



EMRS PGT Practice Set

Q1. PM Narendra Modi recently inaugurated the 'Sri Sathya Sai Rajeswari Memorial Block' and 'Sri Madhusudan Sai Institute of Medical Sciences and Research (SMSIMSR)' & in which district of Karnataka?

- (a) Bangaluru
- (b) Chikkaballapura
- (c) Mangaluru
- (d) Hubballi

Q2. Cabinet Committee on Economic Affairs (CCEA) has approved the Minimum Support Price for Raw Jute at how many rupees per quintal for the 2023-24 season?

- (a) 2050
- (b) 3000
- (c) 4000
- (d) 5050

Q3. Who chaired the 36th Board Meeting of the "Stop Tuberculosis (TB) Partnership" on 25 March 2023?

- (a) Randeep gulleria
- (b) Dharmendra Pradhan
- (c) Mansukh Mandaviya
- (d) Kiren Rijiju

Q4. Which of the following country tested a new underwater nuclear-capable attack drone?

- (a) China
- (b) North Korea
- (c) Japan
- (d) Russia

Q5. Who inaugurated Agri-Unifest in Bengaluru?

- (a) Narendra Modi
- (b) Amit shah
- (c) Narendra Singh Tomar
- (d) Kiren Rijiju

Q6. Which military exercise took place between India and Singapore in the 2nd week of March 2023?

- (a) Garuda shakti
- (b) Hand in hand
- (c) Bold Kurukshetra
- (d) Yudh abhyas

Q7. 'Phooldei' celebrated in 1st day of Chaitra, is a festival of –

- (a) Himachal Pradesh
- (b) Jammu Kashmir
- (c) Uttar Pradesh
- (d) Uttarakhand

Q8. Who has been awarded Kerala's highest civilian honour 'Kerala Puraskarngal'?

- (a) M T Vasudevan Nair
- (b) Shankar Mahadevan
- (c) Hari Charan
- (d) Arif Muhammad khan

Q9. Who is the only Indian named in the top 10 Hurun Global Rich List 2023?

- (a) Gautam Adani
- (b) Narayan Murthy
- (c) Ratan tata
- (d) Mukesh Ambani

Q10. '26th Elevate Expo' is held in which city?

- (a) Dubai
- (b) Delhi
- (c) Riyadh
- (d) Damascus

Q11. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series. Triangle, Square, Pentagon, ?

- (a) Decagon
- (b) Heptagon
- (c) Octagon
- (d) Hexagon

Q12. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series. 200, ?, 50, 25, 12.5

- (a) 123
- (b) 225
- (c) 100
- (d) 198

Q13. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series. IJ, MN, RS, ?

- (a) NM
- (b) BA
- (c) OP
- (d) XY

(Directions 14-16):

There are 6 students namely, Anurag, Binita, Chirag, Dhanush, Esha, Farida who study in different colleges of Delhi University i.e. Hansraj, Ramjas, Sri Venkateshwara, St. Stephens, Miranda, Hindu but not necessarily in the same order. Anurag is not from Sri Venkateshwara and not from Hansraj, Farida is not from St. Stephens and not from Sri Venkateshwara. Chirag is from Miranda and Esha from Hindu. Either Farida or Binita is from Ramjas. Dhanush is not from Sri Venkateshwara.

Q14. Who among the following is from St. Stephens?

- (a) Anurag
- (b) Binita
- (c) Chirag
- (d) Dhanush

Q15. Which of the following represent the college of Farida?

- (a) Hansraj
- (b) Miranda
- (c) Ramjas
- (d) Hindu

Q16. Which of the following represent the college of Binita?

- (a) Sri Venkateshwara
- (b) Miranda
- (c) Hindu
- (d) None of these

Q17. FG : 13 :: UV : ?

- (a) 45
- (b) 55
- (c) 21
- (d) 43

Directions (18-19): There are 32 students sitting in a row from left to right facing north direction in which boys and girls are in a ratio 9 : 7. Shreya is a girl and sits 6th to the right of Shreyas (Boy) who is 11th from the left end, Raghav. Who is a boy is 8th from the right end.

Q18. If Mitali is sitting exactly between Raghav and Shreya then what is he position from the right end?

- (a) 18th
- (b) 12th
- (c) 15th
- (d) 25th

Q19. If only boys are sitting to the left of Shreya then how many remaining boys are sitting right to her?

- (a) 5
- (b) 7
- (c) 2
- (d) 4

Q20. Statement: Should ground entrepreneurs be encouraged?

Arguments:

I. Yes. They will help in industrial development of the country.

II. Yes. They will reduce the burden on employment market.

- (a) Only argument I is strong.
- (b) Only argument II is strong.
- (c) Neither I nor II is strong.
- (d) Both I and II are strong.

Q21. If "A" means "plus", "B" means "divide", "C" means "multiply" and "D" means "minus", then $187 \text{ C } 4 \text{ A } 7 \text{ D } 17 = ?$

- (a) 30
- (b) 44
- (c) 33
- (d) 34

Q22. A boy travels 4 km towards south and then takes a right turn travels another 3 km in that direction. How far and in which direction is he now from his original position?

