

EMRS Model Test Paper 2

ENGLISH

Q1. Select the synonym of the given word.

IMMINENT

- (a) impending
- (b) remote
- (c) dubious
- (d) unlikely

Directions (2-3): In the following questions, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.

Q2. His sudden demise surprised everyone.

- (a) Everyone is surprised by his sudden demise.
- (b) Everyone was surprised by his sudden demise.
- (c) Everyone was surprised at his sudden demise.
- (d) Everyone got surprised with his sudden demise.

Q3. Let me play my favourite song.

- (a) You are requested to let me play my favourite song.
- (b) I may be allowed to play my favourite song.
- (c) You are ordered to allow me to play my favourite song.
- (d) I could be allowed to play my favourite song.

Q4. In the following question, some parts 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'.

He went for the lunch (A)/at 2 p.m. and (B)/ then returned.(C)/ No Error (D)

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

Q5. Select the word with the correct spelling.

- (a) Complaisant
- (b) Complasaint
- (c) Complasant
- (d) Complasent

Q6. Select the most appropriate meaning of the given idiom.

Kick the bucket

- (a) Loose temper
- (b) To delay a little longer
- (c) To die
- (d) To meet with an accident

Q7. Improve the bracketed part of the sentence.

Play well lest you (may) lose your spot.

- (a) might
- (b) should
- (c) could
- (d) No improvement

Q8. Select the most appropriate word to fill in the blank.

John was shocked to see his wife's _____ outburst.

- (a) industrious
- (b) historic
- (c) historical
- (d) histrionic

Q9. Select the antonym of the given word.

ROUT

- (a) Victory
- (b) Retreat
- (c) Debacle
- (d) Caning

Q10. Select the word which means the same as the group of words given.

Rebellious or opposing the authority

- (a) insurgent
- (b) intransigent
- (c) indigenous
- (d) innuendo

GENERAL HINDI

Directions (11-20) निम्नलिखित प्रश्नों को ध्यानपूर्वक पढ़िए और प्रश्नों के उत्तर देने के लिए उचित विकल्प का चयन कीजिए।

Q11. निम्नलिखित वाक्यों में से कौन-सा ऐसा वाक्य है, जिसकी क्रिया कर्ता के लिंग के अनुसार ठीक नहीं है?

- (a) राम आता है
- (b) घोड़ा दौड़ता है
- (c) हाथी सोती है
- (d) लड़की जाती है

Q12. निम्नलिखित में से शुद्ध वाक्य है-

- (a) गौतम ऋषि की पत्नी का नाम अहील्या था
- (b) राजीव निरपराधी है
- (c) अंगद-रावन सम्वाद पर प्रकाश डालिए
- (d) अग्नि प्रज्वलित हो रही है

Q13. निम्न में से किस शब्द की वर्तनी शुद्ध नहीं है?

- (a) सूँघना
- (b) विशिष्ठ
- (c) सूचीपत्र
- (d) विस्मृति

Q14. 'ई' प्रत्यय किस शब्द में नहीं है?

- (a) माली
- (b) अलबेली
- (c) फांसी
- (d) सिलाई

Q15. 'नवग्रह' में कौन सा समास है?

- (a) द्विगु
- (b) द्वंद्व
- (c) बहुब्रीहि

(d) कर्मधारय

Q16. 'उत्साह' शब्द का विशेषण है-

(a) उत्साह

(b) उत्साहित

(c) उत्साव

(d) उत्साही

Q17. निम्नलिखित में से किस विकल्प के सभी शब्द शुद्ध हैं?

(a) अनुग्रहित, कवयित्री, ज्योत्सना

(b) अनुगृहीत, कवयित्री, ज्योत्सना

(c) अनुग्रहीत, कवयित्री, ज्योत्सना

(d) अनुग्रीहीत, कवियत्री, ज्योत्सना

Q18. हिंदी की विशिष्ट बोली 'बृजभाषा' किस रूप में सबसे अधिक प्रसिद्ध है?

(a) राजभाषा

(b) तकनीकी भाषा

(c) राष्ट्रभाषा

(d) काव्यभाषा

Q19. इनमें से किस वाक्य में 'अकर्मक क्रिया' प्रयुक्त हुई है?

