



Teachingninja.in



Latest Govt Job updates



Private Job updates



Free Mock tests available

Visit - teachingninja.in



DSSSB PGT

**Previous Year Paper
(Computer Science) 21
Nov 2022**





GOVT. OF NCT OF DELHI
Delhi Subordinate Services Selection Board
FC-18, Institutional Area, Karkardooma, Delhi - 110092.
www.dsssb.delhigovt.nic.in

Participant ID	
Participant Name	
Test Center Name	
Test Date	21/11/2022
Test Time	2:00 PM - 5:00 PM
Subject	PGT Computer science(Male)

Section : Mental ability and reasoning Ability

Q.1 Two friends Sanjay and Vijay start running from the same place. Sanjay runs 65 m towards the west, then turns left and runs 25 m. In the meanwhile, Vijay runs 20 m towards the north, then turns to his right and runs 35 m, then turns towards the north and runs 45 m. Finally, Vijay takes a left turn and runs 100 m before stopping. What is the minimum distance between Sanjay and Vijay?

- Ans
- ☒ A. 85 m
 - ☒ B. 100 m
 - ☒ C. 80 m
 - ☒ D. 90 m

Question ID : 9744432828

Q.2 Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.

$$370 * 221 * 17 * 16 * 31 * 11$$

- Ans
- ☒ A. +, ÷, =, ×, -
 - ☒ B. -, ÷, =, +, ×
 - ☒ C. ×, +, ÷, -, =
 - ☒ D. ÷, +, ×, -, =

Question ID : 9744432837

Q.3 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

RIDE : YDGD :: HELP : ?

- Ans
- ☒ A. OZON
 - ☒ B. OZNO
 - ☒ C. OAOM
 - ☒ D. OZOO

Question ID : 9744432839

Q.4 Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

Instructions were given to the counsellors in a coaching institute, to help the students who appeared for the first time in the NEET examination to fill up the form.

Assumption:

- I. Entries in the form are very complicated.
- II. Candidates can appear more than once for this examination.

- Ans**
- ☒ A. Neither assumption I nor II is implicit
 - ☒ B. Only assumption II is implicit
 - ☒ C. Both assumptions I and II are implicit
 - ☒ D. Only assumption I is implicit

Question ID : 9744432833

Q.5 'P × Q' means 'P is the daughter of Q'
 'P + Q' means 'P is the father of Q'
 'P % Q' means 'P is the mother of Q'
 'P - Q' means 'P is the brother of Q'
 'L % M + N - O × P' indicates which relation of L to P?

- Ans**
- ☒ A. L is the mother of P's husband
 - ☒ B. L is father of P's mother
 - ☒ C. L is the mother of P's wife
 - ☒ D. L is the mother of P's brother

Question ID : 9744432829

Q.6 Which two signs should be interchanged to make the following equation correct?

$$437 \div 23 + 34 - 26 \times 170 = 733$$

- Ans**
- ☒ A. × and -
 - ☒ B. × and +
 - ☒ C. ÷ and +
 - ☒ D. ÷ and ×

Question ID : 9744432838

Q.7 A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient to answer the question.

Question:

How many sons does Devika have?

Statements:

- I. Sachin and Dev are the only sons of Devika's husband.
- II. Devika is the mother of Kavita and Krishna. Dev is the son of Mayank.

- Ans**
- ☒ A. Data in statement I alone are sufficient to answer the question, while data in statement II alone are not sufficient to answer the question
 - ☒ B. Data in statement II alone are sufficient to answer the question, while data in statement I alone are not sufficient to answer the question
 - ☒ C. Neither data in statement I nor in statement II are sufficient to answer the question
 - ☒ D. Either data in statement I alone or in statement II alone are sufficient to answer the question

Question ID : 9744432836

Q.8 Select the number from among the given options that can replace the question mark (?) in the following series.

9, 25, 67, 121, ?

- Ans**
- ☒ A. 218
 - ☒ B. 219
 - ☒ C. 220
 - ☒ D. 221

Question ID : 9744432835

Q.9 In a certain code language, 'RAT' is coded as '234' and 'FILM' is coded as '320'. How will 'BRAIN' be coded in that language?

- Ans**
- ☒ A. 430
 - ☒ B. 440
 - ☒ C. 220
 - ☒ D. 230

Question ID : 9744432827

Q.10 A training institute scheduled six trainings on Java, C, Python, Data Structure, DBMS and Dot Net on a particular day of the same week, from Monday to Saturday. Every training must be completed in one full day and exactly one training will be scheduled for each day. The training must be scheduled according to the following conditions:

1. Java must be scheduled before Data Structure.
2. Python must be scheduled on the day immediately before or the day immediately after the day on which Dot Net is scheduled.
3. DBMS must be on Tuesday.

All of the following trainings can be scheduled on Saturday, EXCEPT:

- Ans**
- ☒ A. Java
 - ☒ B. C
 - ☒ C. Dot Net
 - ☒ D. Data Structure

Question ID : 9744432824

Q.11 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

- Ans**
- ☒ A. CHLO
 - ☒ B. GLPS
 - ☒ C. INRV
 - ☒ D. TYCF

Question ID : 9744432840

Q.12 Select the number from among the given options that can replace the question mark (?) in the following series.

10000, 12000, 9600, 11520, ?

- Ans**
- ☒ A. 9212
 - ☒ B. 9216
 - ☒ C. 9254
 - ☒ D. 9200

Question ID : 9744432834

Q.13 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

- Ans** ☒ A. DJFI
☒ B. KNJM
☒ C. HKGJ
☒ D. EHDG

Question ID : 9744432832

Q.14 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All fishes are books.
 All books are whales.
 All whales are birds.

Conclusions:

- I. All fishes are birds.
 II. All books are birds.
 III. All books are fishes.

- Ans** ☒ A. Only conclusion I follows
☒ B. All conclusions I, II and III follow
☒ C. Only conclusions II and III follow
☒ D. Only conclusions I and II follow

Question ID : 9744432825

Q.15 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
 SDTX, ?, YRBP, BLFL, EFJH

- Ans** ☒ A. VXXT
☒ B. VXXS
☒ C. VWXT
☒ D. VXWT

Question ID : 9744432841

Q.16 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
 FADA, IWIU, LSNO, ?, RKXC

- Ans** ☒ A. OOSI
☒ B. OOSJ
☒ C. OPSI
☒ D. QOSI

Question ID : 9744432826

Q.17 Sita is 17 ranks ahead of Geeta in a class of 59. If Geeta's rank is 27th from the end, what is Sita's rank from the top?

- Ans** ☒ A. 12th
☒ B. 15th
☒ C. 16th
☒ D. 10th

Question ID : 9744432823

Q.18 A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient to answer the question.

Question:

On which day of the week was Fahad born?

Statements:

- I. Fahad is older than Chand by 10 years.
- II. Chand was born on Friday in 1998.

Ans ☒ A.

Data in statement II alone are sufficient to answer the question, while data in statement I alone are not sufficient to answer the question

☒ B.

Data in statement I alone are sufficient to answer the question, while data in statement II alone are not sufficient to answer the question

☒ C.

Data in both the statements are not sufficient to answer the question

☒ D.

Either data in statement I alone or in statement II alone are sufficient to answer the question

Question ID : 9744432836

Q.19 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

- No goats are lions.
- No lions are horses.
- All lions are rats.

Conclusions:

- I. Some lions are goats.
- II. Some horses are lions.
- III. Some rats are lions.

Ans ☒ A. All conclusions I, II and III follow

☒ B. Only conclusion III follows

☒ C. Only conclusions II and III follow

☒ D. Only conclusions I and II follow

Question ID : 9744432842

Q.20 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

BIMN : CKQV :: CURD : ?

Ans ☒ A. DVWL

☒ B. DWUL

☒ C. DWVL

☒ D. DWLV

Question ID : 9744432831

Section : General Awareness

Q.1 Babur made his first raid on India in which of the following years?

Ans ☒ A. 1564

☒ B. 1519

☒ C. 1545

☒ D. 1588

Q.2 What is the full form of ARPANET, which was an experimental computer network that was the forerunner of the Internet?

- Ans**
- ☐ A. Advanced Recombination Projects Agency Network
 - ☐ B. Advanced Research Projects Agency Nodes
 - ☐ C. Associated Recombination Projects Agency Network
 - ☒ D. Advanced Research Projects Agency Network

Question ID : 9744432861

Q.3 Which of the following missions of NASA will land the first woman on the Moon, using innovative technologies to explore more of the lunar surface than ever before?

- Ans**
- ☐ A. Cosmos
 - ☐ B. Time Travel
 - ☒ C. Artemis
 - ☐ D. Apollo Unlimited

Question ID : 9744432854

Q.4 The Kanch Mahal is located in which of the following cities of Uttar Pradesh?

- Ans**
- ☐ A. Lucknow
 - ☐ B. Kanpur
 - ☒ C. Agra
 - ☐ D. Aligarh

Question ID : 9744432848

Q.5 Which Article of the Indian Constitution talks about the right to education?