- (a) 6 km, south
- (b) 5 km, southwest
- (c) 4 km, north
- (d) 5 km, northwest

Q23. Ram is the son-in-law of Rajesh's father-in-law. Rajesh's wife has a younger sister. How is Rajesh related to Ram?

- (a) Brother-in-law
- (b) uncle
- (c) Father
- (d) Cousin

Q24. In the following question, two statements are given each followed by two conclusions I and II. You have to consider the statement to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statements:

- (I) All birds are trees.
- (II) Some trees are hens.

Conclusion:

- (I) Some birds are hens.
- (II) Some hens are trees.
- (a) Conclusion I follows
- (b) Conclusion II follows
- (c) Neither I nor II follows
- (d) Both I and II follows

Q25. In a certain code language, "HAMMER" is written as "MAHERM". How is "MATTER" written in that code language?

- (a) TREMAT
- (b) TAMERT
- (c) TAEMRT
- (d) TARMET

Q26. MP, OR, QT, SV, ?

- (a) UX
- (b) TW
- (c) TU
- (d) XU

Q27. A series is given, with one word missing. Choose the correct alternative from the given ones that will complete the series.

bat, thin, reply, length, ?

- (a) terror
- (b) display
- (c) dome
- (d) scolding

Q28. If '+' mean 'multiplication' , '-' means 'division', 'x' means 'subtraction' and '÷' means 'addition', then $4+13 \times 549-9 \div 19$ is

- (a) 52
- (b) 10
- (c) 8
- (d) 163

Q29. If @ means +, # means -, \$ means x and * means ÷, then what is the value of

$45 * 3 \# 3 \$ 5 @ 5$

- (a) 55
- (b) 25
- (c) -25
- (d) 5

Q30. If D=2, P=8, V=11 then what is the code for Z?

- (a) 13
- (b) 26
- (c) 52
- (d) 9

Q31. Which of the following is an advantage of video conferencing in ICT?

- (a) Increased productivity
- (b) Reduced travel costs
- (c) Limited communication options
- (d) Limited accessibility to participants

Q32. Which of the following is a function of a web browser?

- (a) Indexing web pages
- (b) Storing web pages
- (c) Displaying web pages
- (d) Ranking web pages

Q33. Which of the following search engines is known for its focus on user privacy?

- (a) Google
- (b) Bing
- (c) Yahoo
- (d) DuckDuckGo

Q34. Which of the following is a web browser developed by Apple Inc.?

- (a) Google Chrome
- (b) Firefox
- (c) Safari
- (d) Edge

Q35. Choose the correct statement(s) about encryption:

- i. Encryption is the process of converting plaintext into ciphertext.
 - ii. Encryption can only be decrypted by the sender of the message.
 - iii. Encryption can be used to protect data in transit and at rest.
- (a) Only statement i is correct.
 - (b) Statements i and ii are correct.
 - (c) Statements i and iii are correct.
 - (d) All three statements are correct.

Q36. Which of the following is an example of a cyber attack that targets an organization's website by overwhelming it with traffic and causing it to crash?

- (a) Phishing
- (b) Malware
- (c) Ransomware
- (d) DDoS attack

Q37. Which of the following is a benefit of using ICT in governance?

- (a) Improved accountability
- (b) Reduced transparency
- (c) Increased corruption
- (d) Decreased citizen participation

Q38. Which of the following is a feature of both audio and video conferencing in ICT?

- (a) In-person communication
- (b) Limited remote communication
- (c) Real-time communication
- (d) Delayed communication

Q39. Which of the following is a type of memory that is characterized by its volatile nature and is used for the temporary storage of data and instructions while the computer is running?

- (a) ROM (Read-Only Memory)
- (b) PROM (Programmable Read-Only Memory)
- (c) RAM (Random Access Memory)
- (d) EPROM (Erasable Programmable Read-Only Memory)

Q40. In the realm of data storage devices, which of the following options provides the most extensive storage capacity?

- (a) USB drive, which uses flash memory technology
- (b) CD, which employs optical disc storage technology
- (c) Hard disk drive, which utilizes magnetic storage technology
- (d) Floppy disk, which is an outdated storage medium

Q41. A child-centered classroom can be created by-

- (a) providing timely feedback to the learners about their performance.
- (b) discouraging questions and keeping learners passive.
- (c) providing frequent tests and keeping learners in an intermittent state of fear.
- (d) promoting competition between learners.

Q42. Concept formation of the child depends on-

- (a) the previous experiences he/she had
- (b) his/her intelligence level
- (c) the environment in which he/she grows
- (d) all of these

Q43. Which of the following statements are true about the project method?

