
- B. Strain to stress
- C. Force to area
- D. Pressure to volume

94. Radius of gyration depends upon:

- A. Amount of mass in the body
- B. Speed of motion of the body
- C. Arrangement of mass in the body
- D. Torque acting on the body

95. Banking of roads helps to:

- A. Increase friction
- B. Reduce speed
- C. Provide centripetal force
- D. Increase momentum

96. The angle between two equal vectors when their resultant is equal to either vector is:

- A. 180°
- B. 90°
- C. 60°
- D. 120°

97. The dimensional formula of gravitational constant is:

- A. $[M^{-1}L^3T^{-2}]$
- B. $[ML^2T^{-2}]$
- C. $[M^{-2}L^3T^{-2}]$
- D. $[ML^{-1}T^{-2}]$

98. The magnetic field around a straight conductor is:

- A. Elliptical
- B. Circular
- C. Parabolic
- D. Linear

99. The capacitance of a capacitor depends upon:

- A. Geometry of plates
- B. Charge only
- C. Potential only
- D. None of the above

100. Hooke's law is valid within:

- A. Melting point
- B. Breaking point
- C. Plastic limit
- D. Elastic limit