- Ans**
- ☐ A. Article 41A
 - ☒ B. Article 21A
 - ☐ C. Article 55A
 - ☐ D. Article 61A

Question ID : 9744432856

Q.6 In October 2022, the Government and the Life Insurance Corporation of India moved to sell nearly 61 per cent stake in which of the following banks?

- Ans**
- ☐ A. Indian Bank
 - ☐ B. Bank of India
 - ☐ C. Union Bank of India
 - ☒ D. IDBI Bank

Question ID : 9744432850

Q.7 Henry Louis Vivian Derozio, who started the Young Bengal Movement, was appointed as a teacher in which of the following colleges of Calcutta?

- Ans
- ☐ A. St. Xavier's College
 - ☐ B. Lady Brabourne College
 - ☐ C. Presidency College
 - ☒ D. Hindu College

Question ID : 9744432860

Q.8 Pachmarhi hill station is located in which of the following states of India?

- Ans
- ☒ A. Madhya Pradesh
 - ☐ B. Kerala
 - ☐ C. Himachal Pradesh
 - ☐ D. Karnataka

Question ID : 9744432851

Q.9 In September 2022, how many agreements did Bangladesh and India sign in the presence of Prime Minister Narendra Modi and his Bangladeshi counterpart Sheikh Hasina?

- Ans
- ☐ A. Six
 - ☐ B. Three
 - ☒ C. Seven
 - ☐ D. Eleven

Question ID : 9744432847

Q.10 What is 'u' in the equation of $s = ut + \frac{1}{2}at^2$?

- Ans
- ☒ A. Initial velocity
 - ☐ B. Initial time
 - ☐ C. Uniform acceleration
 - ☐ D. Velocity

Question ID : 9744432855

Q.11 What is the name of the only airport on the Lakshadweep Islands?

- Ans
- ☐ A. Barren Aerodrome
 - ☐ B. Munroe Aerodrome
 - ☐ C. Pamban Aerodrome
 - ☒ D. Agatti Aerodrome

Question ID : 9744432853

Q.12 Bada Bagh Temple is located in which of the following cities of Rajasthan?

- Ans**
- ☒ A. Jaisalmer
 - ☐ B. Bikaner
 - ☐ C. Jaipur
 - ☐ D. Udaipur

Question ID : 9744432859

Q.13 Bhavgeet, which is known as the music of expression, is from which of the following states?

- Ans**
- ☐ A. Madhya Pradesh
 - ☐ B. West Bengal
 - ☒ C. Karnataka
 - ☐ D. Himachal Pradesh

Question ID : 9744432849

Q.14 In September 2022, which of the following tennis players announced his decision to retire from tennis after confirming his recovery from right knee surgery?

- Ans**
- ☒ A. Roger Federer
 - ☐ B. Novak Djokovic
 - ☐ C. Andy Murray
 - ☐ D. Rafael Nadal

Question ID : 9744432845

Q.15 In October 2022, which of the following Supreme Court judges was announced to head a government panel to study Scheduled Caste status accorded to Dalits who have converted to Islam and Christianity?

- Ans**
- ☒ A. KG Balakrishnan
 - ☐ B. S Abdul Nazeer
 - ☐ C. Sanjay Kishan Kaul
 - ☐ D. DY Chandrachud

Question ID : 9744432857

Q.16 As per the Census 2011, what is the percentage of Buddhist population in India?

- Ans**
- ☐ A. 0.2 percent
 - ☒ B. 0.7 percent
 - ☐ C. 0.3 percent
 - ☐ D. 0.6 percent

Question ID : 9744432852

Q.17 What is the atomic number of chlorine?

- Ans ☒ A. 17
☐ B. 19
☐ C. 20
☐ D. 18

Question ID : 9744432858

Q.18 The Mawphlang Sacred Forest/Grove is in _____.

- Ans ☐ A. Sikkim
☐ B. Nagaland
☒ C. Meghalaya
☐ D. Arunachal Pradesh

Question ID : 9744432862

Q.19 As per the Census 2011, what is the percentage of Jain population in India?

- Ans ☐ A. 0.10 percent
☒ B. 0.4 percent
☐ C. 0.8 percent
☐ D. 0.6 percent

Question ID : 9744432844

Q.20 In September 2021, New Space India Limited entrusted which of the following companies to launch its GSAT-24?

- Ans ☐ A. Boeing
☐ B. Sierra Nevada Corporation
☒ C. Arianespace
☐ D. SpaceX

Question ID : 9744432843

Section : Numerical Aptitude and Data Interpretation

Q.1 The cost of a table is ₹1,600 more than that of a chair. If the table is sold at a loss of 8% and the chair is sold at a profit of 40%, then there is an overall profit of 6.4%. What is the cost price (in ₹) of the table?

- Ans ☐ A. 2,600
☐ B. 2,500
☒ C. 2,800
☐ D. 3,200

Question ID : 9744432871

Q.2 In finding HCF of two numbers by division method, the last divisor is 64 and the respective quotients from the beginning are 2, 7 and 2. The sum of the two numbers is:

- Ans**
- ☒ A. 2784
 - ☒ B. 2528
 - ☒ C. 2656
 - ☒ D. 3008

Question ID : 9744432865

Q.3 Pipes A, B and C can fill a tank in 30 hours, 60 hours and 90 hours, respectively. A, B and C are opened alternately for one hour each, starting with C in the 1st hour followed by B and A in the 2nd and 3rd hour, respectively, and so on. In how many hours will the tank be filled completely?

- Ans**
- ☒ A. $49\frac{2}{11}$
 - ☒ B. $49\frac{2}{3}$
 - ☒ C. $49\frac{1}{11}$
 - ☒ D. $49\frac{5}{6}$

Question ID : 9744432878

Q.4 A trader sells calculators for ₹1,008 each, after giving 16% discount on the marked price. If he does not give discount, then he earns a profit of 25 % on the cost price. What is the cost price (in ₹) of each calculator?

- Ans**
- ☒ A. 960
 - ☒ B. 980
 - ☒ C. 990
 - ☒ D. 950

Question ID : 9744432873

Q.5 A car travels for 30 minutes at a speed of 50 km/h, the next 40 minutes at a speed of 40 km/h and the next 50 minutes at x km/h. If his average speed for the whole journey is 42 km/h, then the distance travelled at x km/h is:

- Ans**
- ☒ A. $32\frac{1}{3}$ km
 - ☒ B. $33\frac{2}{3}$ km
 - ☒ C. $33\frac{1}{2}$ km
 - ☒ D. $35\frac{1}{3}$ km

Question ID : 9744432877

Q.6 Two solid metallic right circular cones of heights 3.5 cm and 5.3 cm and base radius of each cone 2.2 cm are melted and recast into a solid sphere. What is the surface area (in cm²) of the sphere?

- Ans**
- ☒ A. 9.68π
 - ☒ B. 19.36π
 - ☒ C. 29.04π
 - ☒ D. 14.52π

Question ID : 9744432880

Q.7 The average of fifteen numbers is 45. The average of the first six numbers is 42.5 and the average of the last six numbers is 44.5. What is the average of the remaining three numbers, out of which two numbers are 41 and 46?

- Ans**
- ☒ A. 47
 - ☒ B. 49
 - ☒ C. 48
 - ☒ D. 45

Question ID : 9744432866

Q.8 When x is subtracted from each of 27, 43, 36 and 60, the numbers, so obtained, in this order are in proportion. What is the mean proportional between $(x + 1)$ and $(2x - 3)$?

- Ans**
- ☒ A. $5\sqrt{6}$
 - ☒ B. $5\sqrt{15}$
 - ☒ C. $2\sqrt{22}$
 - ☒ D. $\sqrt{42}$

Question ID : 9744432874

Q.9 Sumita's savings are equal to 18% of her expenditure. If her income increases by 35% and expenditure increases by 38.6%, then by what percentage does her savings increase/decrease?

- Ans**
- ☒ A. Decrease by 14.4%
 - ☒ B. Increase by 14.6%
 - ☒ C. Increase by 15%
 - ☒ D. Decrease by 13.04%

Question ID : 9744432869

Q.10 The area of a rectangle is 660 cm^2 and length of its diagonal is 61 cm. What is the perimeter (in cm) of the rectangle?

- Ans**
- ☒ A. 136
 - ☒ B. 138
 - ☒ C. 142
 - ☒ D. 140

Question ID : 9744432879

Q.11 The ratio of spirit and water in solution A is 5 : 2 and it is 7 : 6 in solution B. Seven litres of A is mixed with nine litres of B. In 260 ml of the resulting solution, how much spirit (in ml) should be added so that the final solution contains spirit and water in the ratio 2 : 1?

- Ans**
- ☒ A. 45
 - ☒ B. 40
 - ☒ C. 50
 - ☒ D. 35

Question ID : 9744432867

Q.12 By selling an article at $\frac{11}{20}$ of its selling price, a shopkeeper loses 12%. If he sells it at 90% of its original selling price, then what is the profit percentage?