- i. It is a task or an activity.
 - ii. It has some purpose.
 - iii. It is conducted in a social and natural situation.
- (a) I and II
 - (b) I and III
 - (c) II and III
 - (d) I, II, and III

Q44. The learning strategy which is associated with the 5 E's (Engage, Explore, Explain, Elaborate, and Evaluate) model is:

- (a) constructivism
- (b) social inquiry model
- (c) branching programming
- (d) team teaching

Q45. One has to perform some activity, may be physical or mental, or both to learn something. It implies that

- (a) learning is a comprehensive process
- (b) learning is goal-oriented
- (c) unlearning is also a learning process
- (d) learning is an active process

Q46. A sincere teacher realizes that the amount and quality of learning are determined to a very large extent –

- A. By classroom discipline
- B. By content analysis
- C. By student interaction
- D. By reinforcement

- (a) B and C
- (b) A and D
- (c) Only A
- (d) Only C

Q47. Which of the following is an example of a teaching aid?

- (a) Whiteboard
- (b) Syllabus
- (c) Homework
- (d) Textbook

Q48. What is the purpose of an evaluation system in education?

- (a) To rank students based on their performance
- (b) To identify students' strengths and weaknesses
- (c) To impose strict discipline on students
- (d) To assign grades arbitrarily

Q49. Which teaching aid enhances auditory learning?

- (a) Flashcards
- (b) Models
- (c) Videos
- (d) Charts

Q50. What is the purpose of formative assessment?

- (a) To determine final grades
- (b) To evaluate student performance at the end of the term
- (c) To monitor student progress during instruction
- (d) To compare students' performance with peers

Directions (51-55) नीचे दिए गए गद्यांश को ध्यानपूर्वक पढ़िए और उस पर आधारित प्रश्नों के उत्तर दीजिए।

कुछ महापुरुष तटस्थ होकर चिंतन करते हैं और अन्वीक्षण, चिंतन, मनन, विश्लेषण, संश्लेषण आदि के आधार पर नई व्यवस्था की कल्पना करते हैं तथा नए मूल्यों, नए आदर्शों तथा नई आस्थाओं का सृजन करते हैं। नई व्यवस्था देने वाले ऐसे तटस्थ चिंतक धन्य होते हैं क्योंकि केवल आलोचना करते रहना तो सरल है किन्तु उपाय बताना कठिन है। मार्क्स ने कुछ उपाय बताए और लेनिन ने उन्हें मूर्त रूप दिया। रूसो, लास्की आदि ने भी उपाय बताए, उन्हें साकार करना अन्य जन पर निर्भर रहा। किन्तु कुछ महापुरुष और भी आगे बढ़ गए। उन्होंने केवल उपाय नहीं बताया बल्कि स्वयं एकनिष्ठा से उस पर आचरण करने के लिए जुट गए। महात्मा गाँधी ने जो समझा वही कहा, और जो कहा वही किया। उनके विचार, कथनी और करनी एक ही थे। उनमें अपनी बात कहने और आचरण करने का साहस था। उनका जीवन अपने सुझाए हुए उपायों एवं आदर्शों के आधार पर विहित प्रयोगों और अनुभवों की सजीव श्रृंखला है। महात्मा गाँधी काल के प्रवाह के साथ नहीं बहे। ये युग प्रवर्तक हो गए। गाँधी महान् और अलौकिक पुरुष थे।

Q51. उक्त गद्यांश का संबंध निम्नलिखित में से किससे है?

- (a) आदर्शवाद
- (b) मार्क्सवाद
- (c) समाजवाद
- (d) कर्मवाद

Q52. इस गद्यांश में लेखक ने मुख्य रूप से क्या वर्णित किया है?

- (a) कुछ महापुरुषों का चरित्र-चित्रण किया है।
- (b) मार्क्स के सिद्धांतों की व्याख्या की है।
- (c) महात्मा गाँधी के सत्याग्रह आंदोलन का महत्त्व मात्र समझाया है।
- (d) मात्र महात्मा गाँधी के चरित्र की विशिष्टता का कारण बताया है।

Q53. इस गद्यांश में लेखक ने यूरोप के कुछ महापुरुषों के विषय में क्या कहा है?

- (a) उन्होंने नए मूल्यों की स्थापना की।
- (b) उन्होंने उपाय तो बताए पर उनका कार्यान्वयन दूसरों पर छोड़ दिया।
- (c) उन्होंने कुछ नए आदर्श स्थापित किए।
- (d) ये यथार्थवादी थे।

Q54. इस गद्यांश में लेखक ने महात्मा गाँधी के विषय में क्या कहा है?

- (a) वे केवल सिद्धांतवादी थे।
- (b) उनकी कथनी और करनी में अंतर था।
- (c) वे केवल आदर्शवादी थे।
- (d) उपर्युक्त में से कोई नहीं।

Q55. 'तटस्थ चिंतन' से क्या अभिप्राय है?

- (a) स्वांतः सुखाय ऊहापोह करना।
- (b) निष्पक्ष होकर सोच-विचार करना।
- (c) एकांत में बैठकर सोचना
- (d) गंभीर चिंतन करना।

Q56. 'अनुचर' का पर्यायवाची शब्द क्या क्या है?

