Roll No.

Candidate Name

Exam Name   : **PC-01** ⌄

Test Date   :01/25/2022

Test Time   :Shift - 2

Center   :Gwalior-9 (Shri Vaishnav Institute of Technology & Management)

Correct Option selected Wrong Option selected or Not Answered Correct Option

Q.No: 1   200-bedded super speciality block (SSS) was established under the Government of India's Pradhan Mantri Swasthya Suraksha Yojana (PMSSY). The SSB will be configured with how many portable operation theatres in Madhya Pradesh?

A   **19**

B   **25**

C   **10**

D   **6**

Q.No: 2   Which of the following statements is incorrect about Swami Dayanand Saraswati

A   **He founded the Arya Samaj.**

B   **He was opposed to idolatry and priesthood.**

C   **He believed in the infallibility of the Vedas.**

D   **He was against the study of western sciences.**

Q.No: 3   Which of the following districts fall under Central India plateau?

A   **Sidhi**

B   **Khandwa**

C   **Shivpuri**

D   **Indore**

Q.No: 4   Which of the following content is found in excess in Laterite Soil?

A   **Calcium**

B   **Organic Matter**

C   **Potash**

D   **Nitrogen**

Q.No: 5   In which of the following years Queen Victoria assumed the title of Kaiser-i-Hind (the Empress of India)?

A   **1875**

B   **1876**

C   **1877**

D   **1878**

Q.No: 6   Tree cover in Madhya Pradesh has increased by _____ sq km as compared to the previous assessment report of ISFR 2017.

A   **266**

B   **500**

C   **622**

D   **1100**

Q.No: 7   Total state's own tax revenue of Madhya Pradesh is estimated to be how much crore in 2021-22?

A   **Rs 65,254 crores**

B   **Rs 14,129 crores**

C   **Rs 42,556 crores**

Rs 23,756 crores

D   Rs 25,700 crores

Q.No: 8   What is the economy of India like?

A   **Communist**

B   **Socialist**

C   **Mixed**

D   **Capitalist**

Q.No: 9   In MP Budget 2021-22, the Scheme Mukhya Mantri Krishak Fasal Uparjan Sahayata Yojana has been allocated how much rupees for farmers?

A   **500 crores**

B   **3000 crores**

C   **4500 crores**

D   **2000 crores**

Q.No: 10   In which city Madhya Pradesh Athletics Association is situated?

A   **Rewa**

B   **Bhopal**

C   **Indore**

D   **Ujjain**

Q.No: 11   Which book was written by Dr. B.R Ambedkar?

A   **Siddharta**

B   **Dhammapada**

C   **The Buddha and His Dhamma**

D   **The Heart of the Buddha**

Q.No: 12   When does International Customs Day observed?

A   **30 April**

B   **12 May**

C   **26 January**

D   **21 August**

Q.No: 13   First Finance Commission of Madhya Pradesh was constituted in which of the following year?

A   **1995**

B   **1982**

C   **1988**

D   **1992**

Q.No: 14   Who won a gold in Commonwealth Weightlifting Championships 2021?

A   **Pardeep Singh**

B   **Sanket Mahadev Sargar**

C   **Gurdeep Singh**

D   **Mirabai Chanu**

Q.No: 15   Gurupurab festival is celebrated in which state?

A   **Punjab**

B   **Haryana**

C   **Uttarakhand**

D   **Himachal Pradesh**

Q.No: 16   The Quit India Movement was also known as-

A   **Satyagraha**

B   **The August Movement**

C

D   Khilafat Movement
    Kheda Movement

Q.No: 17   Which country emerged as the winner of the Asian Champions Trophy men's hockey tournament held in Bangladesh?

A   India

B   Korea

C   Pakistan

D   Nepal

Q.No: 18   Which city in Madhya Pradesh is named after Raja Bhoja?

A   Bhopal

B   Betul

C   Bhind

D   Indore

Q.No: 19   Dr. Shankar Dayal Sharma served as a President in -

A   1992-1997

B   1986-1991

C   1981-1986

D   1976-1981

Q.No: 20   _____ is associated with the Bhakti movement in the North India.