- Ans**
- ☒ A. 40%
 - ☒ B. 22%
 - ☒ C. 25%
 - ☒ D. 44%

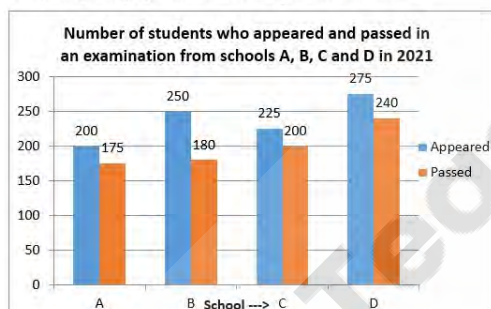
Question ID : 9744432870

Q.13 In an election involving two candidates, 150 votes were declared invalid. The winning candidate got 57% votes and won by 238 votes. The total number of votes polled was:

- Ans**
- ☒ A. 1750
 - ☒ B. 1800
 - ☒ C. 1850
 - ☒ D. 1900

Question ID : 9744432868

Q.14 Study the given graph and answer the question that follows.



The average number of students (per school) who passed from schools A, C and D is what percentage less than the total number of students who appeared from school B?

- Ans**
- ☒ A. 18%
 - ☒ B. 22%
 - ☒ C. 16%
 - ☒ D. 21%

Question ID : 9744432882

Q.15 If $x = 3.2 \times 10.24 + 7.84 \times 2.8 + 9.6 \times 8.96 + 23.52 \times 3.2$, then $\sqrt{x}$ is equal to:

- Ans**
- ☒ A. 8
 - ☒ B. 6
 - ☒ C. $6\sqrt{6}$
 - ☒ D. $6\sqrt{3}$

Question ID : 9744432863

Q.16 If the six-digit number $9x73x0$ is divisible by 60, then the value of $\frac{3x+2}{3x-2}$ is:

- Ans**
- ☒ A. $\frac{23}{19}$
 - ☒ B. $\frac{7}{5}$
 - ☒ C. 5
 - ☒ D. $\frac{5}{4}$

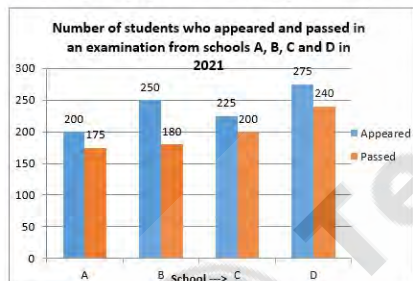
Question ID : 9744432864

Q.17 A, B and C are partners in a business, sharing profit in the ratio 5 : 4 : 3. B retires from the partnership and his share is taken by A and C in the ratio 2 : 1. What is the new profit sharing ratio between A and C?

- Ans**
- ☒ A. 23 : 13
 - ☒ B. 21 : 11
 - ☒ C. 19 : 15
 - ☒ D. 37 : 29

Question ID : 9744432875

Q.18 Study the given graph and answer the question that follows.



The total number of students who passed from schools A, B and D is what percentage of the total number of students who appeared from schools A, C and D?

- Ans**
- ☒ A. 80%
 - ☒ B. 85%
 - ☒ C. 75%
 - ☒ D. 70%

Question ID : 9744432881

Q.19 The marked price of an article is ₹400. It is sold for ₹289, after two successive discounts each of $x\%$. If a single discount of $2x\%$ is given on the same marked price, what will be its selling price (in ₹)?

- Ans**
- ☒ A. 280
 - ☒ B. 285
 - ☒ C. 275
 - ☒ D. 270

Question ID : 9744432872

Q.20 The amount of a certain sum invested for $3\frac{1}{2}$ years at simple interest is ₹6,648 at a certain rate per cent per annum. The amount of the same sum invested for 6 years at simple interest is ₹7,968 at the same rate. The sum (in ₹) is:

- Ans**
- ☒ A. 5,000
 - ☒ B. 5,200
 - ☒ C. 4,500
 - ☒ D. 4,800

Question ID : 9744432876

Section : English Language and Comprehension

Q.1 Select the most appropriate option to fill in the blanks.

It was _____ that the witness was _____ back several crucial _____.

- Ans**
- ☒ A. uncertain; held; data
 - ☒ B. confident; providing; evidence
 - ☒ C. obvious; holding; facts
 - ☒ D. crucial; keep; information

Question ID : 9744432890

Q.2 Select the most appropriate ANTONYM of the given word.

Discernible

- Ans**
- ☒ A. Audible
 - ☒ B. Obvious
 - ☒ C. Obscure
 - ☒ D. Apparent

Question ID : 9744432897

Q.3 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. They took the clothes with great joy, as if they were made of silk.
- B. I used to really like these two boys for their enthusiasm.
- C. But I never saw them wear those clothes.
- D. Once in a while I took snacks and some old shirts for them.

- Ans**
- ☒ A. BDAC
 - ☒ B. BACD
 - ☒ C. CDAB
 - ☒ D. ADBC

Question ID : 9744432886

Q.4 Select the most appropriate ANTONYM of the given word.

Audacious

- Ans
- ☒ A. Impertinent
 - ☒ B. Courteous
 - ☒ C. Impudent
 - ☒ D. Flippant

Question ID : 9744432895

Q.5 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

The dentist prescribes antibiotics and pain-killers to me when my tooth was extracted.

- Ans
- ☒ A. are prescribed
 - ☒ B. was prescribing
 - ☒ C. prescribed
 - ☒ D. No substitution required

Question ID : 9744432891

Q.6 Select the most appropriate option to fill in the blanks.

You must cut _____ your consumption of fat if you want to _____ your weight.

- Ans
- ☒ A. off; induce
 - ☒ B. up; lose
 - ☒ C. down; reduce
 - ☒ D. out; condense

Question ID : 9744432889

Q.7 Select the most appropriate option to fill in the blank.

Aniruddh has just gone back to Bangalore, _____, he can't come back to Delhi so soon.

- Ans
- ☒ A. therefore
 - ☒ B. subsequently
 - ☒ C. however
 - ☒ D. still

Question ID : 9744432884

Q.8 Select the most appropriate option to fill in the blank.

For two days, the little girl has been complaining _____ pain in her legs.

- Ans
- ☒ A. of
 - ☒ B. from
 - ☒ C. for
 - ☒ D. to

Question ID : 9744432883



Q.9 Select the most appropriate option to fill in the blank.

The policeman had no choice _____ to let the boy free as there was no evidence against him.

- Ans
- ☒ A. although
 - ☒ B. so
 - ☒ C. however
 - ☒ D. but

Question ID : 9744432896

Q.10 Given below are four sentences, out of which three are connected. Select the odd sentence out.

- Ans ☒ A.
Everywhere you go, you see colours: white clouds in the sky, green vegetation inching up grey stone structures and red brick buildings.
- ☒ B. Maybe you'll learn about their favourite colours.
 - ☒ C.
Maybe you'll learn about an emotion they felt, or wanted other people to feel.
 - ☒ D. What can art teach you about the person who made it?

Question ID : 9744432888

Q.11 Select the most appropriate synonym of the given word.

Austere

- Ans
- ☒ A. Excited
 - ☒ B. Extravagant
 - ☒ C. Ascetic
 - ☒ D. Luxurious

Question ID : 9744432894

Q.12 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. The combatants were two stallions, probably fighting for the lordship over the mares in the herd.
- B. Chunks of turf flew, and the earth shook under their hoofs.
- C. Small incidents provided variety.
- D. Once it was the spectacle of a fight between wild asses.

- Ans
- ☒ A. CBDA
 - ☒ B. DACB
 - ☒ C. CDAB
 - ☒ D. ADBC

Question ID : 9744432887

Q.13 Select the correct meaning of the given idiom.

With a fine-tooth comb

- Ans
- ☒ A. To complete a task sincerely
 - ☒ B. To watch from a distance
 - ☒ C. To examine in great detail
 - ☒ D. To get involved in something

Q.14 Select the option that completes the given proverb correctly.

_____ is more dangerous than a lion's claw.

- Ans**
- ☒ A. A sweet tongue
 - ☒ B. A duck's beak
 - ☒ C. A tiger's growl
 - ☒ D. A goose quill

Question ID : 9744432892

Q.15 Select the most appropriate option to fill in the blank.

She _____ that she would be able to qualify the CUET with a high percentile, but something went amiss.

- Ans**
- ☒ A. hopes
 - ☒ B. has been hoping
 - ☒ C. had hoped
 - ☒ D. would hope

Question ID : 9744432885



Comprehension:

Read the given passage and answer the questions that follow.

