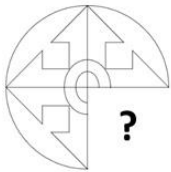


Scientific Assistant in India Meteorological Department Examination 2022

Roll Number	
Candidate Name	
Venue Name	
Exam Date	15/12/2022
Exam Time	1:00 PM - 3:00 PM
Subject	IMD Scientific Assistant Computer Science and Information Technology

Section : General Intelligence and Reasoning

Q.1 Select the option figure that will replace the question mark (?) in the given figure to complete the pattern.



Ans

- ✗ 1.
- ✓ 2.
- ✗ 3.
- ✗ 4.

Question ID : 26433068859
Status : Answered
Chosen Option : 2

Q.2 Which two signs and two numbers should be interchanged in the following equation to make it correct?
 $(5.25 \times 6 \times 4) - 2 \div 7 = 16$

- ✗ 1.

5.25 and 2, ÷ and -
- ✗ 2.

7 and 4, ÷ and -
- ✗ 3.

16 and 2, ÷ and =
- ✓ 4.

7 and 2, ÷ and -

Question ID : 26433079143
Status : Answered
Chosen Option : 1

SSC Scientific Assistant (IMD) Study Kit



- 100% Paper-1 & Paper-2 Syllabus Covered
- Covered with Home assignment MCQs
- 1 year Current Affairs (PDF Copy)
- 5 Paper-1 Mock Practice Tests (PDF Copy)
- SSC Current Affairs Magazine (PDF Copy)

**SPECIAL
OFFER**

✓ 100%
SAFE

**50%
OFF**

SSC IMD PDF NOTES

100% Syllabus Covered



CLICK HERE

CLICK BELOW LINK TO DOWNLOAD PDF NOTES

<https://sscportal.in/study-kit/scientific-assistant>

<https://sscportal.in/study-kit>

Q.3 Six people are sitting around a circular table facing the centre. P sits second to the left of Q. S is an immediate neighbour of both Q and U. T sits second to the left of R. How many people sit between T and R when counted from the left of T?

- Ans
- ☒ 1. 4
 - ☒ 2. 1
 - ☒ 3. 3
 - ☒ 4. 2

Question ID : 26433079509
Status : Answered
Chosen Option : 2

Q.4 'A @ B' means 'A is the sister of B'.
'A & B' means 'A is the brother of B'.
'A # B' means 'A is the wife of B'.
'A ^ B' means 'A is the mother of B'.
'A + B' means 'A is the father of B'.
If B # A + H @ J # I & G + O & P + Q, then which of the following statements is NOT correct?

- Ans
- ☒ 1. G is the paternal grandfather of Q.
 - ☒ 2. B is the paternal grandmother of P.
 - ☒ 3. A is the father of J.
 - ☒ 4. G is the father of P.

Question ID : 26433092742
Status : Answered
Chosen Option : 2

Q.5 In a certain code language, 'HORSE' is written as 'VHILS' and 'ORBIT' is written as 'GRYIL'. How will 'RIDER' be written in that language?

- Ans
- ☒ 1. I VWRI
 - ☒ 2. IVDWR
 - ☒ 3. KLRT
 - ☒ 4. REIDR

Question ID : 26433068006
Status : Answered
Chosen Option : 1

Q.6 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- Ans
- ☒ 1. MNR
 - ☒ 2. AZE
 - ☒ 3. EVI
 - ☒ 4. IRM

Question ID : 26433082265
Status : Answered
Chosen Option : 1

Q.7 In a certain code language, 'RADIO' is coded as 20361117 and 'PLATE' is coded as 18143227. How will 'MUSIC' be coded in that language?

- Ans ☒ 1. 152321115
☐ 2. 146811824
☐ 3. 132119923
☐ 4. 111917711

Question ID : 26433074521
Status : Answered
Chosen Option : 1

Q.8 Looking at a picture of a woman, Neena said, "She is the sister of my mother's only daughter's husband." How is Neena related to the woman in the picture?

- Ans ☐ 1. Mother's sister
☐ 2. Mother
☐ 3. Sister
☒ 4. Brother's wife

Question ID : 26433092755
Status : Answered
Chosen Option : 3

Q.9 Read the given statement(s) 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 conclusions logically follow(s) from the statement(s).

Statements:
All beds are pillows
Some pillows are blankets
All blankets are cushions
Conclusions:
I. Some pillows are cushions
II. Some beds are blankets
III. All cushions are beds

- Ans ☐ 1. Conclusions II and III follow
☒ 2. Only Conclusion I follows
☐ 3. Conclusions I and II follow
☐ 4. Only conclusion III follows

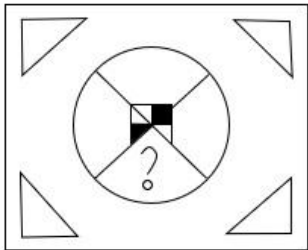
Question ID : 26433074724
Status : Answered
Chosen Option : 2

Q.10 Which of the following options will replace the question mark (?) in the given series?
11, 43, 66, ? , 121, 153, 176

- Ans ☐ 1. 89
☒ 2. 98
☐ 3. 111
☐ 4. 101

Question ID : 26433089430
Status : Answered
Chosen Option : 2

Q.11 Select the option that will replace the question mark (?) in the given figure to complete the pattern.



- Ans
- ✓ 1.
 - ✗ 2.
 - ✗ 3.
 - ✗ 4.

Question ID : 26433055728
Status : Answered
Chosen Option : 1

Q.12 Which of the following letters will replace the question mark (?) and complete the following letter series?
G, I, K, M, O, Q, ?

- Ans
- ✗ 1. T
 - ✗ 2. R
 - ✗ 3. P
 - ✓ 4. S

Question ID : 26433069550
Status : Answered
Chosen Option : 4

Q.13 Select the letter-cluster pair that best represents a similar relationship to the one expressed in the pair of letter-clusters given below.
BLADE : LBAED

- Ans
- ✗ 1. GROWL : RGLOW
 - ✗ 2. ROCKS : SROCK
 - ✓ 3. POINT : OPITN
 - ✗ 4. DREAM : RDEAM

Question ID : 264330103847
Status : Answered
Chosen Option : 3

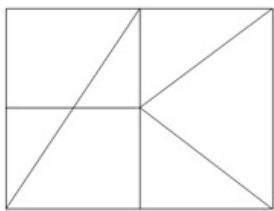
Q.14 Which of the following numbers will replace the question mark (?) in the given series?
15, 20, 40, 120, 440, ?

- Ans
- ✗ 1. 1750
 - ✓ 2. 1720
 - ✗ 3. 1710
 - ✗ 4. 1722

Question ID : 26433087031
Status : Answered
Chosen Option : 2

Q.15 Two statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements. Statements: All leaves are roots. All roots are trucks. Conclusions: I. All leaves are trucks. II. All trucks are roots. Ans ☒ 1. Only conclusion I follows ☒ 2. Neither conclusion I nor II follows ☒ 3. Only conclusion II follows ☒ 4. Both conclusions I and II follow	Question ID : 26433091686 Status : Answered Chosen Option : 1
Q.16 According to the series given below, fill in the blank with a suitable letter that would satisfy the series. U T S R _____ Ans ☒ 1. Q ☒ 2. X ☒ 3. W ☒ 4. Z	Question ID : 26433081975 Status : Answered Chosen Option : 1
Q.17 Six friends Farheen, Pooja, Richa, Sonika, Vani and Tanya are sitting around a circular table facing the centre. Farheen is an immediate neighbour of both Pooja and Richa. Sonika is sitting second to the right of Pooja. Vani is sitting third to the left of Richa. Tanya is an immediate neighbour of both Sonika and Richa. Who sits second to the right of Vani? Ans ☒ 1. Tanya ☒ 2. Richa ☒ 3. Sonika ☒ 4. Farheen	Question ID : 26433082281 Status : Answered Chosen Option : 1

Q.18 Select the option figure that is embedded in the given figure, as its part.
(Rotation is not allowed.)



Ans

✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question ID : 26433069071
Status : Answered
Chosen Option : 3

Q.19 Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.
 $57 * 27 * 17 * 18 * 9 * 45$

Ans ✗ 1. +, x, +, -, =

✗ 2. +, -, +, -, =

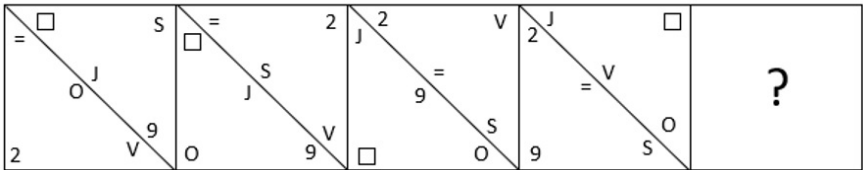
✗ 3. +, +, +, -, =

✓ 4. -, +, -, ÷, =

Question ID : 26433079350
Status : Answered
Chosen Option : 3

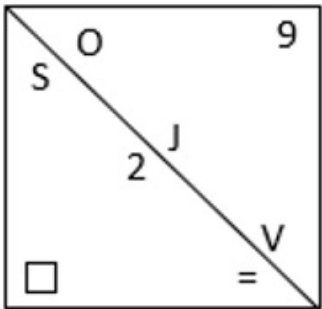
Q.20 उस विकल्प का चयन करें, जो तीसरे शब्द से उसी प्रकार संबंधित है, जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है। (शब्दों को अर्थपूर्ण अंग्रेजी/हिंदी के शब्दों के रूप में माना जाना चाहिए और इन्हें शब्द में अक्षरों की संख्या / व्यंजनों की संख्या / स्वरों की संख्या के आधार पर एक दूसरे से संबद्ध नहीं किया जाना चाहिए।) हाथी : मंथर चाल (Amble) :: घोड़ा : ? Ans ☒ 1. फ्लैप्स (Flaps) ☒ 2. मिमियाहट (Bleat) ☒ 3. गैलप (Gallop) ☒ 4. उड़ना (Flit)	Question ID : 26433068061 Status : Answered Chosen Option : 1
Q.21 Which option represents the correct order of the given words as they would appear in an English dictionary? 1. Baste 2. Basin 3. Batch 4. Basil 5. Baton Ans ☒ 1. 1, 3, 5, 4, 2 ☒ 2. 4, 2, 1, 3, 5 ☒ 3. 3, 1, 5, 4, 2 ☒ 4. 3, 1, 5, 2, 4	Question ID : 264330103770 Status : Answered Chosen Option : 2
Q.22 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term. 777 : 21 :: 888 : ? :: 111 : 3 Ans ☒ 1. 24 ☒ 2. 26 ☒ 3. 32 ☒ 4. 40	Question ID : 26433082665 Status : Answered Chosen Option : 1

Q.23 Select the figure from the options that can replace the question mark (?) and complete the given pattern.

