सत्यमेव जयते

रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD

CEN 07/2024 - मिनिस्ट्रियल और आइसोलेटेड कोटियाँ / CEN 07/2024 - Ministerial & Isolated Categories

Test Date	12/09/2025
Test Time	4:30 PM - 6:00 PM
Subject	PUBLIC PROSECUTOR

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.
2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : **Professional Ability**

Q.1 **As per Section 107 of the Indian Penal Code, 1860, a person who intentionally aids, by any act or illegal omission, the doing of a thing is said to _____.**

Ans
A. abet the doing of that thing
B. be guilty of attempt
C. be liable for offence constituted
D. be criminal

Q.2 **A child in its mother's womb is, for many purposes, regarded by a legal fiction as already born, in accordance with which of the following maxims?**

Ans
A. Ubi jus ibi remedium
B. Nasciturus pro jam nato habetur
C. Damnum sine injuria
D. Habeus Corpus

Q.3 **The Railway Land Development Authority, constituted under the Railways Act, 1989, consists of:**

Ans
A. Chairman, Vice-Chairman and not more than three other members
B. Chairman, Vice-Chairman and not more than four other members
C. Chairman, Vice-Chairman and not more than two other members
D. Chairman, Vice-Chairman and not more than five other members

Q.4 **Under the Bhartiya Nagarik Suraksha Sanhita, 2023, the classes of criminal courts are provided under which of the following provisions?**

Ans
A. Section 8
B. Section 10
C. Section 7
D. Section 6

Q.5 **Under the Railways Act, 1989, the powers of Commissioners of Railway Safety are subject to the control of:**

Ans
A. Divisional Railway Administration
B. Central Government
C. Railway Station Master
D. State Government

Q.6 **Under the Bharatiya Sakshya Adhiniyam, 2023, facts that are the occasion, cause, or effect of facts in issue are considered:**

Ans

A. relevant facts in judicial trials

B. hearsay evidence in judicial trials

C. admissible with judicial approval

D. irrelevant facts in judicial trials

Q.7 **Under the Bharatiya Nagarik Suraksha Sanhita, 2023, 'bailable offence' means an offence that is shown as bailable in the:**

Ans

A. Third Schedule

B. Fourth Schedule

C. Second Schedule

D. First Schedule

Q.8 **As per Section 329 of the Bhartiya Nyaya Sanhita, 2023, in which of the following cases of criminal trespass is house trespass constituted?**

Ans

A. Buying, building, belonging to another

B. Remaining in any building, used as a human dwelling

C. Letting the building as a tenant

D. Selling a building belonging to another

Q.9 **Under the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, every employer having ___ or more employees is required to constitute an Internal Complaints Committee (ICC).**

Ans

A. 15

B. 7

C. 10

D. 12

Q.10 **In the Constitution of India, no person shall be prosecuted and punished for the same offence more than once. This is recognised under which of the following?**

Ans

A. Article 21A

B. Article 31

C. Article 20(2)

D. Article 24(1)

Q.11 **Which Section of the Bharatiya Nyaya Sanhita, 2023, provides that 'Nothing is an offence which is done in the exercise of the right of private defence'?**

Ans

A. Section 31

B. Section 34

C. Section 32

D. Section 33

Q.12 **As per Bhartiya Nyaya Sanhita 2023, if 'Z', a person of unsound mind, attempts to kill A, 'Z' is guilty of no offence, but _____.**

Ans

A. right to attack is suspended due to insanity

B. the law treats them at par with other criminals for punishment

C. A has the same right of private defence which he would have if Z were sane

D. A has no right of private defence as Z were insane

Q.13 **If a conviction under Section 125 of the Bharatiya Nagarik Suraksha Sanhita, 2023, is set aside on appeal, what happens to the bond that was executed for keeping the peace?**