The tradition and fascination for painting started by Humayun was carried forward by his son Akbar (1556–1605). Abul Fazal, the court historian of Akbar, writes about Akbar's passion for arts. He records that more than a hundred artists were employed in the royal atelier. This included the most skilled Persian and indigenous Indian artists of that time. This integrated composition of Indo-Persian artists led to the development of a unique style in this period. These artists together undertook ambitious projects that established new artistic standards with regard to visual language, as well as, subject matter. Akbar, laid great emphasis on illustration of manuscripts. It was under his patronage that several seminal projects of translation and illustration of manuscripts were carried out. The earliest of his projects is the continuation of his father's artistic legacy of *Hamza Nama*, an illustrated account of the heroic deeds of Hamza, the uncle of Prophet Muhammad. It is recorded to have consisted of 14 volumes with 1400 illustrations and took nearly 15 years to be completed. The suggested date of this magnificent project is 1567–1582 and was completed under the supervision of two Persian masters — Mir Sayyid Ali and Abdus Samad. Akbar envisioned cultural integration and commissioned translation of several revered Hindu texts. He commissioned translation and illustration of revered Sanskrit texts into Persian. The Persian translation and illustrated version of the Hindu epic *Mahabharata* done in this period came to be known as *Razm Nama*. This was completed in 1589 under the supervision of master artist Daswant. This manuscript was scribed in ornate calligraphy and contained 169 paintings. The translation and illustration of the *Ramayana* were also carried out around this time. Artists like Govardhan and Miskin were celebrated for their visuals of court scenes. *Akbar Nama*, an extraordinary manuscript, on the lines of *Babur Nama*, containing a detailed account of Akbar's political and personal life, was one of the most expensive projects undertaken by Akbar. Akbar personally engaged with the artists, and supervised and evaluated the artworks. The Mughal paintings under Akbar's patronage depicted a variety of subjects, including, detailed political conquests, seminal court scenes, secular texts, portraits of important men along with Hindu mythologies, and Persian and Islamic themes. Akbar's fascination for Indian scriptures and regard for India made him one of the most popular emperors of the country.

SubQuestion No : 16

Q.16 Which of the following was the illustrated Persian translation of Mahabharata?

- Ans
- ☒ A. *Akber Nama*
 - ☒ B. *Hamza Nama*
 - ☒ C. *Razm Nama*
 - ☒ D. *Babur Nama*

Question ID : 9744432899

Comprehension:

Read the given passage and answer the questions that follow.

The tradition and fascination for painting started by Humayun was carried forward by his son Akbar (1556–1605). Abul Fazal, the court historian of Akbar, writes about Akbar's passion for arts. He records that more than a hundred artists were employed in the royal atelier. This included the most skilled Persian and indigenous Indian artists of that time. This integrated composition of Indo-Persian artists led to the development of a unique style in this period. These artists together undertook ambitious projects that established new artistic standards with regard to visual language, as well as, subject matter. Akbar, laid great emphasis on illustration of manuscripts. It was under his patronage that several seminal projects of translation and illustration of manuscripts were carried out. The earliest of his projects is the continuation of his father's artistic legacy of *Hamza Nama*, an illustrated account of the heroic deeds of Hamza, the uncle of Prophet Muhammad. It is recorded to have consisted of 14 volumes with 1400 illustrations and took nearly 15 years to be completed. The suggested date of this magnificent project is 1567–1582 and was completed under the supervision of two Persian masters — Mir Sayyid Ali and Abdus Samad. Akbar envisioned cultural integration and commissioned translation of several revered Hindu texts. He commissioned translation and illustration of revered Sanskrit texts into Persian. The Persian translation and illustrated version of the Hindu epic *Mahabharata* done in this period came to be known as *Razm Nama*. This was completed in 1589 under the supervision of master artist Daswant. This manuscript was scribed in ornate calligraphy and contained 169 paintings. The translation and illustration of the *Ramayana* were also carried out around this time. Artists like Govardhan and Miskin were celebrated for their visuals of court scenes. *Akbar Nama*, an extraordinary manuscript, on the lines of *Babur Nama*, containing a detailed account of Akbar's political and personal life, was one of the most expensive projects undertaken by Akbar. Akbar personally engaged with the artists, and supervised and evaluated the artworks. The Mughal paintings under Akbar's patronage depicted a variety of subjects, including, detailed political conquests, seminal court scenes, secular texts, portraits of important men along with Hindu mythologies, and Persian and Islamic themes. Akbar's fascination for Indian scriptures and regard for India made him one of the most popular emperors of the country.

SubQuestion No : 17

Q.17 Which of the following statements is NOT true about *Hamza Nama*?

Ans ☒ A.

Humza Nama consisted of 14 volumes with 1400 illustrations.

☒ B.

Humza Nama took 15 years to be completed under the supervision of Mir Sayyid Ali and Abdus Samad.

☒ C.

Humza Nama was an illustrated account of the heroic deeds of Hamza, the uncle of Prophet Muhammad.

☒ D. Akbar originally started the project of *Hamza Nama*.

Comprehension:

Read the given passage and answer the questions that follow.

The tradition and fascination for painting started by Humayun was carried forward by his son Akbar (1556–1605). Abul Fazal, the court historian of Akbar, writes about Akbar's passion for arts. He records that more than a hundred artists were employed in the royal atelier. This included the most skilled Persian and indigenous Indian artists of that time. This integrated composition of Indo-Persian artists led to the development of a unique style in this period. These artists together undertook ambitious projects that established new artistic standards with regard to visual language, as well as, subject matter. Akbar, laid great emphasis on illustration of manuscripts. It was under his patronage that several seminal projects of translation and illustration of manuscripts were carried out. The earliest of his projects is the continuation of his father's artistic legacy of *Hamza Nama*, an illustrated account of the heroic deeds of Hamza, the uncle of Prophet Muhammad. It is recorded to have consisted of 14 volumes with 1400 illustrations and took nearly 15 years to be completed. The suggested date of this magnificent project is 1567–1582 and was completed under the supervision of two Persian masters — Mir Sayyid Ali and Abdus Samad. Akbar envisioned cultural integration and commissioned translation of several revered Hindu texts. He commissioned translation and illustration of revered Sanskrit texts into Persian. The Persian translation and illustrated version of the Hindu epic *Mahabharata* done in this period came to be known as *Razm Nama*. This was completed in 1589 under the supervision of master artist Daswant. This manuscript was scribed in ornate calligraphy and contained 169 paintings. The translation and illustration of the *Ramayana* were also carried out around this time. Artists like Govardhan and Miskin were celebrated for their visuals of court scenes. *Akbar Nama*, an extraordinary manuscript, on the lines of *Babur Nama*, containing a detailed account of Akbar's political and personal life, was one of the most expensive projects undertaken by Akbar. Akbar personally engaged with the artists, and supervised and evaluated the artworks. The Mughal paintings under Akbar's patronage depicted a variety of subjects, including, detailed political conquests, seminal court scenes, secular texts, portraits of important men along with Hindu mythologies, and Persian and Islamic themes. Akbar's fascination for Indian scriptures and regard for India made him one of the most popular emperors of the country.

SubQuestion No : 18

Q.18 After reading the passage, it can be inferred that is has been extracted from a book on:

- Ans ☒ A. the history of Indian art
- ☐ B. archaeology in India
- ☐ C. Mughal political history
- ☐ D. Indian history

Question ID : 9744432902

Comprehension:

Read the given passage and answer the questions that follow.

The tradition and fascination for painting started by Humayun was carried forward by his son Akbar (1556–1605). Abul Fazal, the court historian of Akbar, writes about Akbar's passion for arts. He records that more than a hundred artists were employed in the royal atelier. This included the most skilled Persian and indigenous Indian artists of that time. This integrated composition of Indo-Persian artists led to the development of a unique style in this period. These artists together undertook ambitious projects that established new artistic standards with regard to visual language, as well as, subject matter. Akbar, laid great emphasis on illustration of manuscripts. It was under his patronage that several seminal projects of translation and illustration of manuscripts were carried out. The earliest of his projects is the continuation of his father's artistic legacy of *Hamza Nama*, an illustrated account of the heroic deeds of Hamza, the uncle of Prophet Muhammad. It is recorded to have consisted of 14 volumes with 1400 illustrations and took nearly 15 years to be completed. The suggested date of this magnificent project is 1567–1582 and was completed under the supervision of two Persian masters — Mir Sayyid Ali and Abdus Samad. Akbar envisioned cultural integration and commissioned translation of several revered Hindu texts. He commissioned translation and illustration of revered Sanskrit texts into Persian. The Persian translation and illustrated version of the Hindu epic *Mahabharata* done in this period came to be known as *Razm Nama*. This was completed in 1589 under the supervision of master artist Daswant. This manuscript was scribed in ornate calligraphy and contained 169 paintings. The translation and illustration of the *Ramayana* were also carried out around this time. Artists like Govardhan and Miskin were celebrated for their visuals of court scenes. *Akbar Nama*, an extraordinary manuscript, on the lines of *Babur Nama*, containing a detailed account of Akbar's political and personal life, was one of the most expensive projects undertaken by Akbar. Akbar personally engaged with the artists, and supervised and evaluated the artworks. The Mughal paintings under Akbar's patronage depicted a variety of subjects, including, detailed political conquests, seminal court scenes, secular texts, portraits of important men along with Hindu mythologies, and Persian and Islamic themes. Akbar's fascination for Indian scriptures and regard for India made him one of the most popular emperors of the country.