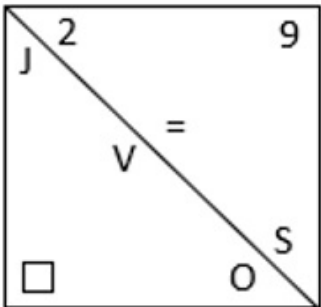


Ans

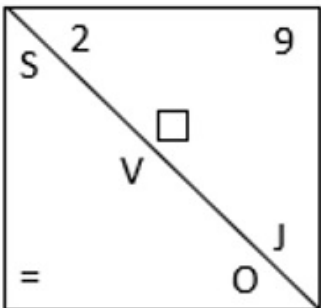
✗ 1.



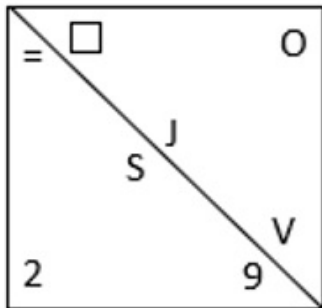
✗ 2.



✗ 3.



✓ 4.



Question ID : 26433085811
Status : Answered
Chosen Option : 3

Q.24 Six people M, N, O, P, Q and R are sitting in a straight row facing north. O is occupying an end seat such that R is second to the right of O. Q is third to the right of R. P and Q are the immediate neighbours of M. How many people are seated between N and M?

- Ans
- ☒ 1. One
 - ☒ 2. Two
 - ☒ 3. Four
 - ☒ 4. Three

Question ID : 26433074527
Status : Answered
Chosen Option : 2

Q.25 There are seven students J,K,L,M,N,O and P. Each scored different marks in a test. N scored higher than M but less than L. O scored higher than K but less than J. P scored higher than L but less than K. Who scored the second highest marks among all?

- Ans
- ☒ 1. K
 - ☒ 2. O
 - ☒ 3. M
 - ☒ 4. J

Question ID : 26433068887
Status : Answered
Chosen Option : 2

Section : Quantitative Aptitude

Q.1 What is the value of $\frac{X}{Y}$ if $\frac{2X-3Y}{2X+3Y} = \frac{5}{23}$?

- Ans
- ☒ 1. $\frac{7}{3}$
 - ☒ 2. $\frac{11}{3}$
 - ☒ 3. $\frac{3}{7}$
 - ☒ 4. $\frac{7}{5}$

Question ID : 26433058225
Status : Answered
Chosen Option : 1

Q.2 Two trains started from stations S and T and travelled towards each other at speeds of 65 km/h and 75 km/h, respectively. If the second train travelled 110 km more than the first train at the time of meeting, then the distance between S and T is _____.

- Ans
- ☒ 1. 1540 km
 - ☒ 2. 1100 km
 - ☒ 3. 1320 km
 - ☒ 4. 1210 km

Question ID : 26433091934
Status : Not Answered
Chosen Option : --

Q.3 What is the value of $0.46 \times 0.46 + 0.54 \times 0.54 + 0.46 \times 1.08 = ?$

- Ans
- ☒ 1. 0.4968
 - ☒ 2. 1.54
 - ☒ 3. 1
 - ☒ 4. 0.2484

Question ID : 264330106884
Status : Answered
Chosen Option : 3

Q.4 What is the correct vulgar fraction for the mixed recurring decimal number $9.4\overline{83}$?

- Ans
- ☒ 1. $\frac{938}{99}$
 - ☒ 2. $\frac{3131}{330}$
 - ☒ 3. $\frac{9389}{990}$
 - ☒ 4. $\frac{931}{99}$

Question ID : 26433080279
Status : Answered
Chosen Option : 3

Q.5 Annual production of four different types of cold drinks has been tabulated below. How much is the total percentage (approximate) increment in the production of cold drinks from 2020 to 2021?

Cold drink	2020 (units)	2021 (units)
Sprite	5400	5800
Coca-cola	5300	5600
Pepsi	6000	6800
Fanta	1800	2700

- Ans
- ☒ 1. 20 percent
 - ☒ 2. 50 percent
 - ☒ 3. 15 percent
 - ☒ 4. 13 percent

Question ID : 26433076020
Status : Answered
Chosen Option : 3

Q.6 A person's salary increased by 30% and then decreased by 20%. What is the net change in his/her salary?

- Ans
- ☒ 1. 4% increase
 - ☒ 2. 4% decrease
 - ☒ 3. 10% increase
 - ☒ 4. 10% decrease

Question ID : 26433092032
Status : Answered
Chosen Option : 1

Q.7 Two buses travel from one place to another at a speed of 36 km/h and 48 km/h, respectively. If one bus takes 3 hours less than the other bus, the distance between the two cities is _____.

- Ans ☒ 1. 432 km
☐ 2. 364 km
☐ 3. 423 km
☐ 4. 502 km

Question ID : 26433091930
Status : Answered
Chosen Option : 1

Q.8 The average cost of 15 items initially increases from ₹60 to ₹65 when three items G_1 , G_2 and G_3 mix with them. The costs of G_1 , G_2 and G_3 are in the ratio 3: 4: 2. The difference between the costs of G_1 and G_3 is:

- Ans ☐ 1. ₹120
☒ 2. ₹30
☐ 3. ₹90
☐ 4. ₹60

Question ID : 26433087345
Status : Answered
Chosen Option : 2

Q.9 A man goes 21 m due west and then 20 m due north. How far is he from the starting point?

- Ans ☒ 1. 29 m
☐ 2. 41 m
☐ 3. 32 m
☐ 4. 38 m

Question ID : 264330106942
Status : Answered
Chosen Option : 1

Q.10 Two numbers are in ratio 3 : 7. Their LCM is 189 and their HCF is 9. Find the numbers.

- Ans ☐ 1. 18, 42
☐ 2. 24, 56
☒ 3. 27, 63
☐ 4. 15, 35

Question ID : 26433091519
Status : Answered
Chosen Option : 3

Q.11 The following table shows the number of students of seven colleges participating in extra co-curricular activities.
Read the table and answer the question given.

College→ Extra Co-Curricular Activities ↓	A	B	C	D	E	F	G
I	150	250	450	50	350	250	150
II	50	150	150	50	50	50	50
III	100	50	400	125	100	500	150
IV	250	125	350	275	250	150	150

What is the total number of students taking part in activity III?

- Ans** ☒ 1. 1425
 ☐ 2. 1275
 ☐ 3. 1375
 ☐ 4. 1575

Question ID : 26433074230
Status : Answered
Chosen Option : 1

Q.12 In a right circular cone, the radius of its base is 9 cm and its height is 30 cm. A cross-section is made through the mid-point of the height parallel to the base. What will be the volume of the smaller portion?

- Ans** ☐ 1. 186.5 cm³
 ☐ 2. 112.5 cm³
 ☒ 3. 318.21 cm³
 ☐ 4. 172.5 cm³

Question ID : 26433076297
Status : Not Answered
Chosen Option : --

Q.13 If $s = \frac{a+b+c}{2}$, then the value of $s^2 + (s-a)^2 + (s-b)^2 + (s-c)^2$ is _____.

- Ans** ☒ 1. $a^2 + b^2 + c^2$
 ☐ 2. $a + b + c$
 ☐ 3. $2s - (a^2 + b^2 + c^2)$
 ☐ 4. $s^2 + a^2 + b^2 + c^2$

Question ID : 26433083083
Status : Answered
Chosen Option : 1

Q.14 A runs $\frac{4}{3}$ times as fast as B. In a linear race if A gives a lead of 60 m to B, then find the distance of their meeting point from the starting point.