Ans

A. It extends by six months.

B. It remains enforceable.

C. It becomes voidable.

D. It becomes void.

Q.14 **In order to admit B's statement as a dying declaration under Section 107 of the Bhartiya Sakshya Adhiniyam, 2023, A must prove that:**

Ans

A. B has died

B. B is contemplating death

C. B's statement is recorded by Magistrate

D. B is alive and healthy

Q.15 **The right of arrested person to meet an advocate of his choice during interrogation is guaranteed under the Bharatiya Nagarik Suraksha Sanhita, 2023, under _____.**

Ans

A. Section 37

B. Section 39

C. Section 36

D. Section 38

Q.16 **As per the Railway Protection Force Act, 1957, which authority is responsible for maintaining the Railway Protection Force?**

Ans

A. The State Government

B. The Concerned Railway Divisions

C. The Central Government

D. The Railway Board

Q.17 **According to the provisions of the Bharatiya Nyaya Sanhita, 2023, in order to seek the defence of unsoundness of mind, the mental incapacity must exist:**

Ans

A. before the act and after the act

B. while under police custody

C. at the time of the act

D. only after the act

Q.18 **As per the Bharatiya Nagarik Suraksha Sanhita, 2023, who is the head of the Executive Magistrates in a district?**

Ans

A. Additional Sessions Judge

B. District Magistrate

C. Sessions Judge

D. Chief Judicial Magistrate

Q.19 **As per Section 20C of the Railways Act, 1989, which of the following time periods is stipulated for payment of compensation after completion of works causing damage, especially on land excluded from acquisition proceedings?**

Ans

A. Within 6 months

B. Within 9 months

C. Within 2 months

D. Within 3 months

Q.20 **The general exception relating to insanity under the Bharatiya Nyaya Sanhita, 2023, is based on which common law principle?**

Ans

A. Rule in R v Blaue

B. Doctrine of doli incapax

C. M'Naghten rule

D. Rule in Pinnel's Case

Q.21 **According to Section 313 of the Bharatiya Nyaya Sanhita, 2023, the punishment prescribed for belonging to a gang habitually committing theft or robbery (not being a gang of dacoits) is:**

Ans

A. a life imprisonment and a fine

B. rigorous imprisonment for up to 7 years and a fine

C. simple imprisonment for up to 10 years and a fine

D. simple imprisonment for up to 3 years and a fine

Q.22 **Under Section 120A of the IPC, criminal conspiracy is committed when:**

Ans

A. four or more persons agree to do or cause an illegal act or a legal act by illegal means

B. three or more persons agree to do or cause an illegal act or a legal act by illegal means

C. two or more persons agree to do or cause an illegal act or a legal act by illegal means

D. five or more persons agree to do or cause an illegal act or a legal act by illegal means

Q.23 **According to the Constitution of India, protection against self-incrimination is available:**

Ans

A. from the moment of arrest of accused of an offence

B. from the moment a person is formally accused of an offence

C. from the date of first court appearance by accused of an offence

D. from the date of filing FIR against accused of an offence

Q.24 **Which term in Section 15 of the Bharatiya Nyaya Sanhita, 2023, is key to determining whether a person can claim immunity when acting under a court's order?**

Ans

A. Malice

B. Consent

C. Negligence

D. Good faith

Q.25 **According to Section 66 of the Bharatiya Nagarik Suraksha Sanhita, 2023, who is explicitly excluded from being qualified as a family member, to whom a summon may be lawfully served?**

Ans

A. Neighbour

B. Friend

C. Servant

D. Boarder

Q.26 **Under the Bharatiya Nagarik Suraksha Sanhita, 2023, when an Executive Magistrate believes that a person is likely to commit a breach of peace, he may require the person to furnish a bond or bail bond for keeping the peace for a period not exceeding _____.**