- (a) द्रुम
- (b) दंती
- (c) किंकर
- (d) अर्चि

Q57. 'जागरण का विलोम शब्द है-

- (a) स्निग्ध
- (b) शयन
- (c) रुक्ष
- (d) विषाद

Q58. 'महात्मा' शब्द का संधि-विच्छेद है-

- (a) महा + आत्मा
- (b) मह + आत्मा
- (c) महा + तमा
- (d) मह + आत्म

Q59. 'अपराह्न' शब्द के लिए उचित वाक्यांश छांटिए।

- (a) दोपहर से पहले का समय
- (b) दोपहर के बाद का समय
- (c) सुबह का समय
- (d) ब्रह्ममुहूर्त का समय

Q60. 'ढाक के तीन पात' लोकोक्ति का क्या अर्थ है?

- (a) सबसे द्वेष रखना
- (b) मुसीबत मोल लेना
- (c) इधर से उधर घूमते रहना
- (d) सदा एक सी स्थिति में बने रहना

Directions (61-65): Read the following passage carefully and choose the most appropriate answer to the question out of the four alternatives.

The Eiffel Tower is an iron lattice tower located at the Champ de Mars in Paris. It was named after the engineer Gustave Eiffel, whose company designed and built the tower. Erected in 1889, it was initially criticised by some of France's leading artists and intellectuals for its design, but has become both a global cultural icon of France and one of the most recognisable structures in the world. The tower is the tallest structure in Paris and the most visited monument in the world; 6.98 million people ascended it in 2011. The tower received its 250 millionth visitor in 2010.

The tower is 324 metres, about the same height as an 81-storey building. During its construction, the Eiffel Tower surpassed the Washington Monument to assume the title of the tallest man-made structure in the world. The tower has three levels for visitors, with restaurants on the first and second. Tickets can be purchased to ascend by stairs or lift to the first and second levels. Although there are stairs to the third and highest level, these are usually closed to the public and it is generally only accessible by lift. As a global landmark, the Eiffel Tower is featured in media including films, video games, and television shows.

Q61. Choose the most appropriate response.

- (a) The name of the tower is not connected with anyone.
- (b) The name of the tower is connected with a real person.
- (c) The name of the tower is connected with a certain company.
- (d) The name of the tower is connected with another tower in Paris.

Q62.What is the Eiffel Tower made of?

- (a) It is made of wood.
- (b) It is made of stone.
- (c) It is made of iron structure.
- (d) It is made of silver.

Q63.Select the most appropriate answer from the passage.

- (a) The Eiffel Tower continues to be criticised by French intellectuals and artists.
- (b) The Eiffel Tower has never been criticised by French intellectuals and artists.
- (c) The Eiffel Tower will never be criticised by French intellectuals and artists.
- (d) The Eiffel Tower was criticised at the beginning by French intellectuals and artists.

Q64. Why is 2010 considered a significant year?

- (a) A year marked by a decline in tourism.
- (b) A year marked by unfortunate accidents.
- (c) A year marked by a landmark achievement in French tourism.
- (d) A year marked by stagnation.

Q65. Which statement truly reflects the status of the Eiffel Tower?

- (a) The Eiffel Tower features prominently in popular culture.
- (b) The Eiffel Tower is simply a regional icon.
- (c) The Eiffel Tower has no international or aesthetic appeal.
- (d) The Eiffel Tower has never captured public imagination.

Q66. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

(1) All the doubts are cleared/ (2) between/ (3) him and I. / (4) No. error.

- (a) 1
- (b) 2
- (c) 3
- (d) 4

Q67. Select the synonym of the given word-

TREAD

- (a) walk
- (b) run
- (c) climb
- (d) follow

Q68. Select the antonym of the given word-

OBSCURE

- (a) Obvious
- (b) Complementary
- (c) Moody
- (d) Difficult

Q69. Fill in the blank with the correct adjective:

The _____ painting was a masterpiece of color and composition.

- (a) bland
- (b) vibrant
- (c) pallid
- (d) lackluster

Q70. Choose the correct meaning of the given idiom -

Add fuel to fire

- (a) To make a matter worse
- (b) In disorder
- (c) At risk and insecure
- (d) At the last moment

Solutions

S1. Ans.(b)

Sol. PM Narendra Modi inaugurated the 'Sri Madhusudan Sai Institute of Medical Sciences and Research (SMSIMSR) & 'Sri Sathya Sai Rajeswari Memorial Block', a totally-free-of-cost medical college and hospital, at Muddenahalli in Chikkaballapura district, Karnataka.

He also inaugurated the Whitefield -to-Krishnarajapuram Metro Line in Bengaluru, Karnataka.