A   Kathakali

B   Bharatnatyam

C   Kathak

D   Mohiniyattam

Q.No: 21   Angiosperm consists of -

A   tracheid's

B   fruits

C   vessels

D   flowers

Q.No: 22   Milk is a _____.

A   Matter

B   Mixture

C   Element

D   Atom

Q.No: 23   Generally at _____ years of age the menstrual cycle stops.

A   35-40

B   45-50

C   30-35

D   25-29

Q.No: 24   The reaction between water and calcium chloride is an example of ___ reaction.

A   Exothermic

B   Chemical change

C   Physical change

D   Endothermic

Q.No: 25   Which of the following can lead to the prevention of diseases due to improper sanitation?

A   Lack of proper toilets

B   Scarcity of clean drinking water

    Keeping strict watch over contamination of food

C   Keeping strict watch over contamination of food

D   **Unregulated growth of habitations**

Q.No: 26   In thermodynamics, which process includes no change in volume and the system does no work?

A   **Isochoric Process**

B   **Isothermal Process**

C   **Adiabatic Process**

D   **Isobaric Process**

Q.No: 27   Icterus is another name of -

A   **Jaundice**

B   **Cholera**

C   **Hantavirus fever**

D   **Typhoid**

Q.No: 28   Which of the following is not a characteristic of enterobacteria?

A   **They are usually aerobic heterotrophs**

B   **Rhizobium**

C   **E. coli, salmonella, vibrio cholera**

D   **gram-negative and rod shaped**

Q.No: 29   _____ is responsible for holding the atmosphere consisting of a large number of gases.

A   **Gravity**

B   **Wind**

C   **Clouds**

D   **Earth's magnetic field**

Q.No: 30   The retina is the _____ surface of the eye.

A   **Black**

B   **Blue**

C   **Red**

D   **White**

Q.No: 31   _____ the amplitude of the vibration, the _____ is the sound.

A   **smaller, milder**

B   **larger, milder**

C   **smaller, louder**

D   **larger, louder**

Q.No: 32   Which of the following is a direct method of transmission of pathogens?

A   **Fomite like bedding**

B   **Exposure to contaminated blood**

C   **Vector like mosquitoes**

D   **Carrier like house-flies**

Q.No: 33   Which one is incorrect regarding the different ways our surroundings get polluted?

A   **Water waste**

B   **Industries waste**

C   **Vehicular pollution**

D   **Domestic waste**

Q.No: 34   The two lower chambers in the heart are called _____.

A **Ventricles**

B **Pulmonary vein**

C **Aorta**

D **Atria**

Observe the following figure given below. This organism belongs to which phylum?

Q.No: 35

A **Roundworm**

B **Annelida**

C **Mollusca**

D **Arthropoda**

Select the option /number which is related to 3rd number in the same way as 2nd number is related to a
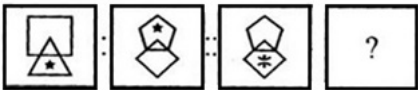Q.No: 36 1st number?
13 : 9 :: 31 : ?

A **6**

B **12**

C **3**

D **4**

A particular Analogy is being shown. Understand the logic and complete the analogy by selecting correct option:

Q.No: 37

A

B

C

D

Find the wrong term in the series?

Q.No: 38

A E B I O U

A **U**

B **B**

C **A**

D **I**

Q.No: 39 Given question has main statement followed by four statements. Choose the ordered pair of statements, where the first statement implies the second, and the two statements are logically consistent with the main statement.

He is either cunning or gullible.

A. He is cunning

B. He is not gullible.

C. He is gullible.

D. He is not cunning

A   DC

B   BD

C   **CB**

D   **AC**

Select the option that is related to the third figure in the same way that the second figure is related to the first figure.

Q.No: 40

A   (d)

B   (c)

C   (b)

D   (a)

If the mirror is placed on the line, then which of the answer figure is the right mirror image of the given figure?

Q.No: 41

A

B

C

D

Q.No: 42   A compass was damaged and its needle turned in such a manner that the pointer, which was showing east, is now showing south. One person went towards west as per above compass. In which direction did he actually go?

A   **West**

B   **South**

C   **East**

D   **North**

Q.No: 43   Given question has main statement followed by four statements. Choose the ordered pair of statements, where the first statement implies the second, and the two statements are logically consistent with the main statement.