(a) लड़का पढ़ रहा है

(b) राधा नाचती है

(c) अंकित टीवी देख रहा है

(d) राधा नाच रही है

Q20. 'तिरस्कृत' का सही संधि-विच्छेद है -

(a) तिरः + कृत

(b) तीर + कृत

(c) तिर + सकृत

(d) तीरः + कृत

GENERAL AWARENESS

Q21. Who amongst the following kings defeated Harsha's army on the bank of river Narmada?

- (a) Rajendra Chola
- (b) Pulakesin II
- (c) Krishnadeva Raya
- (d) Rajendra I

Q22. Which ruler of the Vijayanagar Empire was the friend of the Portuguese Governor Albuquerque?

- (a) Devaraya II
- (b) Narsingh Raya
- (c) Krishna Deva Rai
- (d) Venkat II

Q23. The 'thickness' of Stratospheric Ozone layer is measured in/on:

- (a) Sieverts
- (b) Dobson units
- (c) Melson units
- (d) Beaufort Scale

Q24. "Ganga Sagar Mela" fair is held in which state?

- (a) Uttarakhand
- (b) Uttar Pradesh
- (c) West Bengal
- (d) Maharashtra

Q25. The Constitution has vested the 'residuary powers' in which article

- (a) Article 248
- (b) Article 256
- (c) Article 249
- (d) None of these

Q26. The Cartagena Protocol is regarding safe use, transfer and handling of:

- (a) Nuclear waste
- (b) Invasive Alien Species
- (c) Living Modified Organisms (LMOs)
- (d) Toxic by-products and industrial effluents

Q27. Which of the following device is best suited for measuring the temperature inside metallurgical furnaces?

- (a) Pyrometer

- (b) Thermocouple
- (c) Thermometer
- (d) Thermistor

Q28. Vinegar and Baking Soda together produce _____.

- (a) Copper
- (b) Carbon Dioxide
- (c) Copper Sulphate
- (d) Magnesium Oxide

Q29. Which part of flower produces pollen grains that are generally yellowish in color?

- (a) Sepals
- (b) Petals
- (c) Stamens
- (d) Carpels

Q30. Which film has won the Best Picture Award at the 93rd Academy Awards or Oscars 2021?

- (a) Minari
- (b) Nomadland
- (c) The Father
- (d) Judas And The Black Messiah

ANALYTICAL ABILITY

Directions (31-32) : Select the related word from the given alternative

Q31. Player : Team :: Minister : ?

- (a) Troupe
- (b) Crowd
- (c) Army
- (d) Council

Q32. Select the related word from the given alternative

Thick : Thin :: Idle : ?

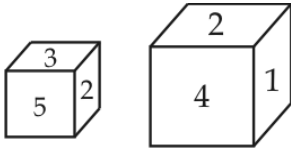
- (a) Inactivity
- (b) Virtuous
- (c) Industrious
- (d) Business

Q33. In the following section select the related number from the given alternatives?

430: 437 :: 850

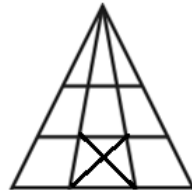
- (a) 853
- (b) 863
- (c) 860
- (d) 870

Q34. Find the number opposite to 3



- (a) 4
- (b) 6
- (c) 5
- (d) 2

Q35. Find the number of triangles in the given figure



- (a) 22
- (b) 26
- (c) 24
- (d) 25

Q36. Below are given statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follow (s) from the given statements.

Statements:

- I.** All red are bus.
- II.** Some Bus are yellow
- III.** Some red are Car

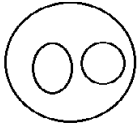
Conclusions:

- I.** Some Bus are not yellow
 - II.** Some Car is Bus
 - III.** Some yellow is Red
- (a) All follows
 - (b) only I and II follows
 - (c) Only II follows
 - (d) None of these

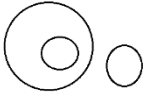
Q37. Choose the venn diagram from the given below that best represents the relationship.