SubQuestion No : 19

Q.19 Akbar had a great passion for arts. Which of the following statements does NOT indicate this?

Ans ☒ A.

Akbar had employed more than a hundred skilled artists in his royal atelier.

☒ B.

Akbar commissioned the translation and illustration of revered Sanskrit texts into Persian.

☒ C.

Akbar Nama, containing a detailed account of Akbar's political and personal life, was an expensive project undertaken by Akbar.

☒ D.

Akbar laid great emphasis on the illustration of manuscripts.

Comprehension:

Read the given passage and answer the questions that follow.

The tradition and fascination for painting started by Humayun was carried forward by his son Akbar (1556–1605). Abul Fazal, the court historian of Akbar, writes about Akbar's passion for arts. He records that more than a hundred artists were employed in the royal atelier. This included the most skilled Persian and indigenous Indian artists of that time. This integrated composition of Indo-Persian artists led to the development of a unique style in this period. These artists together undertook ambitious projects that established new artistic standards with regard to visual language, as well as, subject matter. Akbar, laid great emphasis on illustration of manuscripts. It was under his patronage that several seminal projects of translation and illustration of manuscripts were carried out. The earliest of his projects is the continuation of his father's artistic legacy of *Hamza Nama*, an illustrated account of the heroic deeds of Hamza, the uncle of Prophet Muhammad. It is recorded to have consisted of 14 volumes with 1400 illustrations and took nearly 15 years to be completed. The suggested date of this magnificent project is 1567–1582 and was completed under the supervision of two Persian masters — Mir Sayyid Ali and Abdus Samad. Akbar envisioned cultural integration and commissioned translation of several revered Hindu texts. He commissioned translation and illustration of revered Sanskrit texts into Persian. The Persian translation and illustrated version of the Hindu epic *Mahabharata* done in this period came to be known as *Razm Nama*. This was completed in 1589 under the supervision of master artist Daswant. This manuscript was scribed in ornate calligraphy and contained 169 paintings. The translation and illustration of the *Ramayana* were also carried out around this time. Artists like Govardhan and Miskin were celebrated for their visuals of court scenes. *Akbar Nama*, an extraordinary manuscript, on the lines of *Babur Nama*, containing a detailed account of Akbar's political and personal life, was one of the most expensive projects undertaken by Akbar. Akbar personally engaged with the artists, and supervised and evaluated the artworks. The Mughal paintings under Akbar's patronage depicted a variety of subjects, including, detailed political conquests, seminal court scenes, secular texts, portraits of important men along with Hindu mythologies, and Persian and Islamic themes. Akbar's fascination for Indian scriptures and regard for India made him one of the most popular emperors of the country.

SubQuestion No : 20

Q.20 Match the words with their meanings.

Words	Meanings
a. Indigenous	1. An artist's workshop
b. Seminal	2. Native
c. Atelier	3. Ground-breaking

- Ans ☒ A. a-2, b-3, c-1
☒ B. a-3, b-1, c-2
☒ C. a-1, b-3, c-2
☒ D. a-2, b-1, c-3

Section : Hindi Language and Comprehension

Q.1 वाक्य विन्यास की दृष्टि से शुद्ध वाक्य का चयन कीजिए।

- Ans
- ☒ A. शुक और सारिका मनुष्यों की बोली की नक़ल करते हैं।
 - ☐ B. वास्तुकला का एक उत्कृष्ट नमूना है ताजमहल।
 - ☐ C. व्यंजन कई प्रकार के परोसे गए थे प्रीतिभोज में।
 - ☐ D. वह विवर्ण होता जा रहा था लज्जा और ग्लानी से।

Question ID : 9744432907

Q.2 वाक्य विन्यास की दृष्टि से अशुद्ध वाक्य का चयन कीजिए।

- Ans
- ☐ A. छुट्टियों में समय बिताना भी एक समस्या है।
 - ☒ B. अपना अधिकार जमाये बैठा है वह पराये धन पर।
 - ☐ C. छत के नीचे टेक के लिए एक बल्ली लगा दी गई।
 - ☐ D. राम ने बाण मार कर रावण का वध कर दिया।

Question ID : 9744432908

Q.3 निम्न में से पर्याप्तबोधक क्रियाविशेषण शब्द है।

- Ans
- ☐ A. थोड़ा
 - ☐ B. फटाफट
 - ☒ C. काफी
 - ☐ D. बढ़कर

Question ID : 9744432916

Q.4 दिए गए वाक्य के लिए एक शब्द होगा।

अपनी विवाहिता पत्नी से उत्पन्न पुत्र

- Ans
- ☒ A. औरस
 - ☐ B. औदस
 - ☐ C. औरग
 - ☐ D. जारज

Question ID : 9744432917

Q.5 'दिग्गज' का संधि विच्छेद होगा।

- Ans
- ✓ A. दिक् + गज
 - ✗ B. दिः + गज
 - ✗ C. दि + ग्गज
 - ✗ D. दिग + गज

Question ID : 9744432913

Q.6 'श्यामा' का विलोम शब्द निम्न में से होगा।

- Ans
- ✗ A. हरि
 - ✗ B. काली
 - ✓ C. गौरी
 - ✗ D. दुर्गा

Question ID : 9744432911

Q.7 'वनिता' का पर्याय निम्न में से है।

- Ans
- ✓ A. स्त्री
 - ✗ B. बिजली
 - ✗ C. कविता
 - ✗ D. नदी

Question ID : 9744432904

Q.8 'पयोज' पर्याय है।

- Ans
- ✗ A. चातक का
 - ✗ B. पानी का
 - ✓ C. कमल का
 - ✗ D. बादल का

Question ID : 9744432906

Q.9 'जी पर आ बनना' मुहावरे का अर्थ है।

- Ans
- ✓ A. मुसीबत में फँस जाना
 - ✗ B. उल्टी का असर होना
 - ✗ C. दुःखी होना
 - ✗ D. विरति होना

Question ID : 9744432918



Q.10 'सरदार' किस भाषा का शब्द है।

- Ans
- ☒ A. पंजाबी
 - ☒ B. फारसी
 - ☒ C. हिंदी
 - ☒ D. तुर्की

Question ID : 9744432910

Q.11 'नकुल' का पर्याय है।

- Ans
- ☒ A. साँप
 - ☒ B. कुलीन
 - ☒ C. नेवला
 - ☒ D. नवीन

Question ID : 9744432905

Q.12 निम्न में से स्त्रीलिंग शब्द है।

- Ans
- ☒ A. धनिया
 - ☒ B. वनवास
 - ☒ C. अचकन
 - ☒ D. मुकुट

Question ID : 9744432915

Q.13 'पुरुषोत्तम' में है।

- Ans
- ☒ A. कर्मधारय तत्पुरुष समास
 - ☒ B. अधिकरण तत्पुरुष समास
 - ☒ C. सम्बंध तत्पुरुष समास
 - ☒ D. अपादान तत्पुरुष समास

Question ID : 9744432914

Q.14 निम्न में से कौन-सा विलोम युग्म असुमेलित है।

- Ans
- ☒ A. सशंक - निशंक
 - ☒ B. समृद्धि - विपत्ति
 - ☒ C. सशक्त - अशक्त
 - ☒ D. सहित - विहीन

Question ID : 9744432912

Q.15 'घूँघट' का तत्सम शब्द निम्न में से है।

Ans ☒ A. घृषण

☒ B. गुंठा

☒ C. गुंची

☒ D. गुंठन

Question ID : 9744432909



Comprehension:

दिए गए गद्यांश को पढ़ें और दिए गए प्रश्न के उत्तर दें।

द्विवेदी-युगीन गद्य का पोषण अधिकतर पत्रकारिता और निबंध-कला से हुआ है। इस युग में आकर निबंध केवल साहित्यिक शैली का निदर्शन न होकर गंभीर चिंतन का स्वतंत्र कला-माध्यम बना। उत्तरोत्तर प्रखर होती राजनैतिक चेतना जहाँ तक सीधे रूप में नियम-कानून के भीतर व्यक्त की जा सकती थी, वहाँ तक तो पत्रकारिता में उसका समावेश होता था। उससे आगे गहरे व्यंग्य और निर्भीक कटाक्ष के रूप में वह निबंध-कला में अभिव्यक्ति पाती थी। बालमुकुंद गुप्त, माधवप्रसाद मिश्र, चंद्रधर शर्मा गुलेरी, गुलाबराय, श्यामसुंदरदास इस युग के प्रमुख निबंधकार हैं। श्यामसुंदरदास की ख्याति खड़ीबोली हिंदी के आदि व्यवस्थापक के रूप में है। महावीरप्रसाद द्विवेदी यदि 'सरस्वती' पत्रिका और नये लेखन के संरक्षण-संशोधन के लिए जाने जाते हैं तो श्यामसुंदरदास विश्वविद्यालयों में हिंदी शिक्षण व्यवस्था और काशी की संस्था नागरी प्रचारिणी सभा के लिए। 'सरस्वती' का प्रकाशन 1900 से इलाहाबाद से आरम्भ हुआ, पर उसकी संपादकीय नीति का अनुमोदन नागरी प्रचारिणी सभा करती थी। नागरी प्रचारिणी सभा की स्थापना 1893 में काशी में हुई -संस्थापक थे- श्यामसुंदरदास, रामनारायण मिश्र और ठाकुर शिवकुमार सिंह। सभा के विविध कार्य-कलाप में से तीन आयोजन विशिष्ट महत्त्व और दूरगामी प्रभाव के सिद्ध हुए। हिंदी शब्द सागर, जिसकी प्रस्तावना रूप में हिंदी साहित्य का इतिहास संक्षिप्त रूप में लिखा गया और हिंदी भाषा का व्याकरण। इन योजनाओं के पीछे श्यामसुंदरदास का हाथ कहा जा सकता है। कोश, इतिहास और व्याकरण लेखन ने हिंदी को उसके स्वरूप का अभिज्ञान दिया, जिस प्रक्रिया में तीन अपने-अपने ढंग के विशिष्ट व्यक्तित्वों का उदय हुआ-कोशकार रामचंद्र वर्मा, इतिहासकार रामचंद्र शुक्ल और व्याकरण कामताप्रसाद गुरु इनके वैदुषिक कार्यकलाप के पीछे श्यामसुंदरदास की प्रेरणा वैसे ही थी जैसे मैथिलीशरण गुप्त, प्रेमचंद और निराला की रचनात्मकता के पीछे महावीरप्रसाद द्विवेदी की।