Ans

A. three months

B. one year

C. six months

D. nine months

Q.27 **The jurisprudential principle 'nemo dat quod non habet' means:**

Ans

A. no one can give what they do not have

B. ownership is absolute and perpetual

C. possession is nine-tenths of the law

D. no one should be a judge in their own cause

Q.28 **Which landmark judgment clarified that compelling an accused to undergo a narco-analysis test without consent violates Article 20(3) of the Constitution of India?**

Ans

A. Abmereesh v. State of AP

B. Selvi v. State of Karnataka

C. Vasuki v. State of Tamil Nadu

D. Sajan v. State of Kerala

Q.29 **Under the Bharatiya Nyaya Sanhita, 2023, which Section deals with 'punishment for belonging to a gang of robbers, etc.'?**

Ans

A. Section 312

B. Section 313

C. Section 314

D. Section 311

Q.30 **As per the Bharatiya Sakshya Adhiniyam, 2023, burden of proof as to a particular fact is provided under which of the following?**

Ans

A. Section 103

B. Section 109

C. Section 106

D. Section 105

Q.31 **Self-incrimination, as provided under Article 20(3) of the Constitution of India, refers to which of the following?**

Ans

A. A person can be forced to provide handwriting samples.

B. A person can be forced to provide physical samples like fingerprints or DNA.

C. Person voluntarily admitting guilt in writing or verbally

D. An accused person can't be compelled to be a witness against himself.

Q.32 **Who is credited with formulating the Differential Association Theory?**

Ans

A. Jeremy Bentham

B. Edwin H Sutherland

C. John Keller Mathais

D. Cesare Beccaria

Q.33 **As per Section 9 of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, within what time frame must an aggrieved woman file a complaint of sexual harassment from the date of the incident?**

Ans

A. Three months

B. One month

C. Six months

D. Twelve months

Q.34 **Which landmark case in India recognised that animals have a right to live with intrinsic worth and dignity?**

Ans

A. Animal Welfare Board of India v A Nagaraja (2016) 7 SCC 547

B. Animal Welfare Board of India v A Nagaraja (2012) 7 SCC 547

C. Animal Welfare Board of India v A Nagaraja (2013) 7 SCC 547

D. Animal Welfare Board of India v A Nagaraja (2014) 7 SCC 547

Q.35 **Under the Railway Property (Unlawful Possession) Act, 1966, for committing theft of railway property, in the case of a second or subsequent offence, and in the absence of special and adequate reasons recorded in the judgment, the minimum term of imprisonment shall be:**

Ans

A. 2 years

B. 18 months

C. 1 year

D. 3 years

Q.36 **Under the Bharatiya Sakshya Adhiniyam, 2023, the burden of proof lies on the person who:**

Ans

A. asserts facts

B. denies facts

C. records facts

D. judges facts

Q.37 **Which of the following principles applies to an unborn child in relation to property rights in Indian law?**

Ans

A. Doctrine of promissory estoppel

B. Doctrine of relation back

C. Nemo dat quod lex habet

D. Nemo dat quod non habet

Q.38 **How does the Railway Protection Force Act, 1957 define “under officer”?**

Ans

A. A person appointed to the Force as a Chief Inspector

B. A person appointed to the Force as a Subedar

C. A person appointed to the Force as a Sub-Inspector

D. A person appointed to the Force as a Head Constable or Naik

Q.39 **Under the Bharatiya Nagarik Suraksha Sanhita, 2023, state governments are obliged to constitute how many classes of criminal courts?**

Ans

A. 4

B. 2

C. 3

D. 5

Q.40 **As per Section 5 of the Railways Act,1989, who is entitled to receive 'reasonable facilities' from the railway administration to carry out the statutory duties?**

Ans

A. The Railway Protection Officers

B. The Railway Claims Tribunal

C. The General Manager

D. The Commissioner

Q.41 **As per legal principles, the rights of an unborn child in property are recognised only if:**