Pen, Book , Paper

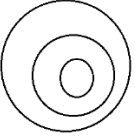
- (a) _____



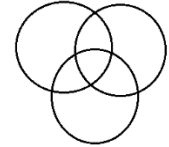
(b)



(c)



(d)



Q38. Ram is walking towards North for 15 miles, turns left and walks another 10 miles. He then turns right and walks 10 miles. Now, he again turns right and walks 30 miles. Which direction is he from Starting point?

- (a) South-East
- (b) North-East
- (c) North-West
- (d) South-West

Q39. If 'TABLE' is coded as 2123136, find the code of 'OCEAN'?

- (a) 1535114
- (b) 1646215
- (c) 1635114
- (d) 1546215

Q40. Find the odd one out?

- (a) Pencil
- (b) Eraser
- (c) Pen
- (d) Marker

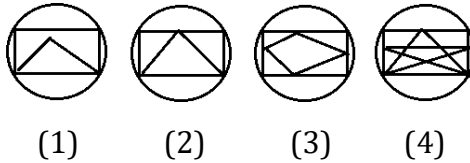
Q41. Find the odd one out?

- (a) Red
- (b) Blue
- (c) Green
- (d) Black

Q42. If 'F' is coded '12', BAT is coded '46', find the code for 'APPLE'?

- (a) 78
- (b) 80
- (c) 100
- (d) 92

Q43. Choose the figure which is different from the rest.



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

Q44. If 'Red' is called as 'Blue', 'Blue' is called as 'Black', 'Black' is called as 'Brown', 'Brown' is called as 'Pink' and 'Pink' is called 'Yellow' what is the color of crow?

- (a) Red
- (b) Black
- (c) Brown
- (d) Yellow

Q45. Atul is facing towards South and turns 45° anti-clockwise. He turns again 180° in anti-clockwise direction. Now, he turns 270° clockwise. Which direction is he facing?

- (a) West
- (b) East
- (c) North-East
- (d) South- West

NUMERICAL ABILITY

Q46. If $\frac{a}{4} = \frac{b}{7} = \frac{c}{11}$, then find the value of $\frac{a+b+c}{a}$?

- (a) 4.5
- (b) 6.5
- (c) 4
- (d) 5.5

Q47. If $x = 671$, $y = 673$ and $z = 675$ then find the value of $x^3 + y^3 + z^3 - 3xyz$?

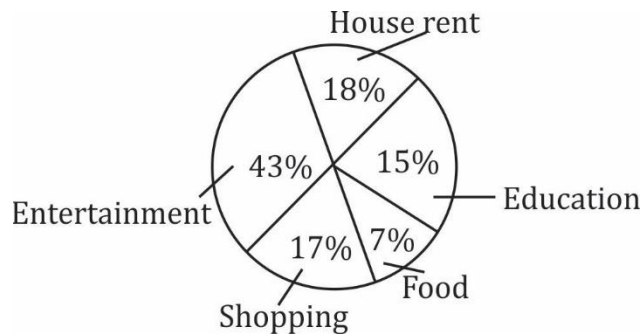
- (a) 24228
- (b) 26168
- (c) 21226
- (d) 14124

Q48. The income ratio of A:B:C:D $\frac{1}{3} : \frac{1}{5} : \frac{1}{7} : \frac{1}{13}$. If their sum of income

is 27756. Find the income of A,C,D.

- (a) 12285, 7371, 2835
- (b) 12285, 5265, 2835
- (c) 12285, 7371, 2875
- (d) 12285, 6165, 2875

Directions (49-51): In the following question, study the following pie charts for various expenditures of a person. (Total Expenditure- Rs. 29000)



Q49. What is the expenditure on food ?

- (a) Rs.2030
- (b) Rs.2170
- (c) Rs.1960
- (d) Rs.2010

Q50. How much is the expenditure on shopping is more than education ?

- (a) Rs.502
- (b) Rs.620
- (c) Rs.580
- (d) Rs.690

Q51. What is the central angle made by entertainment ?

- (a) 154.8°
- (b) 161.7°

- (c) 172.9°
- (d) 141.8°

Q52. The least number of five digits which is divisible by 123 ?