SubQuestion No : 16

Q.16 निम्न में से किसे खड़ी बोली हिंदी के आदि व्यवस्थापक के रूप में मान्यता दी जाती है।

Ans

☒ A. महावीर प्रसाद द्विवेदी को

☒ B. श्यामसुंदर दास को

☒ C. ठाकुर शिवकुमार सिंह को

Question ID : 9744432921



Teachingninja.in

Comprehension:

दिए गए गद्यांश को पढ़ें और दिए गए प्रश्न के उत्तर दें।

द्विवेदी-युगीन गद्य का पोषण अधिकतर पत्रकारिता और निबंध-कला से हुआ है। इस युग में आकर निबंध केवल साहित्यिक शैली का निदर्शन न होकर गंभीर चिंतन का स्वतंत्र कला-माध्यम बना। उत्तरोत्तर प्रखर होती राजनैतिक चेतना जहाँ तक सीधे रूप में नियम-कानून के भीतर व्यक्त की जा सकती थी, वहाँ तक तो पत्रकारिता में उसका समावेश होता था। उससे आगे गहरे व्यंग्य और निर्भीक कटाक्ष के रूप में वह निबंध-कला में अभिव्यक्ति पाती थी। बालमुकुंद गुप्त, माधवप्रसाद मिश्र, चंद्रधर शर्मा गुलेरी, गुलाबराय, श्यामसुंदरदास इस युग के प्रमुख निबंधकार हैं। श्यामसुंदरदास की ख्याति खड़ीबोली हिंदी के आदि व्यवस्थापक के रूप में है। महावीरप्रसाद द्विवेदी यदि 'सरस्वती' पत्रिका और नये लेखन के संरक्षण-संशोधन के लिए जाने जाते हैं तो श्यामसुंदरदास विश्वविद्यालयों में हिंदी शिक्षण व्यवस्था और काशी की संस्था नागरी प्रचारिणी सभा के लिए। 'सरस्वती' का प्रकाशन 1900 से इलाहाबाद से आरम्भ हुआ, पर उसकी संपादकीय नीति का अनुमोदन नागरी प्रचारिणी सभा करती थी। नागरी प्रचारिणी सभा की स्थापना 1893 में काशी में हुई -संस्थापक थे- श्यामसुंदरदास, रामनारायण मिश्र और ठाकुर शिवकुमार सिंह। सभा के विविध कार्य-कलाप में से तीन आयोजन विशिष्ट महत्त्व और दूरगामी प्रभाव के सिद्ध हुए। हिंदी शब्द सागर, जिसकी प्रस्तावना रूप में हिंदी साहित्य का इतिहास संक्षिप्त रूप में लिखा गया और हिंदी भाषा का व्याकरण। इन योजनाओं के पीछे श्यामसुंदरदास का हाथ कहा जा सकता है। कोश, इतिहास और व्याकरण लेखन ने हिंदी को उसके स्वरूप का अभिज्ञान दिया, जिस प्रक्रिया में तीन अपने-अपने दंग के विशिष्ट व्यक्तित्वों का उदय हुआ-कोशकार रामचंद्र वर्मा, इतिहासकार रामचंद्र शुक्ल और व्याकरण कामताप्रसाद गुरु इनके वैदुषिक कार्यकलाप के पीछे श्यामसुंदरदास की प्रेरणा वैसे ही थी जैसे मैथिलीशरण गुप्त, प्रेमचंद और निराला की रचनात्मकता के पीछे महावीरप्रसाद द्विवेदी की।

SubQuestion No : 17

Q.17 द्विवेदी युगीन निबंधकार निम्न में से नहीं है।

Ans

☒ A. गुलाबराय

☒ B. माधवप्रसाद मिश्र

☒ C. प्रतापनारायण मिश्र

☒ D. बालमुकुंद गुप्त

Question ID : 9744432920



Teachingninja.in

Comprehension:

दिए गए गद्यांश को पढ़ें और दिए गए प्रश्न के उत्तर दें।

द्विवेदी-युगीन गद्य का पोषण अधिकतर पत्रकारिता और निबंध-कला से हुआ है। इस युग में आकर निबंध केवल साहित्यिक शैली का निदर्शन न होकर गंभीर चिंतन का स्वतंत्र कला-माध्यम बना। उत्तरोत्तर प्रखर होती राजनैतिक चेतना जहाँ तक सीधे रूप में नियम-कानून के भीतर व्यक्त की जा सकती थी, वहाँ तक तो पत्रकारिता में उसका समावेश होता था। उससे आगे गहरे व्यंग्य और निर्भीक कटाक्ष के रूप में वह निबंध-कला में अभिव्यक्ति पाती थी। बालमुकुंद गुप्त, माधवप्रसाद मिश्र, चंद्रधर शर्मा गुलेरी, गुलाबराय, श्यामसुंदरदास इस युग के प्रमुख निबंधकार हैं। श्यामसुंदरदास की ख्याति खड़ीबोली हिंदी के आदि व्यवस्थापक के रूप में है। महावीरप्रसाद द्विवेदी यदि 'सरस्वती' पत्रिका और नये लेखन के संरक्षण-संशोधन के लिए जाने जाते हैं तो श्यामसुंदरदास विश्वविद्यालयों में हिंदी शिक्षण व्यवस्था और काशी की संस्था नागरी प्रचारिणी सभा के लिए। 'सरस्वती' का प्रकाशन 1900 से इलाहाबाद से आरम्भ हुआ, पर उसकी संपादकीय नीति का अनुमोदन नागरी प्रचारिणी सभा करती थी। नागरी प्रचारिणी सभा की स्थापना 1893 में काशी में हुई -संस्थापक थे- श्यामसुंदरदास, रामनारायण मिश्र और ठाकुर शिवकुमार सिंह। सभा के विविध कार्य-कलाप में से तीन आयोजन विशिष्ट महत्त्व और दूरगामी प्रभाव के सिद्ध हुए। हिंदी शब्द सागर, जिसकी प्रस्तावना रूप में हिंदी साहित्य का इतिहास संक्षिप्त रूप में लिखा गया और हिंदी भाषा का व्याकरण। इन योजनाओं के पीछे श्यामसुंदरदास का हाथ कहा जा सकता है। कोश, इतिहास और व्याकरण लेखन ने हिंदी को उसके स्वरूप का अभिमान दिया, जिस प्रक्रिया में तीन अपने ढंग के विशिष्ट व्यक्तित्वों का उदय हुआ-कोशकार रामचंद्र वर्मा, इतिहासकार रामचंद्र शुक्ल और व्याकरण कामताप्रसाद गुरु इनके वैदुषिक कार्यकलाप के पीछे श्यामसुंदर दास की प्रेरणा वैसे ही थी जैसे मैथिलीशरण गुप्त, प्रेमचंद और निराला की रचनात्मकता के पीछे महावीरप्रसाद द्विवेदी की।

SubQuestion No : 18

Q.18 हिंदी भाषा और नागरी लिपी के क्षेत्र में श्यामसुंदर दास का योगदान निम्न में से किस रूप में नहीं है।

Ans ☒ A.

सरस्वती पत्रिका के माध्यम से मैथिलीशरण गुप्त, प्रेमचंद और निराला की रचनात्मकता के प्रेरक बने।

☒ B.

काशी की नागरी प्रचारिणी सभा की स्थापना में महत्ती कार्य किया।

☒ C.

इन्होंने विश्वविद्यालयों में हिंदी शिक्षण के समचित विकास के लिए कार्य किया।

 D.