Karnataka CM – Basavaraj bommai

Karnataka Governor – Thawarchand Gehlot

S2. Ans.(d)

Sol.For the upcoming 2023-24 season, the Indian government has increased the minimum support price (MSP) for raw jute by Rs 300 to Rs 5,050 per quintal. The decision was taken during a meeting of the Cabinet Committee on Economic Affairs chaired by Prime Minister Narendra Modi based on the recommendations of the Commission for Agricultural Costs and Prices (CACP).

S3. Ans.(c)

Sol. Dr. Mansukh Mandaviya, Union Minister of Health & Family Welfare chaired the 36th Board Meeting of the Stop Tuberculosis (TB) Partnership in which "Accountability Report of TB-affected Communities & Civil Society: Priorities to Close the Deadly Divide" was also launched at the event.

TB caused by – bacteria (Mycobacterium Tuberculosis)

S4. Ans.(b)

Sol. The North Korean military under the direction of Kim Jong Un. deployed and tested-fired the new weapons system including underwater nuclear-capable attack drone

The drone was placed in the ocean near South Hamgyong province as part of the experiment

The weapon has been in development since 2012 and has undergone more than 50 tests in the past two years.

Democratic People's Republic of Korea, is a country in East Asia which shares its borders with China, Russia and South Korea.

Capital: Pyongyang

S5. Ans.(c)

Sol. Narendra Singh Tomar, union Minister of Agriculture and Farmers Welfare , inaugurated "AgriUnifest" in Bengaluru, Karnataka.

5-day cultural program, organized by Bangalore Agricultural University in collaboration with the Indian Council of Agricultural Research (ICAR).

The Indian Council of Agricultural Research (ICAR) is an autonomous body responsible for co-ordinating agricultural education and research in India. The Union Minister of Agriculture serves as its president.

Headquarters: New Delhi

S6. Ans.(c)

Sol. Indian Army and Singapore Army participated in the 13th edition of bilateral exercise BOLD KURUKSHETRA from 6 to 13 March 2023 at Jodhpur Military Station, India.

Exercise Bold Kurukshetra is conducted under the ambit of the bilateral arrangement for the joint Army Training and exercises between the Singapore Army and the Indian Army. It was first conducted in 2005.

Yudh Abhyas - India and USA

Garuda Shakti - India and Indonesia.

Hand-in-Hand - India and China

S7. Ans.(d)

Sol. Phool Dei is the harvest festival celebrated in the state of Uttarakhand.

celebrated to mark the beginning of spring season usually celebrated in the month of Chaitra (March-April) in the Hindu calendar.

The people of the state decorate their houses with flowers as a part of the celebration.

Children shower flowers at the doorsteps of houses wishing prosperity.

S8. Ans.(a)

Sol. The highest civilian honor in Kerala, the "Kerala Jyothi," was awarded to the writer M T Vasudevan Nair.

"Kerala Prabha," (2nd highest)- actor Mammootty and former civil service officer T Madhava Menon, and writer Omchery NN Pillai.

Kerala Puraskarngal' awards are given on the model of padma awards

The awards were presented in three categories – "Kerala Jyothi," "Kerala Prabha," and "Kerala Shri"

Kerala CM – Pinarayi Vijayan

Kerala Governor – Arif Mohammad Khan

S9. Ans.(d)

Sol. As per 'The 2023 M3M Hurun Global Rich List', Mukesh Ambani, the Chairman of Reliance Industries and the richest man in Asia (3rd time in a row), is the only Indian to be ranked among the top 10 billionaires in the world with his rank on 9th.

Despite experiencing a 20 percent decline in his wealth, Ambani still managed to secure with a net worth of \$82.

India is on 3rd rank if we talk about number of billionaires after US and China.

S10. Ans.(a)

Sol. 26th 'Elevate Expo' has been held in Dubai, UAE winners of the National Startup Awards 2022 were participants in the Elevate session.

Six startups from India who participated

1. Film board Movie Technologies inc,
2. Trascender Services Pvt Ltd,
3. Cogos Technologies Pvt Ltd,
4. Changejar Technologies Pvt Ltd,
5. Makerinme Technologies Pvt Ltd,
6. Revamp Moto Pvt Ltd

Elevate is a pitching series organized by the Consulate General of India in Dubai, providing a platform for startups to connect with investors and global counterparts.

S11. Ans.(d)

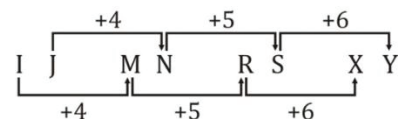
Sol. Triangle, square, Pentagon, Hexagon

S12. Ans.(c)

Sol. Every Subsequent number is divided by 2.

S13. Ans.(d)

Sol.