Ans

A. the child is born alive

B. the child is born before the execution of a will

C. the child is adopted by the heirs

D. the child is conceived and born after death of the father

Q.42 **According to Section 5 of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, who among the following is NOT designated as the District Officer by the appropriate government to discharge functions under the Act?**

Ans

A. Joint Additional District Magistrate

B. Additional District Magistrate

C. District Magistrate

D. Deputy Collector

Q.43 **The primary objective of the Reformative Theory of Punishment is:**

Ans

A. Retribution

B. Incapacitation

C. Deterrence

D. Rehabilitation

Q.44 **According to Section 106 of the Bhartiya Sakshya Adhiniyam, 2023, in legal proceedings, when a person wants the court to believe in the existence of a particular fact, the burden of proof:**

Ans

A. is irrelevant if the fact is admitted in pleadings

B. lies on the court to independently verify the fact

C. lies on the person asserting the fact, unless the law states otherwise

D. automatically transfers to the opposing party

Q.45 **Under Section 125 of the Bharatiya Nagarik Suraksha Sanhita, 2023, what is the maximum duration for which a court may require a convicted individual to execute a bond for keeping the peace?**

Ans

A. Up to 1 year

B. Up to 2 years

C. Up to 3 years

D. Up to 4 years

Q.46 **According to Section 14 of the Bharatiya Nagarik Suraksha Sanhita, 2023, who has the authority to appoint Executive Magistrates and designate one of them as the District Magistrate?**

Ans

A. The Central Government

B. The State Government

C. The Supreme Court

D. The High Court

Q.47 **Under the Bharatiya Nyaya Sanhita, 2023, the punishment for belonging to a gang of robbers, etc., is:**

Ans

A. rigorous imprisonment up to five years and a fine

B. rigorous imprisonment up to four years and a fine

C. rigorous imprisonment up to seven years and a fine

D. rigorous imprisonment up to three years and a fine

Q.48 **According to the Bharatiya Nyaya Sanhita, 2023, public nuisance may arise from:**

Ans

A. only acts involving government property

B. both acts and illegal omissions causing public harm

C. only intentional acts causing public harm

D. only accidents with unintended consequences

Q.49 **'Criminal behaviour is learned in a process of communication in intimate groups' is an explanation of which of the following theories?**

Ans

A. Peer theory

B. Environment theory

C. Sociolegal theory

D. Differential association theory

Q.50 **The judicial trends towards recognition of which of the following rights in India have been encouraging and it forms a subset of informational privacy along with its enforcement against private entities?**

Ans

A. Right to form associations

B. Right to equality

C. Right to religion

D. Right to be forgotten

Section : **General Ability**

Q.51 **The first edition of the Khelo India Beach Games (KIBG), held under the Khelo India banner in May 2025, took place at which location?**

Ans

A. Diu

B. Vishakhapatnam

C. Panaji

D. Chennai

Q.52 **In a computer game, a builder can build a wall in 10 hours while a destroyer can completely demolish such a wall in 20 hours. In the beginning, both builder and destroyer were set to work together on a basic level. But after 15 hours the destroyer was withdrawn. What was the total time (in hours) taken to build the wall?**

Ans

A. 16.5

B. 17

C. 16

D. 17.5

Q.53 **In which of the following States are there two houses, known as Legislative Council and Legislative Assembly (bicameral legislatures)?**

Ans

A. Gujarat

B. Punjab

C. Rajasthan

D. Bihar

Q.54 **What should come in place of the question mark (?) in the given series?**

81 97 ? 141 169 201

Ans

A. 123

B. 111

C. 101

D. 117

Q.55 **Which of the following rivers make the largest delta in India?**

Ans

A. Yamuna and Chambal

B. Ganga and Brahmaputra

C. Godavari and Kaveri

D. Mahanadi and Krishna

Q.56 **A bookstore offers a scheme: 'Buy books worth ₹1,200 or more and get ₹200 off'. If a customer buys books worth ₹1,500, what is the effective discount percentage?**