- Ans** ☐ 1. 200 metres
 ☐ 2. 220 metres
 ☒ 3. 240 metres
 ☐ 4. 260 metres

Question ID : 26433082410
Status : Answered
Chosen Option : 3

Q.15 Amarjit Singh sells his water geyser for ₹15,400 and bears a 30% loss. At what price should he have sold it to gain 30%? Ans ☒ 1. ₹29,000 ☒ 2. ₹26,800 ☒ 3. ₹28,600 ☒ 4. ₹24,800	Question ID : 264330106917 Status : Answered Chosen Option : 3
Q.16 It takes A and B, 5 and 7 hours, respectively, to complete a certain work. They work on alternate hours and work is started by A. How long will it take them to complete the work? Ans ☒ 1. $\frac{27}{5}$ hours ☒ 2. $\frac{28}{5}$ hours ☒ 3. $\frac{29}{5}$ hours ☒ 4. $\frac{26}{5}$ hours	Question ID : 26433082619 Status : Answered Chosen Option : 3
Q.17 Find the HCF of $2^4 \times 3^7 \times 5 \times 7^3$, $2^3 \times 3^6 \times 5^4 \times 7$ and $2^2 \times 3^2 \times 5^2 \times 7^8$. Ans ☒ 1. 1260 ☒ 2. 1680 ☒ 3. 210 ☒ 4. 420	Question ID : 26433081466 Status : Not Answered Chosen Option : --
Q.18 A dealer keeps the price of goods 48% more on the cost price, and allows a discount of 20%. He offers further discount of 10% on the reduced price on cash payment. What is his percentage profit on the cash payment scheme? Ans ☒ 1. 6.86% ☒ 2. 7.28% ☒ 3. 8.86% ☒ 4. 6.56%	Question ID : 26433076398 Status : Answered Chosen Option : 2

Q.19 In how many years will Rs.2,500 amount to Rs.3,025 at 10% per annum compound interest, compounded annually? Ans ☒ 1. 4 ☒ 2. 1.5 ☒ 3. 3 ☒ 4. 2	Question ID : 26433064919 Status : Answered Chosen Option : 4
Q.20 The radius and height of a cylindrical storage tank are increased by 20% and 40%, respectively. What is the percentage (rounded off to the nearest integer) change in the volume of the tank? Ans ☒ 1. 102% ☒ 2. 96% ☒ 3. 88% ☒ 4. 112%	Question ID : 26433061886 Status : Answered Chosen Option : 3
Q.21 A works thrice as fast as B. If B can complete a work in 20 days, then the number of days in which A and B working together can finish the work is: Ans ☒ 1. 3 ☒ 2. 5 ☒ 3. 4 ☒ 4. 2	Question ID : 26433081605 Status : Answered Chosen Option : 2
Q.22 What is the fourth proportion to 216, 396 and 402? Ans ☒ 1. 594 ☒ 2. 737 ☒ 3. 603 ☒ 4. 726	Question ID : 264330106911 Status : Answered Chosen Option : 2
Q.23 The average weight of five men is increased by 5 kg, when one of them who weighs 140 kg is replaced by another man. What is the weight of the new man? Ans ☒ 1. 145 kg ☒ 2. 165 kg ☒ 3. 160 kg ☒ 4. 150 kg	Question ID : 26433065051 Status : Answered Chosen Option : 2

Q.24 The radius of a cone is 20 cm and its slant height is 36 cm. Its total surface area (in cm²) is:

(Take $\pi = \frac{22}{7}$.)

- Ans
- ☒ 1. 3270
 - ☒ 2. 3390
 - ☒ 3. 3480
 - ☒ 4. 3520

Question ID : 26433075994
Status : Not Answered
Chosen Option : --

Q.25 If $\triangle ABC \sim \triangle DEF$ such that $2AB = DE$ and $BC = 8$ cm, then the length of EF is _____.

- Ans
- ☒ 1. 16 cm
 - ☒ 2. 22 cm
 - ☒ 3. 18 cm
 - ☒ 4. 20 cm

Question ID : 264330106931
Status : Answered
Chosen Option : 1

Section : English Language & Comprehension

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

You should know / whose are / your friends / and foes.

- Ans
- ☒ 1. whose are
 - ☒ 2. You should know
 - ☒ 3. and foes
 - ☒ 4. your friends

Question ID : 26433061485
Status : Answered
Chosen Option : 1

Q.2 Select the option that expresses the given sentence in active voice.

Our team has been defeated.

- Ans
- ☒ 1. The opposition had been defeated by our team.
 - ☒ 2. The opposition defeated our team.
 - ☒ 3. Our team defeated the opposition.
 - ☒ 4. The opposition has defeated our team.

Question ID : 26433093192
Status : Answered
Chosen Option : 4

Q.3 Select the most appropriate meaning of the given idiom.
Have at one's finger tips

- Ans
- ☒ 1. A problem difficult to solve
 - ☒ 2. Including everyone or everything
 - ☒ 3. Without the desired result
 - ☒ 4. Easily or conveniently accessed

Question ID : 26433084690
Status : Answered
Chosen Option : 1

Q.4 Select the option that can be used as a one-word substitute for the given group of words.

One who lends money at very high rates of interest

- Ans
- ☒ 1. Investor
 - ☒ 2. Broker
 - ☒ 3. Usurer
 - ☒ 4. Capitalist

Question ID : 26433072551
Status : Answered
Chosen Option : 1

Q.5 Select the most appropriate collocation to fill in the blank.
I am _____ see you again.

- Ans
- ☒ 1. glad to
 - ☒ 2. happy in
 - ☒ 3. happy at
 - ☒ 4. generous to

Question ID : 26433055483
Status : Answered
Chosen Option : 1

Q.6 Select the option that can be used as a one-word substitute for the given group of words.

Past events presented in order of sequence

- Ans
- ☒ 1. Chronology
 - ☒ 2. Cosmology
 - ☒ 3. Anthropology
 - ☒ 4. Seismology

Question ID : 26433074034
Status : Answered
Chosen Option : 1

Q.7 Select the most appropriate ANTONYM for the underlined word from the given sentence.

Opacity

There was indefinite darkness in the room without any scope of transparency

- Ans
- ☒ 1. darkness
 - ☒ 2. transparency
 - ☒ 3. scope
 - ☒ 4. indefinite

Question ID : 264330102410
Status : Answered
Chosen Option : 2

Q.8 Choose the INCORRECTLY spelt word.

- Ans
- ☒ 1. Conspiracy
 - ☒ 2. Conspicuously
 - ☒ 3. Patriarchi
 - ☒ 4. Patriotic

Question ID : 26433084607
Status : Answered
Chosen Option : 2

Q.9 Select the most appropriate option to substitute the underlined segment in the given sentence.

The soldiers advanced when the bugle slept.

- Ans
- ☒ 1. when the bugle died
 - ☒ 2. when the bugle ran
 - ☒ 3. when the bugle flew
 - ☒ 4. when the bugle blew

Question ID : 26433088253
Status : Answered
Chosen Option : 3

Q.10 In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The wholesome and varied diet, the _____ short working week, and the _____ of infectious diseases have led many experts to define pre-agricultural _____ societies as 'the original _____ societies'.

- Ans
- ☒ 1. relationally, severity, dowager, impoverished
 - ☒ 2. relativity, density, manager, influential
 - ☒ 3. relatively, rarity, forager, affluent
 - ☒ 4. rhythmically, variety, mortgager, immaculate

Question ID : 264330106700
Status : Answered
Chosen Option : 3

Q.11 Select the option that contains a grammatical error in the underlined portion. An unicorn may be a mythical creature yet we tend to believe in it for the sake of our fancy. Ans ☒ 1. An unicorn may be a mythical creature <u>yet we tend to believe in it</u> for the sake of our fancy. ☒ 2. An unicorn may be a mythical creature yet we tend to believe in it <u>for the sake of our fancy</u>. ☒ 3. <u>An unicorn</u> may be a mythical creature yet we tend to believe in it for the sake of our fancy. ☒ 4. An unicorn <u>may be a mythical creature</u> yet we tend to believe in it for the sake of our fancy.	Question ID : 26433088603 Status : Answered Chosen Option : 1
Q.12 Select the option that expresses the given sentence in active voice. Immense fame was achieved by the dancer for her exquisite performances. Ans ☒ 1. Immense fame is achieved by the dancer for her exquisite performances. ☒ 2. The dancer achieved immense fame for her exquisite performances. ☒ 3. Her exquisite performances achieved immense fame. ☒ 4. The dancer's performances achieved immense fame.	Question ID : 26433088947 Status : Answered Chosen Option : 2
Q.13 Select the option that can be used as a one-word substitute for the given group of words/phrase. The killing of a group of people in a deliberate manner Ans ☒ 1. Homicide ☒ 2. Regicide ☒ 3. Genocide ☒ 4. Uxoricide	Question ID : 26433071940 Status : Answered Chosen Option : 3
Q.14 Select the most appropriate ANTONYM for the underlined word from the given sentence <u>Emancipate</u> Many leaders fought for the liberation and upliftment for the poor and the confined around the world. Ans ☒ 1. poverty ☒ 2. liberation ☒ 3. upliftment ☒ 4. confined	Question ID : 264330102412 Status : Answered Chosen Option : 4

Q.15 Select the most appropriate synonym of the given word. Prohibit Ans ☒ 1. Heed ☒ 2. Default ☒ 3. Permit ☒ 4. Prevent	Question ID : 26433073438 Status : Answered Chosen Option : 2
Q.16 Select the INCORRECTLY spelt word. Ans ☒ 1. Glamorous ☒ 2. Guarantee ☒ 3. Grammer ☒ 4. Gradual	Question ID : 26433088417 Status : Answered Chosen Option : 2
Q.17 Select the most appropriate synonym of the given word. Insightful Ans ☒ 1. Unaware ☒ 2. Quiet ☒ 3. Clear ☒ 4. Prudent	Question ID : 26433089714 Status : Answered Chosen Option : 1
Q.18 Select the option that can be used as a one-word substitute for the underlined group of words. They have put me in a <u>very complex situation</u>. Ans ☒ 1. Thearchy ☒ 2. Conflict ☒ 3. Kennel ☒ 4. Imbroglio	Question ID : 26433088618 Status : Answered Chosen Option : 3
Q.19 Select the most appropriate meaning of the given idiom. Done up Ans ☒ 1. Exhausted ☒ 2. Failed ☒ 3. Ruined ☒ 4. Complete	Question ID : 26433086331 Status : Answered Chosen Option : 1

Q.20 Select the most appropriate synonym of the given word.