You are god fearing if you are religious

A. you are religious

B. you are not religious

C. You are god fearing

D. You are not god fearing

A **BA**

B **CA**

C DB

D **AB**

Q.No: 44 A postman was returning to his post office which was to the south in front of him, when the post office was 200 meters away from him, he turned to his left and walked 100 meters to deliver the last letter in the home. After that, walking 50 meters in the same direction, he took a left turn and walked 200 metres. How far was he from the post office?

A 150

B **0**

C **50**

D **100**

Q.No: 45 Select the option that is related to the third number in the same way as the second number is related to the first number.

729 : 512 : : 343 : ?

A **256**

B 216

C **225**

D **230**

Q.No: 46 Krishnakant goes 10 km North, again he goes 6 km South, after that he goes 3 km East and again turns right and goes 4 km. Tell how far and in which direction is he from his starting position?

A **7 km East**

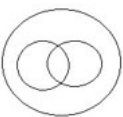B **4 km East**

C 3 km East

D **6 km West**

Q.No: 47 Identify the diagram that best represents the relationship among the given classes.

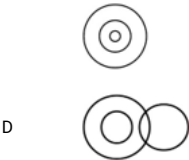Paddy, Crops, pesticides

A

B

C

D

Q.No: 48 Which of the following diagram indicates best relation between Frog, Crocodile and Amphibian?

A

B

C

D

Q.No: 49 Three of the following four number-pairs are alike in a certain way and one is different Identify the different one

A **12:4**

B **17:6**

C **21:2**

D **14:3**

Given question has main statement followed by four statements. Choose the ordered pair of statements, where the first statement implies the second, and the two statements are logically consistent with the main statement.

She goes to meet either her mother or her friends on Sundays.

Q.No: 50 A. She went to meet her mother

B. She did not go to meet her mother

C. She went to meet her friends

D. She did not go to meet her friends

A **CD**

B **AB**

C **CA**

D **DA**

Q.No: 51 Choose the group of letter which is different from other.

A **UNV**

B **ARO**

C **FRA**

D **ICH**

Q.No: 52 Select the Lettered pair that has the same relationship as given in the questions:

Agenda : Meeting

A **Programme : Function**

B **Map : Scale**

C **Footnote : Article**

D **Performance : Ticket**

Find the related group of letters from the given alternatives.

Q.No: 53

ACFJ : ZXVT :: EGJN : ?

A VXZB

B **VTRP**

C ZXVT

D PRTV

In the following question, a series of letters is given. Some letters have been removed in these series, and they are in the options given below the series in the same order as they should be. Study the given series carefully out of the four alternatives given below, and find the one that best fits in place of the missing letter of the series.

Q.No: 54

a a _ b b b _ c c a a a b _ b c _ c

A **a c b c**

B **b b c c**

C **b c c c**

D **c c c b**

Q.No: 55 Select the option that is related to the third word in the same way as the second pair is related to the first pair.

Funny : Comical :: Baffle : ?

A **Deligent**

B **Fair**

C **Absent**

D **Confuse**

Q.No: 56 Simplify: $\frac{1}{3} + \frac{7}{9} \div \left(\frac{7}{10} \times 1\frac{1}{4} \right)$

A $\frac{17}{9}$

B $1\frac{4}{9}$

C $1\frac{2}{9}$

D $\frac{7}{9}$

Q.No: 57 The ratio of present age of Suresh and Ramesh is 5: 6. After 5 years, the ratio of their age will be 6: 7. Difference of their present age is:

A **5 years**

B **8 years**

C **10 years**

D **14 years**

Q.No: 58 The average of 3,8,9 and x is 6 and the average of 17,2,5,x and y is 8.what is the value of y?

A **30**

B **12**

C **5**

D **20**

On weekdays, the different temperatures of a city were noted, which is as follows:

Q.No: 59 32^0c, 35^0c, 34^0c, 36^0c, 31^0c, 33^0c, 36^0c, and 38^0c. What was the average temperature for the whole week?

A 34^0c

B 33^0c

C 35^0c

D 32^0c

Q.No: 60 In how much time will a sum of Rs. 8000 amount to Rs. 12167 at 15% per annum compound interest?

A **3 years**

B **2 years**

C **5 years**

D **8 years**

What should come in place of question mark in the following number series?