Ans

A. $15\frac{2}{3}\%$

B. $12\frac{2}{3}\%$

C. $13\frac{1}{3}\%$

D. $16\frac{1}{3}\%$

Q.57 **How did the Green Revolution impact farming time and productivity with regard to machinery usage?**

Ans

A. There was significant increase in the use of machinery, which led to high productivity and low farming time.

B. It only impacted traditional hand tools, which led to an increase in farming time and decreased productivity.

C. Machinery usage remained unchanged, hence there was no impact on farming time or productivity.

D. There was decreased reliance on agricultural machinery and thus low productivity.

Q.58 **Prime Minister Narendra Modi released the 20th instalment of the Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) scheme in August 2025 from which place?**

Ans

A. Darbhanga

B. Prayagraj

C. Varanasi

D. Bhagalpur

Q.59 **In a certain code language, 'GLAM' is coded as '4236' and 'MALE' is coded as '4396'. What is the code for 'E' in the given code language?**

Ans

A. 9

B. 4

C. 3

D. 2

Q.60 What is the median of the following distribution?

Class	120-170	170-220	220-270	270-320	320-370
Frequency	33	13	10	31	11

Ans

A. 237

B. 229

C. 235

D. 219

Q.61 **A, B, C, D, P, Q and R are sitting around a circular table facing the centre of the table. Only two people sit between R and D when counted from the left of D. P sits third to the left of B. Q sits to the immediate right of B. Q sits second to the left of R. C is not an immediate neighbour of P. Who sits third to the right of A?**

Ans

A. B

B. D

C. Q

D. R

Q.62 In August 2025, the Government of India approved four semiconductor projects under the India Semiconductor Mission (ISM) to be set-up in which three states with an outlay of ₹4,600 crore?

Ans

A. Punjab, Bihar and Gujarat

B. Odisha, Punjab and Andhra Pradesh

C. Gujarat, Assam and Andhra Pradesh

D. Maharashtra, Odisha and Uttar Pradesh

Q.63 A man travels 200 km at 50 km/hr, and the next 300 km at 60 km/hr. What is his average speed (in km/hr) for the whole journey?
(Rounded off to two decimal places)

Ans

A. 45.55

B. 55.56

C. 60.55

D. 50.55

Q.64 Which of the following Acts of the Indian Constitution empowered the President of India to constitute a GST Council by an order within sixty days from the date of commencement of the 101st Constitution Act, 2016?

Ans

A. Article 279A(1)

B. Article 280

C. Article 239-A

D. Article 329-A

Q.65 Which of these phenomena causes sudden rainfall in northwestern India during winter?

Ans

A. Cyclones from the Bay of Bengal

B. El Nino

C. South-west monsoon

D. Western disturbances

Q.66 Refer to the number series given below and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 6 2 1 5 7 3 7 8 5 3 4 5 2 4 8 4 3 6 9 7 4 2 1 5 7 9 1 (Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

Ans

A. 4

B. 3

C. 2

D. 5

Q.67 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(31, 58, 85)
(64, 91, 118)

Ans

A. (68, 95, 112)

B. (31, 58, 75)

C. (76, 103, 120)

D. (52, 79, 106)

Q.68 **Which of the following statements best describe the outcome of the British building the Coast Canal on the Odisha coast?**

Ans

A. It became economically viable due to competition with parallel railway lines.

B. It became a major mode of transport, reducing railway use in the area.

C. It proved uneconomical and was eventually abandoned due to competition from railways.

D. It was highly successful and improved trade in the region.

Q.69 **Which incident led Mahatma Gandhi to launch the Non-Cooperation Movement in 1920?**

Ans

A. Partition of Bengal

B. Jallianwala Bagh massacre

C. Simon Commission's arrival in India

D. Arrest of Bal Gangadhar Tilak

Q.70 **Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

XZA−YAB
CEF−DFG

Ans

A. JKK−KMN

B. JLM−JMM

C. JLM−KMN

D. JKK−JLM

Q.71 **Which of the following statements best explains how translocation occurs in phloem?**