- (a) 10037
- (b) 10086
- (c) 10081
- (d) 10063

Q53. Simplify $\frac{(3.4567)^2 - (3.4533)^2}{0.0034}$

- (a) 6.81
- (b) 6.91
- (c) 6.61
- (d) 6.71

Q54. If $a + \frac{1}{a} = 2$ find $a^{256} + \frac{1}{a^{256}} - 3$

- (a) 0
- (b) 2
- (c) 1
- (d) -1

Q55. The ratio of number of boys and girls in a school of 688 students is 9 : 7. How many more girls should be admitted to make the ratio 1 : 1 ?

- (a) 92
- (b) 86
- (c) 82
- (d) 88

COMPUTER BASICS

Q56. The term 'time sharing' has been replaced by:

- (a) Multi-tasking system
- (b) Multi-programming system
- (c) Multi-processing system
- (d) Multi-execution system

Q57. Press _____ to open 'Find' dialog box.

- (a) Ctrl + F
- (b) Alt + F
- (c) Tab + F

(d) Ctrl + Alt + F

Q58. What is the overall term for creating, editing, formatting, storing, retrieving and printing a text document?

- (a) Word processing
- (b) Spreadsheet design
- (c) Web design
- (d) Database management

Q59. What happens when you click on Insert >> Picture >> Clip Art

- (a) It inserts a clipart picture into document
- (b) It lets you choose clipart to insert into document
- (c) It opens Clip Art taskbar
- (d) It insert a Smart Art graphics

Q60. What is a motion path?

- (a) A type of animation entrance effect
- (b) A method of advancing slides
- (c) A method of moving items on a slide
- (d) All of the above

CHILD PEDAGOGY

Q61. Identify the correct statement with regard to the growth and development.

- (a) Growth is the part of development.
- (b) Growth starts from conception and continues till death.
- (c) Development starts from birth and stops at certain age.
- (d) Development and growth are no way related to each other.

Q62.No autonomy is granted under this child rearing practice.

- (a) Uninvolved
- (b) Autocratic
- (c) Authoritative
- (d) Permissive.

Q63. Symbolic and Ego - centric thinking are the major characteristics of

- (a) Concrete operational stage
- (b) Sensori motor stage
- (c) Pre - operational stage
- (d) Formal - operational stage

Q64.The unfolding of biologically inherited potentialities as a function of time or in an age related sequence is called

- (a) Maturation

- (b) Progress
- (c) Development
- (d) Growth

Q65. "Mnemonics" are used in improving

- (a) Understanding
- (b) Memory
- (c) Intelligence
- (d) Creativity

Q66. One of the following need to be considered for organising learner centric teaching learning process.

- (a) Study habits
- (b) Achievement motivation
- (c) Individual differences
- (d) Only aptitude

Q67. According to Bandura, "observational learning" is

- (a) Sequencing
- (b) Structuring
- (c) Shaping
- (d) None of these

Q68. If a student is given reward for every correct response for every five minutes, the reinforcement schedule is

- (a) Fixed Ratio
- (b) Variable
- (c) Continuous
- (d) Fixed Interval

Q69. As per the RTE Act, 2009 a school with classes I to V shall have Head Teacher, if the student's strength of the school is

- (a) 125 - 149
- (b) 150 & above
- (c) 75 - 99
- (d) 100 - 124

Q70. In P.W.D. Act, 1995 the term 'P.W.D.' stands for

- (a) Persons with Difficulty.
- (b) Persons with Disability.
- (c) Population with Disability.
- (d) Population with Disadvantages.

Q71. One of the merits of organizing learning in heterogenous ability groups is

- (a) High ability group benefit and low ability group suffer.
- (b) Both high and low ability groups suffer.
- (c) Both high and low ability groups benefit.
- (d) Low ability group benefit and high ability group suffer.

Q72. NCF - 2005 suggested to shift learning within the four walls of the class room to this . .

- (a) Grade oriented learning.
- (b) Learning related to monetary gains.
- (c) Learning in the wider society context.
- (d) Learning is based on books.

Q73. Match the following.

List - A	List - B
Dyslexia	Difficulty in mathematics.
Dyscalculia	Difficulty with fine motor skills.
Dysgraphia	Difficulty in reading.
Dyspraxia	Difficulty with writing.