Hamper

- Ans ☒ 1. Encourage
☒ 2. Curb
☒ 3. Snatch
☒ 4. Desist

Question ID : 26433073436
Status : Answered
Chosen Option : 4

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
People moan about poverty as a great evil and it seems to be an accepted belief that if people only had 1_____ of money, they would be happy and useful and get more out of life. As a rule, there is more 2_____ satisfaction in life and more obtained from life in the humble cottage of the poor man than in the places of the rich. I always pity the sons and daughters of rich men who are 3_____ by servants and have governesses at a later age; at the same time, I am glad to think that they do not know what they have missed. It is because I know how sweet, happy and pure the home of honest poverty is! How free from perplexing care and from social envies and jealousies! If you will read the list of the 'immortals who were not 4_____ to die', you will find that 5_____ of them have been born poor.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank number 1.

- Ans ☒ 1. less
☒ 2. great
☒ 3. happy
☒ 4. plenty

Question ID : 264330101426
Status : Answered
Chosen Option : 1

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
People moan about poverty as a great evil and it seems to be an accepted belief that if people only had 1_____ of money, they would be happy and useful and get more out of life. As a rule, there is more 2_____ satisfaction in life and more obtained from life in the humble cottage of the poor man than in the places of the rich. I always pity the sons and daughters of rich men who are 3_____ by servants and have governesses at a later age; at the same time, I am glad to think that they do not know what they have missed. It is because I know how sweet, happy and pure the home of honest poverty is! How free from perplexing care and from social envies and jealousies! If you will read the list of the 'immortals who were not 4_____ to die', you will find that 5_____ of them have been born poor.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank number 2.

- Ans ☒ 1. heavy
☒ 2. fake
☒ 3. bright
☒ 4. genuine

Question ID : 264330101427
Status : Answered
Chosen Option : 4

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
People moan about poverty as a great evil and it seems to be an accepted belief that if people only had 1_____ of money, they would be happy and useful and get more out of life. As a rule, there is more 2_____ satisfaction in life and more obtained from life in the humble cottage of the poor man than in the places of the rich. I always pity the sons and daughters of rich men who are 3_____ by servants and have governesses at a later age; at the same time, I am glad to think that they do not know what they have missed. It is because I know how sweet, happy and pure the home of honest poverty is! How free from perplexing care and from social envies and jealousies! If you will read the list of the 'immortals who were not 4_____ to die', you will find that 5_____ of them have been born poor.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank number 3.

- Ans ☒ 1. grouped
☒ 2. attended
☒ 3. commanded
☒ 4. demanded

Question ID : 264330101428
Status : Answered
Chosen Option : 3

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
People moan about poverty as a great evil and it seems to be an accepted belief that if people only had 1_____ of money, they would be happy and useful and get more out of life. As a rule, there is more 2_____ satisfaction in life and more obtained from life in the humble cottage of the poor man than in the places of the rich. I always pity the sons and daughters of rich men who are 3_____ by servants and have governesses at a later age; at the same time, I am glad to think that they do not know what they have missed. It is because I know how sweet, happy and pure the home of honest poverty is! How free from perplexing care and from social envies and jealousies! If you will read the list of the 'immortals who were not 4_____ to die', you will find that 5_____ of them have been born poor.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank number 4.

- Ans ☒ 1. developed
☒ 2. born
☒ 3. styled
☒ 4. shaped

Question ID : 264330101429
Status : Answered
Chosen Option : 2

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
People moan about poverty as a great evil and it seems to be an accepted belief that if people only had 1_____ of money, they would be happy and useful and get more out of life. As a rule, there is more 2_____ satisfaction in life and more obtained from life in the humble cottage of the poor man than in the places of the rich. I always pity the sons and daughters of rich men who are 3_____ by servants and have governesses at a later age; at the same time, I am glad to think that they do not know what they have missed. It is because I know how sweet, happy and pure the home of honest poverty is! How free from perplexing care and from social envies and jealousies! If you will read the list of the 'immortals who were not 4_____ to die', you will find that 5_____ of them have been born poor.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank number 5.

- Ans ☒ 1. best
☒ 2. least
☒ 3. most
☒ 4. more

Question ID : 264330101430
Status : Answered
Chosen Option : 3

Section : General Awareness

Q.1 In September 2021, the Cabinet Committee on Economic Affairs (CCEA), chaired by the Hon'ble Prime Minister approved the continuation of the 'National Scheme for PM POSHAN in Schools' for a period of _____ years.

- Ans ☒ 1. 3
☒ 2. 5
☒ 3. 6
☒ 4. 7

Question ID : 26433082831
Status : Answered
Chosen Option : 3

Q.2 Atal Pension Yojana (APY) is open to all saving bank / post office saving bank account holders in the age group of _____ years.

- Ans ☒ 1. 18 to 50
☒ 2. 18 to 45
☒ 3. 18 to 40
☒ 4. 18 to 35

Question ID : 26433064559
Status : Answered
Chosen Option : 1

Q.3 Which of the following is called as Shungabhrityas in the Puranas?

- Ans ☒ 1. Satavahanas
☒ 2. Kanvas
☒ 3. Kushanas
☒ 4. Shakas

Question ID : 264330106833
Status : Answered
Chosen Option : 3

Q.4 Samagra Awaas Yojana is a comprehensive housing scheme launched with a view to ensuring integrated provision of shelter, _____ and _____.

- Ans
- ☒ 1. sanitation, environment
 - ☒ 2. sanitation, drinking water
 - ☒ 3. electricity, road connectivity
 - ☒ 4. drinking water, road connectivity

Question ID : 26433064562
Status : Answered
Chosen Option : 4

Q.5 What is the target growth rate in tenth five years plan?

- Ans
- ☒ 1. 7%
 - ☒ 2. 10%
 - ☒ 3. 8%
 - ☒ 4. 9%

Question ID : 26433064516
Status : Answered
Chosen Option : 1

Q.6 In January 2022, Xiomara Castro became the first female president of _____.

- Ans
- ☒ 1. Ukraine
 - ☒ 2. Hungary
 - ☒ 3. Honduras
 - ☒ 4. Poland

Question ID : 26433082811
Status : Answered
Chosen Option : 2

Q.7 In March 2022, which Indian woman cricketer became the first woman, and only the third cricketer ever, to appear at six ICC Women's Cricket World Cups?

- Ans
- ☒ 1. Priya Punia
 - ☒ 2. Smriti Mandhana
 - ☒ 3. Harmanpreet Kaur
 - ☒ 4. Mithali Raj

Question ID : 26433069828
Status : Answered
Chosen Option : 2

Q.8 Gol Gumbaz in Karnataka is a tomb of which ruler?

- Ans
- ☒ 1. Devaraya II
 - ☒ 2. Muhammad Shah I
 - ☒ 3. Aurungzeb
 - ☒ 4. Adil Shah

Question ID : 26433066570
Status : Answered
Chosen Option : 3

Q.9 Which of the following taxes represented one-fifth of the booty acquired in war or mine or treasure trove (found) to be handed over to the state?

- Ans ☒ 1. Khams
☒ 2. Zakat
☒ 3. Kharaj
☒ 4. Jizya

Question ID : 264330106828
Status : Answered
Chosen Option : 3

Q.10 Which of the following Acts was the precursor to the federal form of the Constitution of India?

- Ans ☒ 1. The Government India Act, 1947
☒ 2. The Government India Act, 1935
☒ 3. The Government India Act, 1919
☒ 4. The Government India Act, 1909

Question ID : 264330106843
Status : Answered
Chosen Option : 1

Q.11 Select the INCORRECT statement regarding 'Ayushman Bharat Digital Mission'.

- Ans ☒ 1. The project is being implemented in the pilot phase in 12 states.
☒ 2. Ayushman Bharat Digital Mission was virtually launched on 27 September 2021.
☒ 3. Under Ayushman Bharat Digital Mission every citizen will get a digital health identity card.
☒ 4. Ayushman Bharat Digital Mission will create a health professional registry and healthcare facility registry.

Question ID : 264330106725
Status : Answered
Chosen Option : 4

Q.12 Who was the first scientist to consider the idea of trends among the properties of elements?

- Ans ☒ 1. Lothar Meyer
☒ 2. Johann Dobereiner
☒ 3. Dmitri Mendeleev
☒ 4. John Alexander Newlands

Question ID : 264330106760
Status : Answered
Chosen Option : 1

Q.13 Who was declared the Player of the Match of the ICC Under 19 World Cup 2022 Final between India and England?