Ans

A. It is a passive process involving diffusion.

B. It happens due to capillary action.

C. It is an active process requiring energy.

D. It occurs due to gravitational pull.

Q.72 **Raju obtained 75 and 85 marks in mathematics and physics, respectively. Find the marks he must get in chemistry to have an average of 80 marks in all the three subjects.**

Ans

A. 70

B. 80

C. 90

D. 60

Q.73 **Refer to the following letter series and answer the question that follows.**

(Left) G D U E Y Q E W P A E U S J F D A M B N U (Right)

If alternate letters are removed from the series, with G being the first letter to be removed, then which is the seventh letter from the left in the newly formed new series?

Ans

A. J

B. A

C. D

D. U

Q.74 **Which Union Territory was merged with Dadra and Nagar Haveli to form the new Union Territory on 26 January 2020?**

Ans

A. Andaman and Nicobar Islands

B. Chandigarh

C. Daman and Diu

D. Puducherry

Q.75 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
A. MPL
B. SVQ
C. ORM
D. QTO

Q.76 If 'P' stands for '×', 'Q' stands for '÷', 'R' stands for '−' and 'S' stands for '+', then what will come in place of the question mark (?) in the following equation?

18 P 2 R 4 Q 2 S 6 P 2 R 1 = ?

Ans
A. 42
B. 48
C. 43
D. 45

Q.77 Which of the following statements are correct?
(i) Melting point indicates the strength of forces of attraction between particles.
(ii) During melting, temperature of the solid remains constant until it has completely melted.
(iii) Boiling is a surface phenomenon.
(iv) Steam at 373 K has more energy than water at 373 K.

Ans
A. (ii) and (iii) only
B. (i), (ii), (iii) and (iv)
C. (i), (ii) and (iv) only
D. (i), (iii) and (iv) only

Q.78 What is a common feature of the stigma in flowering plants?

Ans
A. Rough and dry for protection
B. Thick and stores egg cells
C. Thin and pointed for support
D. Sticky to catch pollen grains

Q.79 Who is the first Indian to win two medals in the same edition of the Olympics (post-Independence)?

Ans
A. Sushil Kumar
B. Neeraj Chopra
C. Manu Bhaker
D. Abhinav Bindra

Q.80 If $\left(\frac{5}{3}\right)^{x-3} = \frac{3125}{243}$, find the value of $\left(\frac{5}{3}\right)^{\frac{x}{2}}$.

Ans
A. $\frac{5}{3}$
B. $\frac{625}{81}$
C. $\frac{125}{27}$
D. $\frac{25}{9}$

Q.81 In a certain code language, ‘come on time’ is coded as ‘lk pg jk’ and ‘on the way’ is coded as ‘tm jk po’. How is ‘on’ coded in the given language? (All codes are two-letter codes.)

Ans

A. po

B. pg

C. jk

D. tm

Q.82 Which launch vehicle was used to launch the NISAR satellite from ISRO’s Satish Dhawan Space Centre (SDSC) in July 2025?

Ans

A. GSLV-F15

B. GSLV-F16

C. PSLV-C61

D. PSLV-C60

Q.83 In the carbon cycle, which of the following processes releases carbon dioxide back into the atmosphere?

Ans

A. Carbon sequestration

B. Photosynthesis

C. Assimilation

D. Respiration

Q.84 In a school library, the ratio of fiction books to non-fiction books is 4 : 3. If there are 240 fiction books, how many non-fiction books are there?

Ans

A. 180 books

B. 160 books

C. 140 books

D. 200 books

Q.85 Which British policy allowed the annexation of Indian states whose rulers died without a natural heir?