रामचंद्र वर्मा, रामचंद्र शुक्ल एवं कामता प्रसाद गुरु के वैदुषिक कार्य के पीछे की प्रेरणा आप थे।

Question ID : 9744432924



Teachingninja.in

Comprehension:

दिए गए गद्यांश को पढ़ें और दिए गए प्रश्न के उत्तर दें।

द्विवेदी-युगीन गद्य का पोषण अधिकतर पत्रकारिता और निबंध-कला से हुआ है। इस युग में आकर निबंध केवल साहित्यिक शैली का निदर्शन न होकर गंभीर चिंतन का स्वतंत्र कला-माध्यम बना। उत्तरोत्तर प्रखर होती राजनैतिक चेतना जहाँ तक सीधे रूप में नियम-कानून के भीतर व्यक्त की जा सकती थी, वहाँ तक तो पत्रकारिता में उसका समावेश होता था। उससे आगे गहरे व्यंग्य और निर्भीक कटाक्ष के रूप में वह निबंध-कला में अभिव्यक्ति पाती थी। बालमुकुंद गुप्त, माधवप्रसाद मिश्र, चंद्रधर शर्मा गुलेरी, गुलाबराय, श्यामसुंदरदास इस युग के प्रमुख निबंधकार हैं। श्यामसुंदरदास की ख्याति खड़ीबोली हिंदी के आदि व्यवस्थापक के रूप में है। महावीरप्रसाद द्विवेदी यदि 'सरस्वती' पत्रिका और नये लेखन के संरक्षण-संशोधन के लिए जाने जाते हैं तो श्यामसुंदरदास विश्वविद्यालयों में हिंदी शिक्षण व्यवस्था और काशी की संस्था नागरी प्रचारिणी सभा के लिए। 'सरस्वती' का प्रकाशन 1900 से इलाहाबाद से आरम्भ हुआ, पर उसकी संपादकीय नीति का अनुमोदन नागरी प्रचारिणी सभा करती थी। नागरी प्रचारिणी सभा की स्थापना 1893 में काशी में हुई -संस्थापक थे- श्यामसुंदरदास, रामनारायण मिश्र और ठाकुर शिवकुमार सिंह। सभा के विविध कार्य-कलाप में से तीन आयोजन विशिष्ट महत्त्व और दूरगामी प्रभाव के सिद्ध हुए। हिंदी शब्द सागर, जिसकी प्रस्तावना रूप में हिंदी साहित्य का इतिहास संक्षिप्त रूप में लिखा गया और हिंदी भाषा का व्याकरण। इन योजनाओं के पीछे श्यामसुंदरदास का हाथ कहा जा सकता है। कोश, इतिहास और व्याकरण लेखन ने हिंदी को उसके स्वरूप का अभिज्ञान दिया, जिस प्रक्रिया में तीन अपने ढंग के विशिष्ट व्यक्तित्वों का उदय हुआ-कोशकार रामचंद्र वर्मा, इतिहासकार रामचंद्र शुक्ल और व्याकरण कामताप्रसाद गुरु इनके वैदुषिक कार्यकलाप के पीछे श्यामसुंदर दास की प्रेरणा वैसे ही थी जैसे मैथिलीशरण गुप्त, प्रेमचंद और निराला की रचनात्मकता के पीछे महावीरप्रसाद द्विवेदी की।

SubQuestion No : 19

Q.19 द्विवेदी -युग में निबंध विधा में क्या परिवर्तन हुआ।

Ans ☒ A. निबंध में हास्य का पुट अत्यधिक बढ़ गया।

☒ B. यह गंभीर चिंतन का स्वतंत्र कला- माध्यम बना।

☒ C.

यह साहित्यिक शैली के निदर्शन के माध्यम के रूप में उभरा।

 D.

नियम-कानूनों के दायरे में रहकर राजनैतिक चेतना के प्रसार का माध्यम बना।

Question ID : 9744432923



Teachingninja.in

Comprehension:

दिए गए गद्यांश को पढ़ें और दिए गए प्रश्न के उत्तर दें।

द्विवेदी-युगीन गद्य का पोषण अधिकतर पत्रकारिता और निबंध-कला से हुआ है। इस युग में आकर निबंध केवल साहित्यिक शैली का निदर्शन न होकर गंभीर चिंतन का स्वतंत्र कला-माध्यम बना। उत्तरोत्तर प्रखर होती राजनैतिक चेतना जहाँ तक सीधे रूप में नियम-कानून के भीतर व्यक्त की जा सकती थी, वहाँ तक तो पत्रकारिता में उसका समावेश होता था। उससे आगे गहरे व्यंग्य और निर्भीक कटाक्ष के रूप में वह निबंध-कला में अभिव्यक्ति पाती थी। बालमुकुंद गुप्त, माधवप्रसाद मिश्र, चंद्रधर शर्मा गुलेरी, गुलाबराय, श्यामसुंदरदास इस युग के प्रमुख निबंधकार हैं। श्यामसुंदरदास की ख्याति खड़ीबोली हिंदी के आदि व्यवस्थापक के रूप में है। महावीरप्रसाद द्विवेदी यदि 'सरस्वती' पत्रिका और नये लेखन के संरक्षण-संशोधन के लिए जाने जाते हैं तो श्यामसुंदरदास विश्वविद्यालयों में हिंदी शिक्षण व्यवस्था और काशी की संस्था नागरी प्रचारिणी सभा के लिए। 'सरस्वती' का प्रकाशन 1900 से इलाहाबाद से आरम्भ हुआ, पर उसकी संपादकीय नीति का अनुमोदन नागरी प्रचारिणी सभा करती थी। नागरी प्रचारिणी सभा की स्थापना 1893 में काशी में हुई -संस्थापक थे- श्यामसुंदरदास, रामनारायण मिश्र और ठाकुर शिवकुमार सिंह। सभा के विविध कार्य-कलाप में से तीन आयोजन विशिष्ट महत्त्व और दूरगामी प्रभाव के सिद्ध हुए। हिंदी शब्द सागर, जिसकी प्रस्तावना रूप में हिंदी साहित्य का इतिहास संक्षिप्त रूप में लिखा गया और हिंदी भाषा का व्याकरण। इन योजनाओं के पीछे श्यामसुंदरदास का हाथ कहा जा सकता है। कोश, इतिहास और व्याकरण लेखन ने हिंदी को उसके स्वरूप का अभिज्ञान दिया, जिस प्रक्रिया में तीन अपने ढंग के विशिष्ट व्यक्तित्वों का उदय हुआ-कोशकार रामचंद्र वर्मा, इतिहासकार रामचंद्र शुक्ल और व्याकरण कामताप्रसाद गुरु इनके वैदुषिक कार्यकलाप के पीछे श्यामसुंदर दास की प्रेरणा वैसे ही थी जैसे मैथिलीशरण गुप्त, प्रेमचंद और निराला की रचनात्मकता के पीछे महावीरप्रसाद द्विवेदी की।

SubQuestion No : 20

Q.20 नागरी प्रचारिणी सभा के संदर्भ में असत्य है।

Ans ☒ A.

सरस्वती पत्रिका की संपादकीय नीति का अनुमोदन इसी के द्वारा होता था।

☒ B. नागरी प्रचारिणी सभा की स्थापना 1893 में काशी में हुई।

☒ C.

सभा ने हिंदी शब्द सागर, हिंदी साहित्य का इतिहास तथा हिंदी भाषा का व्याकरण प्रकाशित किया।

✓ D.

संस्थापक मण्डल में श्यामसुंदरदास, आचार्य शुक्ल तथा रामनारायण मिश्र थे।

Question ID : 9744432922

Section : Discipline1

Q.1 Which of the following registers of a CPU stores the address of the next instruction to be executed?

- Ans
- ✗ A. MAR
 - ✓ B. PC
 - ✗ C. AC
 - ✗ D. IR

Question ID : 9744432943

Q.2 In which of the following data transfer modes does the CPU constantly monitor the peripheral and stay in a program loop until the peripheral device becomes ready for data transfer?

- Ans
- ✗ A. Direct Register Access (DRA) mode
 - ✗ B. Interrupt initiated I/O mode
 - ✓ C. Programmed I/O mode
 - ✗ D. Direct Memory Access (DMA) mode

Question ID : 9744432932

Q.3 Which of the following statements is/are true about buffering of the operating systems?

- (i) A buffer is a special register.
- (ii) One reason of buffering is to come with speed mismatch between the producer and consumer of the data stream.

- Ans
- ✗ A. Neither (i) nor (ii)
 - ✗ B. Only (i)
 - ✗ C. Both (i) and (ii)
 - ✓ D. Only (ii)

Question ID : 9744432941

Q.4 What is the full form of the PCB that is used to store information of a process?

- Ans
- ✓ A. Process Control Block
 - ✗ B. Process Connection Basic
 - ✗ C. Program Control Base
 - ✗ D. Program Completion Block

Question ID : 9744432942

Q.5 What is buffer in operating systems?

- Ans
- ☒ A. It is a memory area.
 - ☐ B. It is ROM.
 - ☐ C. It is a secondary storage area.
 - ☐ D. It is a special register.