- Ans ☒ 1. Yash Dhull
☒ 2. Angkrish Raghuvanshi
☒ 3. Raj Angad Bawa
☒ 4. Kaushal Tambe

Question ID : 26433081830
Status : Answered
Chosen Option : 2

Q.14 How much total weight was lifted by Saikhom Mirabai Chanu, the first Indian weightlifter to win silver at the Olympics? Ans ☒ 1. 202 kg ☐ 2. 204 kg ☐ 3. 201 kg ☐ 4. 198 kg	Question ID : 264330106737 Status : Answered Chosen Option : 4
Q.15 Who made the first reliable measurement on properties of gases? Ans ☐ 1. Joseph Louis Gay-Lussac ☒ 2. Robert Boyle ☐ 3. Albert Einstein ☐ 4. Jacques Charles	Question ID : 264330106752 Status : Answered Chosen Option : 1
Q.16 Bandhan Financial Services, a microlender based out of Kolkata, was granted in-principle approval by RBI in _____ to start a universal bank. Ans ☐ 1. 2004 ☒ 2. 2014 ☐ 3. 2009 ☐ 4. 2019	Question ID : 264330106778 Status : Answered Chosen Option : 1
Q.17 Who won the Maulana Abul Kalam Azad (MAKA) Trophy in 2021? Ans ☐ 1. Kurukshetra University ☐ 2. Bombay University ☒ 3. Panjab University ☐ 4. Delhi University	Question ID : 26433069837 Status : Answered Chosen Option : 3
Q.18 Prateeksha Kashi is an exponent of which of the following Indian classical dance forms? Ans ☒ 1. Kuchipudi ☐ 2. Kathakali ☐ 3. Kathak ☐ 4. Bharatanatyam	Question ID : 26433064663 Status : Answered Chosen Option : 1

SSC Scientific Assistant (IMD) Study Kit



- 100% Paper-1 & Paper-2 Syllabus Covered
- Covered with Home assignment MCQs
- 1 year Current Affairs (PDF Copy)
- 5 Paper-1 Mock Practice Tests (PDF Copy)
- SSC Current Affairs Magazine (PDF Copy)

**SPECIAL
OFFER**

✓ 100%
SAFE

**50%
OFF**

SSC IMD PDF NOTES

100% Syllabus Covered



CLICK HERE

CLICK BELOW LINK TO DOWNLOAD PDF NOTES

<https://sscportal.in/study-kit/scientific-assistant>

<https://sscportal.in/study-kit>

Q.19 Which Article of the Indian Constitution includes the Right to Freedom of Speech and Expression? Ans ☒ 1. Article 14 ☒ 2. Article 19 ☒ 3. Article 25 ☒ 4. Article 32	Question ID : 264330106863 Status : Answered Chosen Option : 2
Q.20 In which part of the Constitution of India is the amendment procedure consisting of simple as well as special majority mentioned? Ans ☒ 1. Part XXI ☒ 2. Part XIX ☒ 3. Part XXII ☒ 4. Part XX	Question ID : 264330106855 Status : Answered Chosen Option : 2
Q.21 Which of the following is a seaport of Goa? Ans ☒ 1. Mangalore ☒ 2. Mormugao ☒ 3. Mumbai ☒ 4. Kochi	Question ID : 26433097119 Status : Answered Chosen Option : 2
Q.22 After the death of Babur, Humayun divided his empire into _____ parts. Ans ☒ 1. two ☒ 2. six ☒ 3. four ☒ 4. five	Question ID : 264330106825 Status : Answered Chosen Option : 1
Q.23 India had two _____ five year plans. Practically _____ formulated one in 1978-83 and the _____ formulated another one in 1980-85. Ans ☒ 1. 5th; Government led by Indian National Congress party; Government led by Janata Party ☒ 2. 6th; Government led by Janata Party; government led by Congress party ☒ 3. 5th; Government led by Janata Party; Government led by Indian National Congress party ☒ 4. 6th; Government led by Indian National Congress party; Government led by Janata Party	Question ID : 264330106785 Status : Answered Chosen Option : 4

Q.24

What percentage of population in India was below the national poverty line in 2011-2012?

Ans

✓

1. 21.9%

✗

2. 22.9%

✗

3. 12.9%

✗

4. 29.9%

Question ID : 264330106803

Status : Answered

Chosen Option : 2

Q.25

The Rann Utsav is an annual festival observed in which of the following places in Gujarat?

Ans

✗

1. Ahmedabad

✗

2. Surat

✗

3. Vadodara

✓

4. Dhordo

Question ID : 26433086723

Status : Answered

Chosen Option : 1

Section : Computer Science & Information Technology

Q.1

Computers are electronic machine that operates on _____.

Ans

✗

1. human language

✗

2. alphanumeric digit

✗

3. decimal codes

✓

4. binary digits

Question ID : 264330107555

Status : Answered

Chosen Option : 4

Q.2

Which of the following is NOT a primary visual variable of a map?

Ans

✗

1. Size

✗

2. Shape

✓

3. Arrangement

✗

4. Value

Question ID : 264330107633

Status : Answered

Chosen Option : 4

Q.3 _____ is a subfield of mathematics that is applied in GIS to ensure that the spatial relationships between features are expressed explicitly.

- Ans
- ☐ 1. Segmentation
 - ☐ 2. Geodatabase
 - ☐ 3. Modeling
 - ☒ 4. Topology

Question ID : 264330107847
Status : Answered
Chosen Option : 3

Q.4 What is the output of following C language code?

```
int main()
{
    int a=10,b,c;

    c=b=a;

    c*=b*=a*a;

    printf("a=%d b=%d c=%d",a,b,c);

    return 0;
}
```

- Ans
- ☐ 1. a=100 b=1000 c=10000
 - ☒ 2. a=10 b=1000 c=10000
 - ☐ 3. a=10 b=100 c=1000
 - ☐ 4. a=0 b=10 c=100

Question ID : 264330107801
Status : Answered
Chosen Option : 4

Q.5 _____ can be defined as the dominant wavelength of light making up a colour.

- Ans
- ☐ 1. Value
 - ☒ 2. Hue
 - ☐ 3. Chroma
 - ☐ 4. Wave

Question ID : 264330107637
Status : Answered
Chosen Option : 2

Q.6 What is the output of following C programming language code?

```
void main()
{
    int x=10;

    if(!x)

        printf("x=%d",x);

}
```

- Ans
- ☐ 1. x=1
 - ☐ 2. x=0
 - ☐ 3. error
 - ☒ 4. x=10

Question ID : 264330107604
Status : Answered
Chosen Option : 4

Q.7 In Structured Query Language, which one is NOT a Data Manipulation Language Statement?

- Ans
- ☐ 1. UPDATE
 - ☐ 2. INSERT
 - ☒ 3. SAVEPOINT
 - ☐ 4. DELETE

Question ID : 264330107615
Status : Answered
Chosen Option : 3

Q.8 What is the scale used in the million map of SOI topographical maps?

- Ans
- ☐ 1. 1 : 250000
 - ☐ 2. 1 : 50000
 - ☒ 3. 1 : 1000000
 - ☐ 4. 1 : 25000

Question ID : 264330107933
Status : Answered
Chosen Option : 3

Q.9 In the Relational Database Management System, used terminology used for 'Number of rows' is _____.

- Ans
- ☒ 1. Domain
 - ☒ 2. Cardinality
 - ☒ 3. Relation
 - ☒ 4. Degree

Question ID : 264330107910
Status : Answered
Chosen Option : 4

Q.10 What is the output of following C programming language code?

```
int main()
{
    int a= 10, b=4, c, d;

    c=a<9;

    d=a>3&&b!=3;

    printf("c=%d d=%d", c, d);

    return 0;
}
```

- Ans
- ☒ 1. c=0 d=0
 - ☒ 2. c=1 d=0
 - ☒ 3. c=1 d=1
 - ☒ 4. c=0 d=1

Question ID : 264330107600
Status : Answered
Chosen Option : 3

Q.11 A Hexadecimal number system uses _____.

- Ans
- ☒ 1. Alphanumeric digits (0-9 & A-F)
 - ☒ 2. Only 0-7 digits
 - ☒ 3. Only 0-9 digits
 - ☒ 4. Only Alphabets A-F

Question ID : 264330107655
Status : Answered
Chosen Option : 4

Q.12 What is the contour interval used in the degree map of SOI topographical maps? Ans ✖ 1. 20 m ✖ 2. 50 m ✖ 3. 10 m ✔ 4. 100 m Question ID : 264330107733 Status : Answered Chosen Option : 2
Q.13 Which of the following is not correct about Java language? Ans ✖ 1. It has mechanism to define classes and objects. ✖ 2. Java is an object-oriented language. ✔ 3. Java contains the data types struct and union. ✖ 4. Java does not include the C unique statement keyword sizeof, and typedef. Question ID : 264330107791 Status : Answered Chosen Option : 3
Q.14 Which of following are predicates that define correct database states in database management systems? Ans ✔ 1. Constraints ✖ 2. Data ✖ 3. Relationships ✖ 4. Schema Question ID : 264330107709 Status : Answered Chosen Option : 3
Q.15 Which of the following is the Operator in the Assembly language? Ans ✖ 1. JNGE ✖ 2. EIS ✖ 3. POP ✔ 4. NOTHING Question ID : 264330107894 Status : Answered Chosen Option : 2
Q.16 Which of the following is the instruction in the assembly language? Ans ✖ 1. .DATA ✖ 2. BYTE ✖ 3. CON ✔ 4. JA Question ID : 264330107793 Status : Answered Chosen Option : 2

Q.17 What does the following symbol use on SOI topographical maps represent?



- Ans
- ☒ 1. Hospital
 - ☒ 2. Deserted village or town
 - ☒ 3. Temple
 - ☒ 4. Church

Question ID : 264330107739
Status : Answered
Chosen Option : 2

Q.18 In relational data base, if a table has more than one candidate key, then one of them is called primary key and all the other candidate key are known as _____.