Codes :

- (a) 1 - C, 2 - D, 3 - A, 4 - B
- (b) 1 - A, 2 - C, 3 - B, 4 - D
- (c) 1 - C, 2 - A, 3 - D, 4 - B
- (d) 1 - A, 2 - B, 3 - C, 4 - D

Q74. If you were a primary school teacher, you would try to nurture creativity among

- (a) children with high achievement only.
- (b) obedient children only.
- (c) all children.
- (d) intelligent children only.

Q75. The term 'neonate' refers to

- (a) Two year old child
- (b) Baby in mother's womb
- (c) New born child
- (d) One year old child

Q76. One of the following do not facilitate maximum transfer of learning.

- (a) By learning principles, rules and generalisations.
- (b) By learning through rote memorisation.

- (c) Linking the present with past learning
- (d) Linking the present with life experiences.

Q77. Students formulate hypothesis, test hypothesis and draw conclusions in this method.

- (a) Lecture method
- (b) Group Discussion
- (c) Inquiry method
- (d) Activity method

Q78. "Rewards can be an effective tool to enhance achievement." - It indicates this type of motivation.

- (a) Natural
- (b) Intrinsic
- (c) Extrinsic
- (d) Achievement

Q79. Ramu has dropped out from the school due to unpleasant school experiences. This is an illustration of the following law.

- (a) Law of regression
- (b) Law of spontaneous recovery
- (c) Law of extinction
- (d) Law of effect

Q80. According to Erickson, the period of adolescence is marked with this crisis

- (a) Intimacy Vs Isolation
- (b) Identity Vs Role confusion
- (c) Initiative Vs Guilt
- (d) Trust Vs Mistrust

SOLUTIONS

S1. Ans.(a)

Sol. Imminent: about to happen; impending.

S2. Ans.(c)

Sol. 'By' is not used with certain verbs like 'known', 'surprise', etc. when making a passive voice, instead we use 'at', 'with', 'in' etc.

S3. Ans.(b)

S4. Ans.(a)

Sol. Remove 'the' before lunch. Name of meals do not take any article.

S5. Ans.(a)

Sol. "Complaisant" is the correct word which means willing to please others or to accept what they do or say without protest.

S6. Ans.(c)

Sol. Kick the bucket: to die

S7. Ans.(b)

Sol. "Lest" is followed by "should", it is negative do not use another negative with it. Hence, option(b) is the correct choice.

S8. Ans.(d)

Sol. Histrionic: excessively theatrical or dramatic in character or style.

Historic: famous or important in history, or potentially so.

Historical: of or concerning history or past events.

Industrious: diligent and hard-working.

S9. Ans.(a)

Sol. Rout: a decisive defeat.

S10. Ans.(a)

Sol. Insurgent: a person fighting against a government or invading force; a rebel or revolutionary.

Intransigent: unwilling or refusing to change one's views or to agree about something.

Indigenous: originating or occurring naturally in a particular place; native.

Innuendo: an allusive or oblique remark or hint, typically a suggestive or disparaging one.

S11. Ans.(c)

Sol. यहाँ 'हाथी सोती है' के स्थान पर 'हाथी सोता है' का प्रयोग उचित है।

S12. Ans.(d)

Sol. 'अग्नि प्रज्वलित हो रही है' सही वाक्य है।

S13. Ans.(b)

Sol. शब्द की शुद्ध वर्तनी है- 'विशिष्ट'।

S14. Ans.(d)

Sol. 'सिलाई' शब्द में 'आई' प्रत्यय है। अन्य सभी शब्दों में 'ई' प्रत्यय है।

S15. Ans.(a)

Sol. 'नवग्रह' में द्विगु समास है।

S16. Ans.(b)

Sol. 'उत्साह' शब्द का विशेषण शब्द 'उत्साहित' है।

S17. Ans.(b)

Sol. शब्दों की सही वर्तनी है - अनुगृहीत, कवयित्री, ज्योत्स्ना।

S18. Ans.(d)

Sol. हिंदी की विशिष्ट बोली 'बृजभाषा' काव्यभाषा के रूप में अधिक प्रसिद्ध है।

S19. Ans.(b)

Sol. अकर्मक क्रिया – अकर्मक क्रिया के साथ कर्म नहीं होता है तथा उसका फल कर्ता पर पड़ता है या वह क्रिया जिनको करने के लिए कर्म की आवश्यकता नहीं होती, अकर्मक क्रिया कहलाती है। । जैसे – 'ज्योति रोती है', इस वाक्य में कर्म का अभाव है तथा रोती है क्रिया का फल राधा पर पड़ता है।

S20. Ans.(a)

Sol. सही संधि विच्छेद इस प्रकार हैं, तिरस्कृत= तिरः + कृत।

S21. Ans.(b)

Sol. Harsha was defeated by the south Indian Emperor Pulakeshin II of the Chalukya dynasty when Harsha tried to expand his Empire into the southern peninsula of India.