Ans

A. Dual Government

B. Permanent Settlement

C. Doctrine of Lapse

D. Subsidiary Alliance

Q.86 This question is based on the following words.
COZ SYE ROB HEM
In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

Ans

A. One

B. Two

C. Four

D. Three

Q.87 **Identify the correct match between the compound and type of carbon-carbon bond.**

Compound	C–C bond type
(i) Ethane	(a) Double bond
(ii) Ethene	(b) Single bond
(iii) Ethyne	(c) Triple bond

Ans

A. i–b, ii–c, iii–a

B. i–a, ii–b, iii–c

C. i–c, ii–b, iii–a

D. i–b, ii–a, iii–c

Q.88 Find the value of

$$6\frac{4}{11} \div 3\frac{2}{11} \text{ of } 2 + 5\frac{1}{3} \text{ of } \frac{3}{8} \div 4 + 5 \times 2$$

Ans

A. 16.5

B. 18

C. 14

D. 11.5

Q.89 **Which of the following is NOT true about the Universal Law of Gravitation?**

Ans

A. It is used to study the motion of the Moon around the earth.

B. It is used to study the lifetime of planets.

C. It helps in discovering new stars and planets.

D. It is used to determine the mass of the Sun.

Q.90 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.**

Statements:

Some quilts are televisions.
Some televisions are lights.

Conclusions:

(I) Some quilts are lights.
(II) All lights are televisions.

Ans

A. Only conclusion (I) follows.

B. Both conclusions (I) and (II) follow.

C. Neither conclusion (I) nor (II) follows.

D. Only conclusion (II) follows.

Q.91 **Given below are two statements. Select the correct answer from the options given for these statements.**

Statement I: Particles of matter are continuously moving, that is, they possess what we call kinetic energy.
Statement II: With increase in temperature, the kinetic energy of the particles also increases.

Ans

A. Both statements are true.

B. Statement I is true, but Statement II is false.

C. Statement I is false, but Statement II is true.

D. Both statements are false.

Q.92 FAEG is related to MHLN in a certain way based on the English alphabetical order. In the same way, IDHJ is related to PKOQ. To which of the given options is LGKM related, following the same logic?

Ans

A. SNTR

B. SNRT

C. NSRT

D. NSTR

Q.93 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DEW30 JKC45 PQI60 VWO75 ?

Ans

A. BCV90

B. ECU90

C. BDU90

D. BCU90

Q.94 Seven boxes E, F, G, H, S, T and U are kept one over the other but not necessarily in the same order. Only H is kept above E. Only T is kept between E and S. Only F is kept below U.
How many boxes are kept between G and F?

Ans

A. Three

B. Two

C. One

D. Four

Q.95 Which of the following features enables plants to regenerate damaged tissues more efficiently than animals?

Ans

A. A large central vacuole

B. A rigid cell wall

C. The presence of chloroplasts

D. The presence of meristematic tissues

Q.96 If the area of a rhombus is 10 cm^2 and one of its interior angles is 150°, what is the perimeter (in cm) of the rhombus?

Ans

A. $8\sqrt{5}$

B. 20

C. 10

D. $4\sqrt{2}$

Q.97 Initially, the population of a town was 80,000 and increases at the rate of R%. If the population becomes 1,06,480 after three years, then the value of R is:

Ans

A. 11

B. 11.5

C. 10

D. 9.5

Q.98 What is the primary function of epithelial tissue in the animal body?

Ans

A. Coordination and control

B. Covering and protection

C. Transport of oxygen

D. Contraction and movement

Q.99 **What will happen when the forces acting on an object are unbalanced?**

Ans

A. The object's velocity will remain constant.

B. The object's direction will not change.

C. The object will accelerate in the direction of the net force.

D. The object will remain stationary.

Q.100 **Absolute refractive index of a medium is the ratio of the speed of light in _____ to the speed of light in _____.**

Ans

A. medium; vacuum

B. medium; air

C. air; medium

D. vacuum; medium