- Ans
- ☒ 1. Simple key
 - ☒ 2. Foreign key
 - ☒ 3. Alternate key
 - ☒ 4. Candidate key

Question ID : 264330107514
Status : Answered
Chosen Option : 2

Q.19 Which of the following is the operator used in the Assembly language?

- Ans
- ☒ 1. JNAE
 - ☒ 2. AND
 - ☒ 3. IRET
 - ☒ 4. JNBE

Question ID : 264330107695
Status : Answered
Chosen Option : 3

Q.20 Web browser is used in which layer of Open System Interconnection model?

- Ans
- ☒ 1. Application layer
 - ☒ 2. Physical layer
 - ☒ 3. Presentation layer
 - ☒ 4. Session layer

Question ID : 264330107521
Status : Answered
Chosen Option : 1

Q.21 In hard disk, the number of cylinders of a disk drive is equal to the number of _____ on a single platter of a disk.

- Ans**
- ☒ 1. read/write head
 - ☒ 2. arms
 - ☒ 3. tracks
 - ☒ 4. motors

Question ID : **264330107759**
Status : **Answered**
Chosen Option : **2**

Q.22 Which operator is invalid in the following statement in the C language code?

`a=4**5-8+5%7;`

- Ans**
- ☒ 1. +
 - ☒ 2. **
 - ☒ 3. -
 - ☒ 4. %

Question ID : **264330107491**
Status : **Answered**
Chosen Option : **4**

Q.23 What is the output of following Java programming language code?

```
public class Main
{
    public static void main(String[] args) {
        int c = 1;
        while (c <= 5) {
            System.out.println(c % 4 == 1 ? "--" : "@@@@");
            ++c;
        }
    }
}
```

Ans

-
- @@@@
- ✗ 1. @@@@
-
- @@@@
- @@@@
- @@@@
- ✗ 2. @@@@
-
-
-
- @@@@
- ✓ 3. @@@@
- @@@@
-

@@@@

@@@@

✗ 4. @@@@

--

--

Question ID : 264330107605
Status : Answered
Chosen Option : 3

Q.24 Which among of the following is NOT the type of computer network?

- Ans
- ✗ 1. Local Area Network
 - ✓ 2. Transmission Area Network
 - ✗ 3. Wide Area Network
 - ✗ 4. Metropolitan Area Network

Question ID : 264330107620
Status : Answered
Chosen Option : 4

Q.25 Which are the two separate modes of operating system?

- Ans
- ✗ 1. Supervisor mode and User mode
 - ✗ 2. Physical mode and privileged mode
 - ✗ 3. Kernel mode and logical mode
 - ✓ 4. User mode and kernel mode

Question ID : 264330107481
Status : Answered
Chosen Option : 2

Q.26 In Operating System, Which of the following statement is TRUE about base register and limit register, which are used to determine the range of legal addresses that the process may access?

- I. Base register holds the largest legal physical memory address.
- II. Limit register specifies the size of the range.

- Ans
- ✗ 1. Neither I nor II
 - ✓ 2. Only II
 - ✗ 3. Both I and II
 - ✗ 4. Only I

Question ID : 264330107686
Status : Answered
Chosen Option : 3

Q.27 In Database Management System, who is responsible for overall control of the system at the technical level? Ans ☒ 1. Office Administrator ☒ 2. Technical Officer ☒ 3. Database Technician ☒ 4. Database Administrator	Question ID : 264330107915 Status : Answered Chosen Option : 2
Q.28 In MULTICS operating system, the protection domains are organized hierarchically into a _____ structure. Ans ☒ 1. star ☒ 2. ring ☒ 3. tree ☒ 4. bus	Question ID : 264330107875 Status : Answered Chosen Option : 2
Q.29 Which type of number representation in the computer has ‘Mantissa’ term? Ans ☒ 1. Floating point number ☒ 2. Signed integer number ☒ 3. Integer number ☒ 4. Fixed point number	Question ID : 264330107456 Status : Answered Chosen Option : 3
Q.30 Which of the following is the software object of the computer system? Ans ☒ 1. Semaphores ☒ 2. Memory ☒ 3. Printer ☒ 4. Central Processing Unit	Question ID : 264330107572 Status : Answered Chosen Option : 4

Q.31 An advantage of Ring topology used in computer network is _____.

- Ans**
- ☒ 1. When one node fails, it does not affect entire network
 - ☒ 2. Easy to detect fault or problem when network fails
 - ☒ 3. Can span over larger distances
 - ☒ 4. New nodes can be connected easily

Question ID : 264330107625
Status : Answered
Chosen Option : 1

Q.32 In the memory management of operating system, there are various strategies are used to find a suitable hole for a segment allocation request. Which of the following are the strategies?

- I. First Fit
- II. Worst Fit
- III. Quick Fit
- IV. Best Fit

- Ans**
- ☒ 1. I, II and III
 - ☒ 2. II, III and IV
 - ☒ 3. I, III and IV
 - ☒ 4. I, II and IV

Question ID : 264330107587
Status : Answered
Chosen Option : 3

Q.33 Which of the following set of layers of Open System Interconnection model used for computer network, implement using both hardware and software?

- Ans**
- ☒ 1. layers 5,3,1
 - ☒ 2. layers 6,5
 - ☒ 3. layers 4,3,2
 - ☒ 4. layers 7,6,5

Question ID : 264330107626
Status : Answered
Chosen Option : 3

Q.34 An automated tape library (it allows you to use system managed storage for mountable tape cartridges), is also named as _____ in computer memory.

- Ans**
- ☒ 1. Robotic drive
 - ☒ 2. Optical jukebox
 - ☒ 3. Optical disk library
 - ☒ 4. Tape jukebox

Question ID : 264330107865
Status : Answered
Chosen Option : 2

Q.35 Which among the following coordinates all activities of the database system?

- Ans ☒ 1. Database Administrator
☐ 2. Data Dictionary
☐ 3. Database schema
☐ 4. Database language

Question ID : 264330107717
Status : Answered
Chosen Option : 1

Q.36 Which of the following combination of operator used in JAVA language and its operation is correct?

- Ans ☒ 1. $x^=y$: NOT assignment
☐ 2. $>>$: Left shift
☐ 3. $>>>$: Zero fill left shift
☐ 4. $<<$: Right shift

Question ID : 264330107692
Status : Answered
Chosen Option : 3

Q.37 In computer system, the devices communicates with the machine via a connection point and that point is known as _____.

- Ans ☐ 1. memory
☐ 2. controller
☒ 3. port
☐ 4. bus

Question ID : 264330107471
Status : Answered
Chosen Option : 3

Q.38 Match the following terms related to Geographic co-ordinate system with its meaning.

	Terms		Meaning
I	Latitude	1	Measures the angle east or west from the prime meridian
II	Longitude	2	Lines of equal longitude
III	Meridians	3	Measures the angle north or south of equatorial plane

- Ans ☐ 1. I-1, II-2, III-3
☐ 2. I-2, II-1, III-3
☒ 3. I-3, II-1, III-2
☐ 4. I-2, II-3, III-1

Question ID : 264330107747
Status : Answered
Chosen Option : 2

Q.39 _____ interpolation predicts a value at the point location that is the same as its known value. Ans ☒ 1. Exact ☐ 2. Inexact ☐ 3. Deterministic ☐ 4. Stochastic	Question ID : 264330107831 Status : Answered Chosen Option : 4
Q.40 The shape of the earth is a spheroid is also known as _____. Ans ☐ 1. oval ☐ 2. sphere ☐ 3. circular ☒ 4. ellipsoid	Question ID : 264330107642 Status : Answered Chosen Option : 1
Q.41 In completely connected network, if there are n nodes, then _____ physical links (cables) are required. Ans ☐ 1. $n(n + 1)/2$ ☐ 2. $n + 2$ ☐ 3. n ☒ 4. $n(n - 1)/2$	Question ID : 264330107723 Status : Answered Chosen Option : 2
Q.42 Which among the following is an encoding technique used on IBM mainframe operating system? Ans ☐ 1. Binary-Coded Decimal ☐ 2. American Standard Code for Information Interchange ☐ 3. Unicode ☒ 4. Extended Binary Coded Decimal Interchange Code	Question ID : 264330107861 Status : Answered Chosen Option : 4
Q.43 Which of the following is used as instruction in the IBM PC assembly language? Ans ☐ 1. THIS ☒ 2. CLC ☐ 3. AL ☐ 4. ALIGN	Question ID : 264330107694 Status : Answered Chosen Option : 4

Q.44 What does the following symbol used on SOI topographical maps represent?



- Ans
- ☐ 1. Railway broad gauge single
 - ☐ 2. Railway other gauge double
 - ☒ 3. Railway broad gauge double
 - ☐ 4. Railway other gauge single

Question ID : 264330107638
Status : Answered
Chosen Option : 1

Q.45 In Operating System, a process should be allowed to access only those resources for which it has authorization. Furthermore, at any time a process should be able to access only those resources that it currently requires to complete its task. This second requirement is known as _____.

- Ans
- ☐ 1. know to need principle
 - ☐ 2. right to access principle
 - ☐ 3. privilege principle
 - ☒ 4. need to know principle

Question ID : 264330107673
Status : Answered
Chosen Option : 2

Q.46 The smallest unit of data or information which computer understands is _____.