Q.No: 61 $1418 - 6942 \div 89 = ? \times 20$

A **69**

B **70**

C **67**

D **65**

What should come in place of question mark in the following number series?

Q.No: 62 $21^2 + 13^2 - 17^2 - 104 = ? + 6^3$

A   **2**

B   **1**

C   **6**

D   **4**

Q.No: 63   The average age of Mr. Mark's 3 children is 8 years. A new baby is born. Find the average age of all is children?

A   **8 years**

B   **6 years**

C   **7 years**

D   **9 years**

Q.No: 64   Sugar worth Rs.140/kg & Rs. 135/kg are mixed with a third variety in the ratio 1:2:1. If the mixture is worth Rs. 153/kg, the price of the 3 variety per kg?

A   **207.5/kg**

B   **153.50/kg**

C   **105.10/kg**

D   **252.10/kg**

Q.No: 65   Convert into paise.

861 paise : 28 rupees

A   **123 : 400**

B   **532 : 701**

C   **61 : 790**

D   **719 : 110**

Q.No: 66   Solve:

$46 - 21 \times 2 + 888 \div 8 + (89 - 24 \times 3 + 15 \div 3)$

A   **147**

B   **145**

C   **140**

D   **137**

Q.No: 67   In a 300 ml solution containing 25% magnesium. How much pure magnesium should be added?

A   **65**

B   **55**

C   **95**

D   **75**

Q.No: 68   What should come in place of question mark in the following number series?

$4857 - ?^3 = 24352 \div 32$

A   **16**

B   **15**

C   **13**

D   **18**

Q.No: 69   If a:b = 5:6 and b:c = 9:5, then a:c =

A   **2:3**

B   **6:5**

C   **9:3**

D   **3:2**

Q.No: 70   The average of two numbers is XY. If one number is X, then the other number is

A   **Y**

B

C	2XY - X
D	Y/2

Q.No: 71 From the given words, select the word which cannot be formed using the letters of the given word.

DETERMINATION

A	**TERMINATE**
B	**DOMINATE**
C	**DESTINATION**
D	**DETENTION**

Q.No: 72 If JPG = 19 and PNG = 23, then TIF = ?

A	**20**
B	**13**
C	**15**
D	**23**

Q.No: 73 In a certain code, a number 13479 is written as AQFJL and 5286 is Written as DMPN. How is 396824 written in that code?

A	**QLPNDF**
B	**QLPNMF**
C	**QLPNKJ**
D	**QLNPMF**

In the following question, some statements followed by some conclusions are given. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements :

I. All momento are shining.

II. All shining are camera.

Q.No: 74

Conclusion :

I. All camera are shining.

II. All momento are camera.

III. All shining are momento.

IV. Some camera are momento.

A	**Only (II) and (IV).**
B	**Only I follow.**
C	**None of the four.**
D	**Only (I) and (IV).**

Q.No: 75 If in a certain code language 'GAME' is written as '0720012613140522', then how will 'NOT' be coded in that language?

A	**141315122007**
B	**141315127002**
C	**131415122007**
D	**121413152007**

Q.No: 76 In question below are three statements followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly facts and then decide which of the given conclusions logically follows from the given statements.

Statements:

I. Some tigers are lions.

II. Some lions are horses.

III. Some horses are camels.

Conclusions:

I. Some camels are lions .

II. No camel is lion.

III. Some tigers are horse.

A   **Neither conclusion I nor II follows.**

B   **Either conclusion I or II follows.**

C   **Only conclusion III follows.**

D   **Both conclusions I and III follows.**

Q.No: 77   If rings are called earrings, earrings are called bracelet, bracelet is called anklet, anklets are called bangles and bangles are called watch. Which of the following we can wear on finger?

A   **Watch**

B   **Bangles**

C   **Earrings**

D   **Rings**

Q.No: 78   If each letter of the English alphabet is assigned an odd numerical value in increasing order, such as **A = 1, B = 3** and so on, then what will be the code of **AIRINDIA**?

A   **2771711173517**

B   **1173517177271**

C   **1173517277171**

D   **1172771735171**

Q.No: 79   If knife is called needle, needle is called scissor, scissor is called handle, handle is called lock, lock is called key and key is called thread. We open the lock with:

A   **Thread**

B   **Scissor**

C   **Lock**

D   **Key**

Q.No: 80   How many such pairs of letters are there in the word 'REPRODUCE, each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series?