**Solutions:(14 to 16)**

	Hansraj	Ramjas	S. V.	S. Stephen	Miranda	Hindu
A				yes		
B			yes			
C					yes	
D	yes					
E						yes
F		Yes				

S14. Ans.(a)

Sol. Anurag

S15. Ans.(c)

Sol. Ramjas

S16. Ans.(a)

Sol. Sri. Venkateshwara

S17. Ans.(d)

Sol. F = 6 [position of F in the alphabet series]

G = 7 [position of G in the alphabet series]

F + G = 13

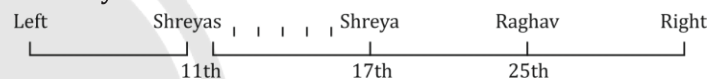
U = 21 [position of U in the alphabet series]

V = 22 [position of V in the alphabet series]

U + G = 21 + 22 = 43

S18. Ans.(b)

Sol. Boys : Girls = 18 : 14



Mitali is sitting exactly in between Raghav and Shreyas.

Mid point from 17th to 25th → 21st from the Right end

Mithali is at

$21 + x - 1 = 32$

$x = 12$ th position

S19. Ans.(c)

Sol. Left of Shreya = 16 boys

Right of Shreya = 2 boys

S20. Ans.(d)

Sol. Clearly, encouraging the young entrepreneurs will open up the field for the establishment of new industries. Thus, it shall help in industrial development and not only employ the entrepreneurs but create more job opportunities for other as well.

S21. Ans.(d)

Sol. 187 B 17 C 4 A 7 D 17

$\Rightarrow 187 \div 17 \times 4 + 7 - 17$

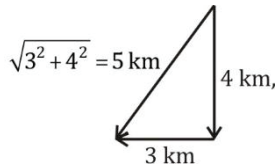
$\Rightarrow 11 \times 4 + 7 - 17$

$\Rightarrow 51 - 17$

$\Rightarrow 34$

S22. Ans.(b)

Sol.



∴ 5 km, south west

S23. Ans.(a)

Sol.

Father

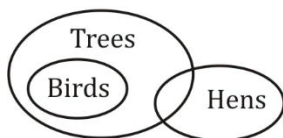
|

Rajesh = wife – Sister = Ram

Ram is brother-in-law to Ram.

S24. Ans.(b)

Sol.



I. ✗

II. ✓

Conclusion II follows.

S25. Ans.(b)

Sol.

H A M M E R	M A T T E R
M A H E R M	T A M E R T

S26. Ans.(a)

Sol. +2 series

S27. Ans.(b)

Sol. No. of letters – bat -3

Thin – 4

Reply – 5

Length – 6

Display - 7

S28. Ans.(b)

Sol. $4 \times 13 - 549 \div 9 + 19$

$\Rightarrow 52 - 61 + 19$

$\Rightarrow 10$

S29. Ans.(d)

Sol. $45 \div 3 - 3 \times 5 + 5$

$\Rightarrow 15 - 15 + 5$

$\Rightarrow 5$

S30. Ans.(a)

Sol. $D = 4 \div 2 = 2$

Similarly, $Z = 26 \div 2 = 13$

S31. Ans.(b)

Sol. The correct answer is b) Reduced travel costs. Video conferencing allows people to communicate remotely, reducing the need for travel, which can save time and money. It also enables increased productivity as meetings can be scheduled more conveniently without the need for physical travel. Limited communication options or accessibility to participants can be drawbacks of video conferencing, but they are not advantages.

S32. Ans.(c)

Sol. The correct answer is c) Displaying web pages. Web browsers are software applications used to access and display web pages. They are not responsible for indexing or ranking web pages, which are functions of search engines. Storing web pages may be a function of a browser, but it is not the primary purpose of a browser.

S33. Ans.(d)

Sol. The correct answer is d) DuckDuckGo. DuckDuckGo is a search engine that emphasizes user privacy by not tracking users' search history or personal information. Google, Bing, and Yahoo are search engines that may collect user data for targeted advertising and other purposes.

S34. Ans.(c)

Sol. The correct answer is c) Safari. Safari is a web browser developed by Apple Inc. Google Chrome is developed by Google, Firefox is developed by Mozilla, and Edge is developed by Microsoft.

S35. Ans.(c)

Sol. The correct answer is (c) Statements i and iii are correct. Encryption is the process of converting plaintext, or readable data, into ciphertext, or unreadable data, using an encryption algorithm and a key. Encryption can be used to protect data in transit, such as email messages or online transactions, and at rest, such as data stored on a hard drive or in a database. Encryption can be decrypted by anyone who has the key, not just the sender of the message, which is why it is important to keep the key secure. Encryption is widely used in information security to protect sensitive data from unauthorized access and interception.

S36. Ans.(d)

Sol. Option D) A Distributed Denial of Service (DDoS) attack is a type of cyber attack that targets an organization's website by overwhelming it with traffic and causing it to crash. DDoS attacks can be launched using a network of infected computers known as a botnet or through other means of generating large amounts of traffic. These attacks can disrupt online services, cause financial damage, and harm an organization's reputation.

S37. Ans.(a)

Sol. Option A) Improved accountability is a benefit of using ICT in governance. ICT can provide transparency, promote citizen participation, and enhance government responsiveness to citizen needs. By using ICT tools such as online portals, social media, and mobile applications, governments can provide citizens with access to information, services, and opportunities to engage in policymaking processes.