- Ans
- ☐ 1. Digit
 - ☒ 2. Bit
 - ☐ 3. Nibble
 - ☐ 4. Byte

Question ID : 264330107452
Status : Answered
Chosen Option : 2

Q.47 Binary Code Decimal number system used in computer system is a very simple technique used for _____.

- Ans
- ☐ 1. Encoding Binary Numbers
 - ☒ 2. Encoding Decimal Numbers
 - ☐ 3. Encoding Hexadecimal Numbers
 - ☐ 4. Encoding Octal Numbers

Question ID : 264330107557
Status : Answered
Chosen Option : 1

Q.48 What is the output of following C language code?

```
int main()
{
    int x;

    x=4*4%5;

    printf(" %d ",x);

    return 0;
}
```

- Ans
- ☒ 1. 16
 - ☒ 2. 0.2
 - ☒ 3. 1
 - ☒ 4. 3

Question ID : 264330107499
Status : Answered
Chosen Option : 3

Q.49 In binary number system, after performing the subtraction of $(1011)_2$ and $(1001)_2$, the value is _____.

- Ans
- ☒ 1. $(0101)_2$
 - ☒ 2. $(0001)_2$
 - ☒ 3. $(0010)_2$
 - ☒ 4. $(1011)_2$

Question ID : 264330107762
Status : Answered
Chosen Option : 2

Q.50 In computer networking, Multi-access _____ network is that in which all nodes are connected to a single communication line.

- Ans
- ☒ 1. Mesh
 - ☒ 2. Ring
 - ☒ 3. Star
 - ☒ 4. Bus

Question ID : 264330107525
Status : Answered
Chosen Option : 4

Q.51 Which of the following is an example of Real – time operating system?

- Ans**
- ☒ 1. Linux operating system
 - ☐ 2. Lynx operating system
 - ☒ 3. MS – DOS operating system
 - ☒ 4. UNIX operating system

Question ID : 264330107779
Status : Answered
Chosen Option : 1

Q.52 In Operating system, repositioning with in a file need not involve any actual Input/Output. This file operation is also known as file _____.

- Ans**
- ☒ 1. locating
 - ☒ 2. Positioning
 - ☒ 3. Finding
 - ☐ 4. seek

Question ID : 264330107771
Status : Answered
Chosen Option : 4

Q.53 In computer memory, static random access memory is made up of _____.

- Ans**
- ☒ 1. Memory cards
 - ☐ 2. Flip-flops
 - ☒ 3. Capacitors
 - ☒ 4. Only one transistors

Question ID : 264330107651
Status : Answered
Chosen Option : 4

Q.54 Which among the following is the device that regenerates incoming electrical, wireless or optical signals in computer networking?

- Ans**
- ☒ 1. Router
 - ☒ 2. Modem
 - ☒ 3. Hub
 - ☐ 4. Repeater

Question ID : 264330107918
Status : Answered
Chosen Option : 1

Q.55 In operating system, a program in execution is known as _____.

- Ans
- ☐ 1. job
 - ☐ 2. task
 - ☒ 3. process
 - ☐ 4. scheduling

Question ID : 264330107778
Status : Answered
Chosen Option : 2

Q.56 What is the output of following C language code?

```
int main()
{
    union {
        int x;
        float y;

    }a;
    printf("%ld", sizeof(a));
}
```

- Ans
- ☐ 1. 2
 - ☐ 2. 5
 - ☐ 3. 3
 - ☒ 4. 4

Question ID : 264330107903
Status : Answered
Chosen Option : 1

Q.57 In computer system, the central processing unit has a built-in memory. Which level of cache memory it is?

- Ans
- ☐ 1. Level-2 cache
 - ☐ 2. Only level-1 cache
 - ☒ 3. Level-1 cache and level-2 cache
 - ☐ 4. Level-3 cache

Question ID : 264330107462
Status : Answered
Chosen Option : 3

Q.58 What does the following symbol used on SOI topographical maps represent?

PO

- Ans
- ☒ 1. Hospital
 - ☒ 2. Post Office
 - ☒ 3. Police Station
 - ☒ 4. School

Question ID : 264330107639
Status : Answered
Chosen Option : 2

Q.59 In structured query language, which transaction control statement is used to save changes made by a transaction to the database?

- Ans
- ☒ 1. COMMIT
 - ☒ 2. CALL
 - ☒ 3. ROLL BACK
 - ☒ 4. DROP

Question ID : 264330107517
Status : Answered
Chosen Option : 3

Q.60 What is the output of following Java program code?

```
public class Main
{
    public static void main(String[] args) {
        String str1 = "xyz";
        String str2 = "the";
        String str3 = "abc";
        System.out.println(str1.concat((str2.concat(str2))));
    }
}
```

- Ans
- ☒ 1. abcthexyz
 - ☒ 2. xyzthethe
 - ☒ 3. thexyzthe
 - ☒ 4. xyztheabc

Question ID : 264330107507
Status : Answered
Chosen Option : 2

Q.61 Name the mathematical model of the Earth, which serves as the reference or base for calculating the geographic coordinates of a location.

- Ans**
- ☒ 1. datum
 - ☐ 2. earth science
 - ☐ 3. globe
 - ☐ 4. geoid

Question ID : 264330107942
Status : Answered
Chosen Option : 3

Q.62 In Data Base Management System, A 'quaternary' relationship exists when _____.

- Ans**
- ☐ 1. More than four entities associate
 - ☐ 2. Two entities associated
 - ☒ 3. Four entities associate
 - ☐ 4. Only one entity associate

Question ID : 264330107511
Status : Answered
Chosen Option : 3

Q.63 In Open System interconnection model, which of the following set of layers implement only using software?

- Ans**
- ☐ 1. layers 6, 3, 2, 1
 - ☒ 2. layers 7, 6, 5
 - ☐ 3. layers 5, 2, 1
 - ☐ 4. layers 4, 3, 2

Question ID : 264330107727
Status : Answered
Chosen Option : 2

Q.64 In UNIX operating system, an owner identification and domain bit are associated with each file are known as _____.

- Ans**
- ☐ 1. getuid
 - ☐ 2. fileuid
 - ☐ 3. domainuid
 - ☒ 4. setuid

Question ID : 264330107772
Status : Answered
Chosen Option : 3

Q.65 What is the output of following Java language code?

```
public class Main
{
    public static void main(String[] args){
        String str1 = "Examination".replace('x','s');
        System.out.println(str1);
    }
}
```

- Ans
- ✓ 1. Esamination
 - ✗ 2. Examination
 - ✗ 3. No output
 - ✗ 4. Error

Question ID : 264330107897
Status : Answered
Chosen Option : 2

Q.66 Which of the following statement is true about Raster data model of GIS?

- I. It uses grid
- II. It uses simple data structure with rows and columns

- Ans
- ✗ 1. Only II
 - ✗ 2. Both I and II
 - ✗ 3. Neither I nor II
 - ✓ 4. Only I

Question ID : 264330107644
Status : Answered
Chosen Option : 2

Q.67 Match the following decimal number to its equivalent in another number system.

Decimal number		Conversion	
I	4	1	(0101) _{Gray}
II	5	2	(0110) _{Gray}
III	6	3	(0101) ₂
IV	8	4	(1000) ₂

- Ans
- ✗ 1. I-4, II-3, III-1, IV-2
 - ✓ 2. I-2, II-3, III-1, IV-4
 - ✗ 3. I-3, II-1, III-2, IV-4
 - ✗ 4. I-1, II-3, III-2, IV-4

Question ID : 264330107464
Status : Answered
Chosen Option : 3

Q.68 Convert decimal number $(68)_{10}$ into Binary coded decimal Code.

- Ans
- ☐ 1. $(0000\ 0110\ 0000\ 1000)_{BCD}$
 - ☐ 2. $(1100\ 1110)_{BCD}$
 - ☐ 3. $(1111\ 0110\ 1111\ 1001)_{BCD}$
 - ☒ 4. $(0110\ 1000)_{BCD}$

Question ID : 264330107560
Status : Answered
Chosen Option : 3

Q.69 Which of the following is NOT a physiographic Information of a topographical map?

- Ans
- ☐ 1. Vegetation
 - ☐ 2. Relief
 - ☐ 3. Drainage
 - ☒ 4. Landuse

Question ID : 264330107835
Status : Answered
Chosen Option : 2

Q.70 In operating system, direct memory access steals the access cycle from central processing unit, keeping it in waiting; this process is named as _____.

- Ans
- ☐ 1. cycle facing
 - ☐ 2. cycle processing
 - ☐ 3. cycle waiting
 - ☒ 4. cycle stealing

Question ID : 264330107883
Status : Answered
Chosen Option : 2

Q.71 In which line of the following C language code has error?

```
int main()
{
    int x=5; //line1
    float y=2.25; //line2
    printf("%d",x%y); //line 3
    return 0; //line4
}
```

- Ans
- ☒ 1. line 2
 - ☒ 2. line 1
 - ☒ 3. line 4
 - ☒ 4. line 3

Question ID : 264330107702
Status : Answered
Chosen Option : 3

Q.72 Suppose we have the following page accesses: 3 4 5 6 4 5 6 3 4 3 3 5 3 6 and that there are three frames with in our system. Using the First In First Out page replacement algorithm, what will the final configuration of the three frames following the execution of the given reference string?

- Ans
- ☒ 1. 5,6,4
 - ☒ 2. 5,6,3
 - ☒ 3. 4,5,6
 - ☒ 4. 6,5,4

Question ID : 264330107776
Status : Answered
Chosen Option : 3

Q.73 In paging scheme, operating system divides the main memory into fixed size block, known as _____.