A   **Two**

B   **Three**

C   **One**

D   **Four**

Six candidates - P, Q, R, S and T sits in a row for an interview all facing to the North. These are the information about their sitting arrangement.

U and S are at the extreme ends.

Q.No: 81   Q and T are at the center.

P is to the left of R.

Which is the second person from the right end?

A   **T**

B   **R**

C   **S**

D   **Q**

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

Statements:

Some brothers are fathers.

Q.No: 82   No father is a mother.

Some mothers are sisters.

Conclusions:

I. No sister is father.

II. Some sisters are fathers.

A   **Only conclusion I follow**

B   **Only conclusion II follows**

C   **Both conclusion I and II follow**

D   **Either conclusion I or II follows**

Q.No: 83 If '**BAT**' is coded as **4240** and '**SAM**' is coded as **38226**, then '**NUM**' will be coded as?

A   **284226**

B   **284224**

C   **284026**

D   **264026**

Q.No: 84 From the given alternative words, select the word which cannot be formed using the letters of the given word.

BROUSERS

A   **Sour**

B   **Buses**

C   **Serbose**

D   **Bose**

Q.No: 85 Which one word can be formed from the following letters ?

b u s d w m o r

A   **bookworm**

B   **bathroom**

C   **bedroom**

D   **budworms**

Q.No: 86 If hemisphere's radius is 21 cm then, calculate the hemisphere's surface area.

A 4158 cm^2

B 6162 cm^2

C 5562 cm^2

D 2218 cm^2

Q.No: 87 Two taps A and B can fill an overhead tank in 16 hours and 17 hours respectively. Both the taps are opened for 3 hours and then B is turned off. How much time will A take to fill the remaining tank?

A   **267/32 hours**

B   **523/12 hours**

C   **380/23 hours**

D   **173/17 hours**

Q.No: 88 The perimeter of a rectangle is 90 cm². If its length is 5 cm, find its breadth.

A   **60 cm**

B   **80 cm**

C   **40 cm**

D   **55 cm**

Q.No: 89 Find the volume of a frustum with radii 6 cm and 8 cm and height is 10 cm.

A 1750 cm^3

B 2025 cm^3

C 1550 cm^3

D 2150 cm^3

Q.No: 90 Solve the following equations for x.

$6x - 27 + 3x = 4 + 9 - x$

A   **−4**

B   6

C   5

D   4

Q.No: 91   A5676432783215B is divisible by 18 find the value of 9A − 5B.

A   55

B   78

C   26

D   56

Q.No: 92   The sum of the digits of a two-digit number is 4 more than the excess of the units digit over the ten's digit. If the product of the digits is 16, find the number.

A   32

B   28

C   44

D   82

Q.No: 93   Which of the following is divisible by 31?

A   155186

B   2847491

C   383929

D   482901

Q.No: 94   What should come in place of the question mark (?) in the following number series?

53, 53, 40, 40, 27, 27, ?

A   51

B   14

C   12

D   27

Q.No: 95   Find triangle's area if its base is 15 cm and height is 10 cm.

A 40 cm^2

B 85 cm^2

C 75 cm^2

D 110 cm^2

Q.No: 96   Calculate the cylinder's height if its curved surface area is 528 cm^2 and radius is 14 cm.

A   11 cm

B   9 cm

C   7 cm

D   6 cm

Q.No: 97   36 men together can build a wall 140 m long in 21 days. The number of men working at the same rate required to build the same wall in 14 days is−

A   48

B   54

C   36

D   18

Q.No: 98   The area of a rhombus is 50 cm^2. if its perimeter is 25 cm, and then find its altitude.

A

	5
B	3
C	4
D	3.3

Q.No: 99   Which of the following is divisible by 41?

A   975135

B   887655

C   8643157

D   803457

Q.No: 100   The ratio of present ages of Vijay and Prashant is 8 : 9. The ratio of their ages before 6 years was 13 : 15. Find the ratio of their ages of 12 years from now.

A   12 : 13

B   13 : 14

C   10 : 11

D   11 : 12