S22. Ans.(c)

Sol. Afonso de Albuquerque was the second governor of the Portuguese India and is known as founder of Portuguese colonial empire in India. Krishna Deva Rai was the friend of the Portuguese Governor Albuquerque.

S23. Ans.(b)

Sol. The Dobson Unit is the most common unit for measuring ozone concentration. One Dobson Unit is the number of molecules of ozone that would be required to create a layer of pure ozone 0.01 millimeters thick at a temperature of 0 degrees Celsius and a pressure of 1 atmosphere (the air pressure at the surface of the Earth).

S24. Ans.(c)

Sol. Ganga Sagar Mela festival is celebrated at Sagar which is about 105 km south of Kolkata where the Ganga and the Bay of Bengal form a nexus. Hence the name Gangasagar Mela. The fair is a six-day fair held in the month of January and on the day of Makar Sankranti

S25. Ans.(a)

Sol. The power to make laws with respect to residuary subjects (i.e., the matters which are not enumerated in any of the three lists) is vested in the Parliament. Article 248 (2) of the Constitution of India says that the

Parliament has exclusive power to make any law with respect to any matter not enumerated in list II and III.

S26. Ans.(c)

Sol. The Cartagena Protocol on Biosafety to the Convention on Biological Diversity is an international agreement on biosafety as a supplement to the Convention on Biological Diversity effective since 2003.

S27. Ans.(a)

Sol. A pyrometer is a type of remote-sensing thermometer used to measure the temperature of a surface and inside metallurgical furnaces.

S28. Ans.(b)

Sol. The reaction between baking soda (sodium bicarbonate) and vinegar (dilute acetic acid) generates carbon dioxide gas.

S29. Ans.(c)

Sol. Stamen is the pollen producing part of a flower, usually with a slender filament supporting the anther.

S30. Ans.(b)

Sol. Nomadland film has won the Best Picture Award at the 93rd Academy Awards or Oscars 2021.

S31. Ans.(d)

Sol. Team is group of players

Council is group of ministers

S32. Ans.(c)

Sol. Antonym of each other

S33. Ans.(b)

Sol. $430 + (4 + 3 + 0) = 437$

$850 + (8 + 5 + 0) = 863$

S34. Ans.(a)

Sol.

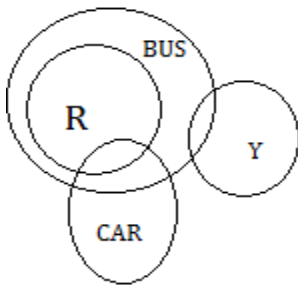
3	2	5
4	2	1

S35. Ans.(b)

Sol. No. of triangles are 26

S36. Ans.(c)

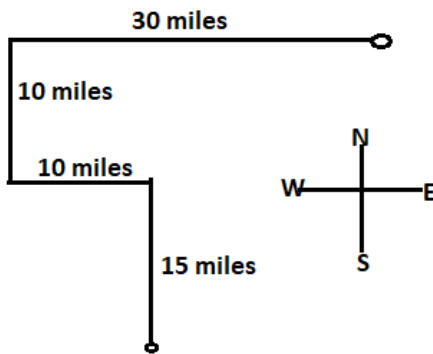
Sol.



S37. Ans.(b)

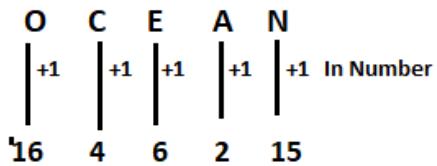
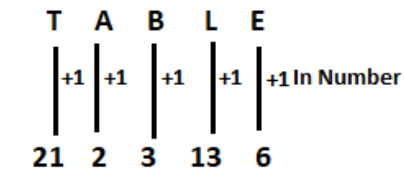
S38. Ans.(b)

Sol.