S38. Ans.(c)

Sol. The correct answer is c) Real-time communication. Both audio and video conferencing allows for real-time communication, which enables participants to interact with each other in real time, regardless of their physical location. In-person communication is not a feature of audio or video conferencing since it is remote. Delayed communication may be possible through recorded audio or video, but it is not a feature of live conferencing. Limited remote communication is not an accurate description of audio or video conferencing, as they both allow for remote communication without limits.

S39. Ans.(c)

Sol. Option C is correct. RAM is a type of volatile memory that loses its data when power is turned off, making it a suitable choice for temporary storage. ROM, PROM, and EPROM, on the other hand, are non-volatile memory types that retain their data even after power is turned off, making them useful for permanent data storage.

S40. Ans.(c)

Sol. Option C is correct. A hard disk drive is a non-volatile memory device that has a much larger storage capacity than other options. It is widely used for permanent data storage and retrieval and employs magnetic storage technology. USB drives, CDs, and floppy disks have limited storage capacities compared to hard disk drives and are primarily used for portable storage and data transfer. CDs use optical disc storage technology, while USB drives employ flash memory technology. Floppy disks, an outdated storage medium, are no longer used due to their small storage capacity and slow data transfer rate.

S41. Ans.(a)

Sol. A child centered classroom can be created by providing timely feedback to the learners about their performance. In a child centered classroom, students are naturally encouraged to explore. The main focus is on the learner and not the teacher.

S42. Ans.(d)

Sol. Concept formation in the child depends upon intelligence level, previous experiences, and the environment in which s/he grows. Concept formation describes how a person learns to form classes, whereas the term conceptual thinking refers to an individual's subjective manipulation of those abstract classes.

Concept formation in the child:

- To be able to perceive meanings the child must be able to see the relationship between new experiences and previous experiences.
- The ability to acquire meanings from new sources depends on maturational readiness and the environment in which the child grows.

S43. Ans.(d)

Sol. A project is an educational method where students working individually or in small groups analyze and develop "real-life" problems or tackle a present-day theme within a preset time limit, working independently and with the division of tasks clearly defined. A project is a task or an activity, it has some purpose, and it is conducted in social and natural situations.

S44. Ans.(a)

Sol. Constructivists suggest that learning is more effective when a student is actively engaged in the learning process. There are many different models of constructivist classroom learning however, the model developed by Roger Bybee is widely used by teachers. This model is best known as The “5 E s”. It provides a planned sequence of instruction that places learners at the center of their learning experiences.

S45. Ans.(d)

Sol. One has to perform some activity, may be physical or mental, or both to learn something, it implies that learning is an active process as it takes place in a better way when learners are actively involved in it. The mind has to remain active to acquire new experiences; otherwise, no learning can take place.

S46. Ans.(a)

Sol. The amount and quality of learning are determined to a very large extent by:

- Content Analysis: It refers to the process of identifying the pattern and connection among the given information. By this, a teacher can determine course goals and learning objectives.
- Student interaction: It helps to identify the intentions, focus, or communication trends of an individual. It provides insight into complex models of human thought and language use.

S47. Ans.(a)

Sol. The correct answer is a) Whiteboard. A whiteboard is a visual teaching aid that allows teachers to write and illustrate information in real-time during lessons, aiding in student engagement and comprehension.

Information Booster

- Syllabus: A syllabus is a document that outlines the content and structure of a course, but it is not considered a teaching aid.
- Homework: Homework is an assignment given to students to complete outside the classroom, and it is not a teaching aid.
- Textbook: While textbooks provide information and support learning, they are not considered teaching aids as they are primarily used for individual reading and reference.

S48. Ans.(b)

Sol. The correct answer is b) To identify students' strengths and weaknesses. An evaluation system in education aims to assess students' progress, understand their individual capabilities, and identify areas where they need improvement or support.

Information Booster

- To rank students based on their performance: Evaluation systems are not solely designed to rank students but to provide feedback and assess their learning outcomes.
- To impose strict discipline on students: Discipline is not the primary purpose of an evaluation system. It focuses on assessing academic performance.
- To assign grades arbitrarily: Evaluation systems should be fair and objective, based on students' actual achievements rather than arbitrary grading.

S49. Ans.(c)

Sol. The correct answer is c) Videos. Videos provide audio-visual content that supports auditory learning, as students can listen to information being explained or demonstrated.

Information Booster

- Flashcards: Flashcards are primarily visual aids used for quick review or memorization, not specifically targeting auditory learning.
- Models: Models are tangible objects used for hands-on learning, which may incorporate visual and tactile aspects but are not solely focused on auditory learning.
- Charts: Charts are visual representations of data or information, emphasizing visual learning rather than auditory learning.

S50. Ans.(c)

Sol. The correct answer is c) To monitor student progress during instruction. Formative assessment involves ongoing evaluation throughout the learning process, providing feedback to students and teachers to make instructional adjustments and improve learning outcomes.