- Ans
- ☒ 1. pages
 - ☒ 2. container
 - ☒ 3. block
 - ☒ 4. frames

Question ID : 264330107482
Status : Answered
Chosen Option : 4

Q.74 In Database Management System, _____ is a key made up of two or more attributes within a table to uniquely identify a record. Ans ☒ 1. Alternate key ☒ 2. Composite key ☒ 3. Concatenate key ☒ 4. Master key	Question ID : 264330107612 Status : Answered Chosen Option : 2
Q.75 Which of the following computer generation's computers are based on Artificial Intelligence? Ans ☒ 1. Third generation computers ☒ 2. Fifth generation computers ☒ 3. Fourth generation computers ☒ 4. First generation computers	Question ID : 264330107654 Status : Answered Chosen Option : 2
Q.76 Which of the following pair is correct regarding the location – allocation model of topological modelling? I. Location – area to be served or service area for the maximisation of coverage II. Allocation – identifying target point for locating service point Ans ☒ 1. Both I and II ☒ 2. Only II ☒ 3. Only I ☒ 4. Neither I nor II	Question ID : 264330107841 Status : Answered Chosen Option : 3
Q.77 A file control block contains information about the file is known as _____ in the Unix file system. Ans ☒ 1. anode ☒ 2. onode ☒ 3. inode ☒ 4. enode	Question ID : 264330107573 Status : Answered Chosen Option : 1

Q.78 Match the following file attributes with its description.

Attribute		Description	
I	Identifier	1	Access-control information
II	Protection	2	Information may be kept for creation, last modification, and last use
III	User identification	3	Unique tag

- Ans ☒ 1. I-3, II-1, III-2
☐ 2. I-2, II-1, III-3
☐ 3. I-3, II-2, III-1
☐ 4. I-1, II-3, III-2

Question ID : 264330107676
Status : Answered
Chosen Option : 2

Q.79 What is the binary coded decimal code for the $(4567)_{10}$?

- Ans ☐ 1. $(0100\ 1001\ 1000\ 0011)_{BCD}$
☐ 2. $(1100\ 0110\ 0101\ 1001)_{BCD}$
☒ 3. $(0100\ 0101\ 0110\ 0111)_{BCD}$
☐ 4. $(1000\ 0010\ 1010\ 0010)_{BCD}$

Question ID : 264330107666
Status : Answered
Chosen Option : 3

Q.80 What is the output of following C language code?

```
int main()
{
    int a;
    a=-4%6%3;
    printf("%d",a);
    return 0;
}
```

- Ans ☐ 1. 2
☒ 2. -1
☐ 3. 0
☐ 4. 1

Question ID : 264330107898
Status : Answered
Chosen Option : 3

Q.81 Arrange the following storage devices according to their storage capacity in descending order.

- I. Solid-state disks
- II. Magnetic disk
- III. Cache memory
- IV. Magnetic tapes

Ans ☒ 1. I-II-III-IV
☒ 2. IV-II-I-III
☒ 3. III-IV-II-I
☒ 4. II-IV-III-I

Question ID : 264330107466
Status : Answered
Chosen Option : 2

Q.82 Which of the following pair of GIS model – description is correct?

- I. Deterministic model – known result based on known input
- II. Stochastic model – interpolation and randomisation of variables

Ans ☒ 1. Neither I nor II
☒ 2. Both I and II
☒ 3. Only II
☒ 4. Only I

Question ID : 264330107631
Status : Answered
Chosen Option : 2

Q.83 Match the following Java Development tools with its description.

Tool		Description	
I	javap	1	Java debugger
II	javah	2	For C header files
III	jdb	3	Java Disassembler

Ans ☒ 1. I-3, II-2, III-1
☒ 2. I-2, II-3, III-1
☒ 3. I-1, II-2, III-3
☒ 4. I-3, II-1, III-2

Question ID : 264330107607
Status : Answered
Chosen Option : 1

Q.84 In computer number system, what is the value of the binary addition of 0 and 1?

- Ans
- ☐ 1. 01
 - ☐ 2. 0
 - ☒ 3. 10
 - ☐ 4. -11

Question ID : 264330107856
Status : Answered
Chosen Option : 2

Q.85 Which of the following is used as Register Names in Assembly language?

- Ans
- ☐ 1. HA
 - ☐ 2. JA
 - ☒ 3. AH
 - ☐ 4. XB

Question ID : 264330107893
Status : Answered
Chosen Option : 4

Q.86 In open-system interconnection model, there are _____ layers (in total).

- Ans
- ☒ 1. 7
 - ☐ 2. 5
 - ☐ 3. 6
 - ☐ 4. 8

Question ID : 264330107520
Status : Answered
Chosen Option : 3

Q.87 _____ is the mechanical device used to measure length and areas on analog maps.

- Ans
- ☐ 1. Pestimeter
 - ☐ 2. Vernimeter
 - ☐ 3. Benimeter
 - ☒ 4. Planimeter

Question ID : 264330107635
Status : Answered
Chosen Option : 4

Q.88 _____ is a device to which different devices are connected for communication in a computer network.

- Ans
- ☐ 1. SMPS
 - ☐ 2. Network Interface Card
 - ☒ 3. Hub
 - ☐ 4. Repeater

Question ID : 264330107622
Status : Answered
Chosen Option : 2

Q.89 Which of following follows the rules of binary Subtraction in computer system?

- Ans ☒ 1. $1-1=0$
☐ 2. $1-0=0$
☐ 3. $0-0=1$
☐ 4. $0-1=0$

Question ID : 264330107852
Status : Answered
Chosen Option : 2

Q.90 Which of the following is NOT a topological error with the polygon features?

- Ans ☐ 1. Unclosed polygon
☐ 2. Overlapping polygons
☐ 3. Gap between polygons
☒ 4. Unshaded polygon

Question ID : 264330107837
Status : Answered
Chosen Option : 4

Q.91 Which of the following is NOT the file attributes in the file system?

- Ans ☐ 1. Type
☒ 2. Code
☐ 3. Name
☐ 4. Identifier

Question ID : 264330107470
Status : Answered
Chosen Option : 4

Q.92 Which statement is correct about Transverse Mercator Map projection?

- I. It is also known as Gauss-kruger
II. It is a variation of the Mercator projection
III. It uses the standard parallel

- Ans ☐ 1. I and II
☒ 2. I, II and III
☐ 3. II and III
☐ 4. I and III

Question ID : 264330107947
Status : Answered
Chosen Option : 3

Q.93 Which of the following is used as Directives in IBM PC assembly language? Ans ☒ 1. NOT ☒ 2. RADIX ☒ 3. NEAR ☒ 4. WORD	Question ID : 264330107596 Status : Answered Chosen Option : 2
Q.94 A compiler typically binds symbolic addresses to _____. Ans ☒ 1. Absolute address ☒ 2. Register address ☒ 3. Physical address ☒ 4. Relocatable address	Question ID : 264330107585 Status : Answered Chosen Option : 2
Q.95 In device management of Operating System, what is Pooling? Ans ☒ 1. The Central Processing Unit waits for a device to be ready for an Input/Output operation ☒ 2. To store the jobs in a spool, which the device can access when it is ready ☒ 3. Stores the data while data is being transferred between devices and applications ☒ 4. Reschedules Input/Output requests sent by the processes to improve the performance of the system	Question ID : 264330107583 Status : Answered Chosen Option : 4
Q.96 _____ is the lightness or darkness of a colour, with black at lower end and white at the higher end. Ans ☒ 1. Wave ☒ 2. Chroma ☒ 3. Hue ☒ 4. Value	Question ID : 264330107737 Status : Answered Chosen Option : 4

SSC Scientific Assistant (IMD) Study Kit



- 100% Paper-1 & Paper-2 Syllabus Covered
- Covered with Home assignment MCQs
- 1 year Current Affairs (PDF Copy)
- 5 Paper-1 Mock Practice Tests (PDF Copy)
- SSC Current Affairs Magazine (PDF Copy)

**SPECIAL
OFFER**

✓ 100%
SAFE

**50%
OFF**

SSC IMD PDF NOTES

100% Syllabus Covered



CLICK HERE

CLICK BELOW LINK TO DOWNLOAD PDF NOTES

<https://sscportal.in/study-kit/scientific-assistant>

<https://sscportal.in/study-kit>

Q.97 In computer, the ALU consists of ____. Ans ✓ 1. Arithmetic unit and logic unit ✗ 2. Arithmetic unit and control unit ✗ 3. Logic unit and Central Processing Unit ✗ 4. Memory unit and control unit Question ID : 264330107649 Status : Answered Chosen Option : 1
Q.98 Which one of the following is responsible for continuous reading and executing a stored instruction in the main memory? Ans ✗ 1. Input Device ✗ 2. Read only Memory ✓ 3. Central Processing Unit ✗ 4. Visual Display Unit Question ID : 264330107458 Status : Answered Chosen Option : 3
Q.99 Which among the following terminology in the Relational Data Base Management System used for a 'Number of columns' in a table? Ans ✓ 1. Degree ✗ 2. Domain ✗ 3. Relation ✗ 4. Cardinality Question ID : 264330107810 Status : Answered Chosen Option : 3
Q.100 'Microsoft Windows' is an example of which type of operating system? Ans ✓ 1. Multitasking operating system ✗ 2. Real – time operating system ✗ 3. Embedded operating system ✗ 4. Multiuser operating system Question ID : 264330107781 Status : Answered Chosen Option : 1