S39. Ans.(b)

Sol.



S40. Ans.(b)

Sol. Except (b) all are used to write.

S41. Ans.(d)

Sol. All three are primary colors except (d).

S42. Ans.(c)

Sol.

$$\begin{array}{cccc} \text{F} & & \text{B} & \text{A} & \text{T} \\ | & & | & | & | \\ 6 \times 2 = 12 & & (2 + 1 + 20) \times 2 = 46 \end{array}$$

$$\begin{array}{ccccc} \text{A} & \text{P} & \text{P} & \text{L} & \text{E} \\ | & | & | & | & | \\ (1 + 16 + 16 + 12 + 5) \times 2 = 100 \end{array}$$

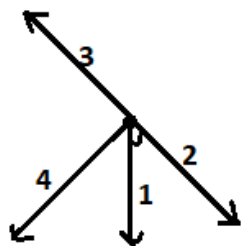
S43. Ans.(d)

Sol. Inner figure touch rectangle except (d)

S44. Ans.(c)

S45. Ans.(d)

Sol.



S46. Ans.(d)

Sol. $\frac{a}{4} = \frac{b}{7} = \frac{c}{11} = k$

$$A = 4k$$

$$B = 7k$$

$$C = 11k$$

$$\frac{a + b + c}{a} = \frac{4k + 7k + 11k}{4k} = \frac{22}{4} = \frac{11}{2} = 5.5$$

S47. Ans.(a)

Sol. $x^3 + y^3 + z^3 - 3xyz = \frac{1}{2} (x+y+z) [(x-y)^2 + (y-z)^2 + (z-x)^2]$
 $= \frac{1}{2} [2019] (4+4+16)$
 $= 2019 \times 12 = 24228$

S48. Ans.(b)

Sol.

$$A B C D$$

$$\frac{1}{3} : \frac{1}{5} : \frac{1}{7} : \frac{1}{13}$$

$$455 : 273 : 195 : 105$$

$$455+273+195+105 = 1028$$

$$1028\text{-----}27756$$

$$\times 27$$

$$A = 455 \times 27 = \text{Rs. } 12285$$

$$B = 273 \times 27 = \text{Rs. } 7371$$

$$C = 195 \times 27 = \text{Rs. } 5265$$

$$D = 105 \times 27 = \text{Rs. } 2835$$

S49. Ans.(a)

Sol.

$$100 \text{ ————— } 29000$$

$$1 \text{ ————— } 290$$

$$7 \text{ ————— } 2030$$

S50. Ans.(c)

Sol.

$$17\% - 15\%$$

$$2\%$$

$$100\% \text{ ————— } 29000$$

$$1\% \text{ ————— } 290$$

$$2\% \text{ ————— } 580$$

S51. Ans.(a)

Sol.

$$100\% \text{ ————— } 360^\circ$$

$$1\% \text{ ————— } 3.6^\circ$$

$$43\% \text{ ————— } 154.8^\circ$$

S52. Ans.(b)

Sol.

$$\begin{array}{r} 123 \overline{) 10000} \left(81 \right. \\ \underline{-984} \\ 160 \\ \underline{-123} \\ 37 \end{array}$$

$$10000 + 86$$

$$10086$$

S53. Ans.(b)

$$\text{Sol. } \frac{(3.4567)^2 - (3.4533)^2}{0.0034}$$

$$= \frac{(0.0034)(6.91)}{(0.0034)}$$

$$= 6.91$$

S54. Ans.(d)

Sol. If $a + \frac{1}{a} = 2$, then $a = 1$

$$a^{256} + \frac{1}{a^{256}} - 3 = 1 + 1 - 3 = -1$$

S55. Ans.(b)

Sol.

$$\begin{array}{rcl} \text{B} & \text{G} & \\ 9 & 7 & \\ & \times 43 & \\ \hline & & 688 \\ \\ 1 & : & 1 \\ 9 & : & 9 \end{array} \left. \vphantom{\begin{array}{rcl} \text{B} & \text{G} & \\ 9 & 7 & \\ & \times 43 & \\ \hline & & 688 \\ \\ 1 & : & 1 \\ 9 & : & 9 \end{array}} \right\} 2 \begin{array}{rcl} & & \\ & \times 43 & \\ \hline & & 86 \end{array}$$

S56. Ans.(a)

Sol. In computing, multitasking is a concept of performing multiple tasks (also known as processes) over a certain period of time by executing them concurrently. They've replaced time sharing terminology.