Information Booster

- To determine final grades: Formative assessment is not intended to determine final grades; it focuses on gathering information for instructional purposes rather than summative evaluation.

- To evaluate student performance at the end of the term: Formative assessment occurs continuously during instruction, contrasting with evaluations conducted at the end of the term or unit.
- To compare students' performance with peers: Formative assessment is primarily focused on individual student progress and growth, not on comparing students' performance with their peers.

S51. Ans.(d)

Sol. उक्त गद्यांश का संबंध 'कर्मवाद' से है।

S52. Ans. (d)

Sol. इस गद्यांश में लेखक ने मुख्य रूप से मात्र महात्मा गाँधी के चरित्र की विशिष्टता का कारण बताया है।

S53. Ans. (b)

Sol. इस गद्यांश में लेखक ने यूरोप के कुछ महापुरुषों के विषय में कहा है कि उन्होंने उपाय तो बताए पर उनका कार्यान्वयन दूसरों पर छोड़ दिया।

S54. Ans. (d)

Sol. उपर्युक्त में से कोई नहीं।

S55. Ans. (b)

Sol. 'तटस्थ चिंतन' से अभिप्राय है - निष्पक्ष होकर सोच-विचार करना।

S56. Ans.(c)

Sol. 'अनुचर' का पर्यायवाची शब्द 'किंकर' है।

S57. Ans.(b)

Sol. 'जागरण का विलोम शब्द 'शयन' है।

S58. Ans.(a)

Sol. 'महात्मा' शब्द का संधि-विच्छेद 'महा + आत्मा' है।

S59. Ans.(b)

Sol. 'अपराहन' शब्द के लिए उचित वाक्यांश 'दोपहर के बाद का समय' है।

S60. Ans.(d)

Sol. 'ढाक के तीन पात' लोकोक्ति का अर्थ 'सदा एक ही स्थिति में बने रहना' है।

S61. Ans.(b)

Sol. see 2nd line , . It was named after the engineer Gustave Eiffel,

S62. Ans. (c)

Sol. see 1st line, The Eiffel Tower is an iron lattice tower located at the Champ de Mars in Paris.

S63. Ans. (d)

Sol. see 2nd line. Erected in 1889, it was initially criticised by some of France's leading artists and intellectuals for its design.

S64. Ans. (c)

Sol. see the last line of 1st paragraph, The tower received its 250 millionth visitor in 2010.

S65. Ans.(a)

Sol. see the last sentence, the Eiffel Tower is featured in media including films, video games, and television shows.

S66. Ans. (c)

Sol. Between is followed by objective form which here is him and me not him and I.

S67. Ans.(a)

Sol. This option (a)Walk is the correct synonym for "tread." "Tread" and "walk" both refer to the act of moving on foot by placing one foot in front of the other.

- Run: "Run" is not a synonym for "tread." While both words involve movement, "run" implies a faster and more energetic form of locomotion compared to "tread."
- Climb: "Climb" is not a synonym for "tread." "Climb" refers to ascending or scaling a height, typically involving the use of hands and feet, while "tread" implies walking on a surface.
- Follow: "Follow" is not a synonym for "tread." "Follow" means to come or go after or behind someone or something, whereas "tread" refers to the act of walking or stepping on a surface.

S68. Ans.(a)

Sol. Obvious is the correct antonym of "obscure." When something is obvious, it is clear, easily understood, or not hidden. It is the opposite of something that is obscure, which means it is unclear, hidden, or not easily understood.

Information Booster

- Complementary is an adjective used to describe something that complements something else- goes along with it and serves to make it better or complete it (as in complementary colors).
- Moody: "Moody" is not an antonym of "obscure." It describes someone who experiences frequent changes in mood or temperament. It is unrelated to the concept of something being clear or easily understood.
- Difficult: "Difficult" is not an antonym of "obscure" either. It refers to something that requires effort, skill, or patience to accomplish or understand. While something can be both difficult and obscure, they are not inherently opposite to each other.

S69. Ans.(b)

Sol. The correct answer is (b) vibrant. A painting that is vibrant is lively and colorful, with bold and striking hues.

(a) Bland means lacking in flavor or excitement, which is not an accurate description of a vibrant painting.

(c) pallid means pale or dull, which is the opposite of what is described in the question.

(d) lackluster means dull or uninspiring, which is again not an accurate description of a vibrant painting.

S70. Ans.(a)

Sol. The correct meaning of the idiom "add fuel to the fire" is (a) "to make a matter worse." This idiom is often used to describe a situation where someone's actions or words exacerbate an already tense or difficult situation. It implies that instead of helping to resolve the problem or calm things down, the person's actions or words intensify the conflict or make it more challenging to manage.

- The phrase "add fuel to the fire" draws an analogy to adding more fuel to a fire, which would cause it to burn more intensely and uncontrollably. Similarly, when someone adds fuel to the fire in a figurative sense, it means they are aggravating a situation, making it more volatile or difficult to handle.