S57. Ans.(a)

Sol. Ctrl + F is the short cut key combination to open find dialogue box.

S58. Ans.(a)

Sol. Word processing is the overall term for creating, editing, formatting, storing, retrieving and printing a text document.

S59. Ans.(c)

Sol. Insert >> Picture >> Clip Art series of action opens clip art taskbar.

S60. Ans.(c)

Sol. Motion path is a method of moving items on a slide.

S61. Ans.(a)

Sol. Growth is the part of development.

S62. Ans.(b)

Sol. Autocratic leadership is a management style wherein one person controls all the decisions and takes very little inputs from other group members. Autocratic leaders make choices or decisions based on their own beliefs and do not involve others for their suggestion or advice.

S63. Ans.(c)

Sol. The preoperational stage is the second stage in Piaget's theory of cognitive development. This stage begins around age two and lasts until approximately age seven. During this period, children are thinking at a symbolic level but are not yet using cognitive operations. Egocentrism refers to the child's inability to

see a situation from another person's point of view. The egocentric child assumes that other people see, hear, and feel exactly the same as the child does. In the developmental theory of Jean Piaget, this is a feature of the preoperational child. Children's thoughts and communications are typically egocentric

S64. Ans.(a)

Sol. The unfolding of biologically inherited potentialities as a function of time or in an age related sequence is called maturation

S65. Ans.(b)

Sol. "Mnemonic" is simply another word for memory tool. Mnemonics are techniques for re-packaging information, helping your brain to store it safely – and find it again at the right moment. Mnemonics often use rhymes and rhythms to make hard-to-learn information stick in our brains.

S66. Ans.(c)

Sol. Individual differences

S67. Ans.(d)

Sol. Observational learning describes the process of learning by watching others, retaining the information, and then later replicating the behaviors that were observed. Observational learning is sometimes called shaping, modeling, and vicarious reinforcement. While it can take place at any point in life, it tends to be the most common during childhood.

S68. Ans.(d)

Sol. If a student is given reward for every correct response for every five minutes, the reinforcement schedule is Fixed Interval

S69. Ans.(b)

Sol. As per the RTE Act, 2009 a school with classes I to V shall have Head Teacher, if the student's strength of the school is 150 & above

S70. Ans.(b)

Sol. In P.W.D. Act, 1995 the term 'P.W.D.' stands for Persons with Disability.

S71. Ans.(c)

Sol. Both high and low ability groups benefit.

S72. Ans.(c)

Sol. NCF - 2005 suggested to shift learning within the four walls of the class room to this Learning in the wider society context.

S73. Ans.(c)

Sol. 1 – C, 2 – A, 3 – D, 4 – B

Dyslexia – is defined as chronic neurological disorder causing inability or great difficulty in learning to read or spell, despite normal intelligence.

Dysgraphia is a learning disability that affects writing, which requires a complex set of motor and information processing skills. Dysgraphia makes the act of writing difficult.

Dyscalculia can vary from person to person. And, it can affect people differently at different stages of life. People with dyscalculia can have visual-spatial difficulties and language processing difficulties.

Developmental dyspraxia is an impairment or immaturity of the organization of movement. It is an immaturity in the way that the brain processes information, which results in messages not being properly or fully transmitted.

S74. Ans.(c)

Sol. If you were a primary school teacher, you would try to nurture creativity among all children.

S75. Ans.(c)

Sol. The term 'neonate' refers to New born child

S76. Ans.(b)

Sol. By learning through rote memorisation.

S77. Ans.(c)

Sol. Inquiry method

S78. Ans.(c)

Sol. Extrinsic

S79. Ans.(d)

Sol. Law of effect

S80. Ans.(b)

Sol. Identity Vs Role confusion