Question ID : 9744432939

Q.6 Which of the following is a correct statement about RAM?

- Ans
- ☐ A. Its speed is greater than Cache memory.
 - ☒ B. It can be directly accessed by the CPU.
 - ☐ C. It stands for Read Access Memory.
 - ☐ D. It is a non-volatile memory.

Question ID : 9744432927

Q.7 Which of the following statements about programmed I/O mode of data transfer between CPU and I/O devices is correct?

- Ans
- ☐ A. The programmed I/O mode of data transfer is faster than interrupt mode of data transfer.
 - ☐ B. In this mode, the data transfer is initiated by the interrupt signal issued to the CPU.
 - ☒ C. In this mode, there is wastage of the CPU cycles.
 - ☐ D. In this mode, the CPU can do other works when I/O devices are not ready for data transfer.

Question ID : 9744432933

Q.8 A cell of the SRAM is made with _____.

- Ans
- ☐ A. capacitors
 - ☐ B. magnetic core
 - ☐ C. magnetic dipoles
 - ☒ D. flip-flops

Question ID : 9744432929

Q.9 Which of the following statements about spooling of I/O device management is INCORRECT?

- Ans
- ☐ A. A spool may hold output for printer.
 - ☐ B. When an application finishes the printing, the spooling system queues the corresponding spool file for output.
 - ☒ C. The output of all applications is spooled to the same disk file.
 - ☐ D. Spool is a buffer.

Question ID : 9744432940

Q.10 Which of the following statements about OS/2 operating system is correct?

- Ans**
- ☒ A. MS-DOS is a descendent of OS/2.
 - ☒ B. It was implemented to be more layered than MS-DOS.
 - ☐ C. It is single tasking operating system.
 - ☐ D. It allows direct user access to hardware.

Question ID : 9744432936

Q.11 If there are three I/O devices A, B, and C such that A is connected to B; B connected to C, and C connected to the computer, then this arrangement is called _____.

- Ans**
- ☒ A. Daisy chain
 - ☐ B. parallel connection
 - ☐ C. linked connection
 - ☐ D. star connection

Question ID : 9744432938

Q.12 Which of the following statements is/are true about microkernel?

- (i) This method reduces the size of the kernel.
- (ii) This approach was used to develop the Mach operating system at Carnegie Mellon University.

- Ans**
- ☐ A. Only (i)
 - ☒ B. Both (i) and (ii)
 - ☐ C. Neither (i) nor (ii)
 - ☐ D. Only (ii)

Question ID : 9744432937

Q.13 Which of the following data transfer modes between CPU and I/O devices has the data transfer initiated by the instruction of a computer program executed by the CPU?

- Ans**
- ☐ A. Interrupt initiated I/O mode
 - ☐ B. Direct Memory Access (DMA) mode
 - ☐ C. Direct Register Access (DRA) mode
 - ☒ D. Programmed I/O mode

Question ID : 9744432931

Q.14 The MICR technique is used to print the branch code on a cheque. What is the full form of MICR?

- Ans**
- ☐ A. Magnetic Important Code Reader
 - ☐ B. Magnetic Ink Code Reader
 - ☐ C. Main Ink Code Reader
 - ☒ D. Magnetic Ink Character Recognition

Question ID : 9744432925

Q.15 Which of the following statements is/are true about components of CPU?

- (i) A CPU has only 2 components.
- (ii) Control Unit is a CPU's component.

Ans ☒ A. Only (i)
☒ B. Only (ii)
☒ C. Neither (i) nor (ii)
☒ D. Both (i) and (ii)

Question ID : 9744432928

Q.16 Which of the following statements about DRAM memory is correct?

Ans ☒ A. It stands for Data Random Access Memory.
☒ B. It does not require refreshing.
☒ C. Its cells are usually made with capacitors.
☒ D. It is faster than SRAM.

Question ID : 9744432930

Q.17 Which of the following methods is used to pass the parameters in system calls of Linux operating system?

Ans ☒ A. By using registers
☒ B. By using Queue
☒ C. By using block or table
☒ D. By using Stack

Question ID : 9744432934

Q.18 When a program is terminated abnormally, it is called _____.

Ans ☒ A. Terminate
☒ B. Abort
☒ C. End
☒ D. Stop

Question ID : 9744432935

Q.19 Which of the following is NOT a pointing input device?

Ans ☒ A. Touchpad
☒ B. Trackball
☒ C. Mouse
☒ D. Scanner

Question ID : 9744432926

Q.20 Which of the following statements is/are true about process states?

- (i) A running process moves to ready state when it is interrupted.
- (ii) A process moves to waiting state when it has completed its execution.

Ans ☒ A. Neither (i) nor (ii)
☒ B. Only (ii)
☒ C. Only (i)
☒ D. Both (i) and (ii)

Question ID : 9744432944

Section : Discipline2

Q.1 How many variables are used in Peterson's algorithm for synchronisation of two processes?

Ans ☒ A. 4
☒ B. 1
☒ C. 3
☒ D. 2

Question ID : 9744432949

Q.2 Which of the following statements is correct about file naming in MS-DOS operating system?

Ans ☒ A. The file name may contain a maximum of 10 characters.
☒ B. File name and file extension are separated by @ symbol.
☒ C. The file extension indicates the type of file.
☒ D. The file extension may contain a maximum of 5 characters.

Question ID : 9744432960

Q.3 In which of the following type of computers do the programs and data often reside in a different memory system?

Ans ☒ A. Stored program computers
☒ B. CISC computers
☒ C. Embedded computers
☒ D. RISC computers

Question ID : 9744432961

Q.4 Which of the following statements is correct about dynamic loading of the process?

Ans ☒ A. It results in worst memory utilisation.
☒ B.
 In this case, a routine is loaded in the memory when it is called.
☒ C.
 In this case, the size of the process cannot exceed the size of the physical memory.
☒ D.
 In this case, an unused routine may be loaded in the memory.

Q.5 Let there be four processes P1, P2, P3, P4 whose CPU burst times are 6, 8, 7, 3 ms, respectively, and they arrive at time 0. Which of the following is the average waiting time and order of the process scheduling under the shortest-job-first scheduling?

Ans ☒ A.

Average Waiting time = 3 ms; Process order: P2, P4, P3, P1

☒ B.

Average Waiting time = 7 ms; Process order: P4, P1, P3, P2

☒ C.

Average Waiting time = 7 ms; Process order: P1, P4, P3, P2

☒ D.

Average Waiting time = 9.5 ms; Process order: P2, P4, P3, P1

Question ID : 9744432948

Q.6 How many page faults occur for first-in first-out page replacement algorithm for the following reference string when there are 3 frames?

7, 0, 1, 0, 2, 7, 1, 0, 1, 2

Ans ☒ A. 5

☒ B. 7

☒ C. 8

☒ D. 10

Question ID : 9744432958

Q.7 Which of the following hardware is used for run-time mapping from virtual to physical addresses?

Ans ☒ A. Loader

☒ B. Linker

☒ C. Multiplexer

☒ D. Memory management unit

Question ID : 9744432954

Q.8 Which of the following algorithms is used to solve the critical section problem for n process?

Ans ☒ A. Peterson's algorithm

☒ B. Moore algorithm

☒ C. Bakery algorithm

☒ D. Banker's algorithm

Question ID : 9744432950

Q.9 Which of the following addressing modes does NOT store the operand in the memory?

Ans ☒ A. Register indirect mode

☒ B. Memory indirect mode

☒ C. Relative address mode

☒ D. Implied mode

Question ID : 9744432963

Q.10 Which of the following statements is correct about Peterson's algorithm for process synchronisation?

Ans ☒ A.

If flag[i] is true, then process P_i is ready to enter the critical section.

☒ B.

It uses one bool type array of size 3 bool flag [3] and int variable turn.

☒ C.

It fails when two processes want to enter the critical section at the same time.

☒ D. It works for 3 processes only.

Question ID : 9744432951

Q.11 Which of the following statements is INCORRECT about memory protection?

Ans ☒ A.

The limit register contains the range of the logical addresses.

☒ B.

The relocation register contains the largest physical address.

☒ C.

This protection can be provided by using a relocation register along with a limit register.

☒ D.

It is used to protect the operating system from users' processes.

Question ID : 9744432957

Q.12 Which of the following addressing modes stores the operand in the instruction?

Ans ☒ A. Register mode

☒ B. Immediate mode

☒ C. Memory direct mode

☒ D. Implied mode

Question ID : 9744432962

Q.13 Which of the following statements is/are true about readers-writers synchronisation problem?

(i) If two readers access the shared data simultaneously, it may face problems.

(ii) It cannot be solved using semaphores.

Ans ☒ A. Only (ii)

☒ B. Only (i)

☒ C. Neither (i) nor (ii)

☒ D. Both (i) and (ii)

Question ID : 9744432953

Q.14 _____ is a sequence of bytes organised into blocks that is understood by system's linker.

Ans ☒ A. A text

☒ B. A source

☒ C. An object

☒ D. An executable

Question ID : 9744432959

Q.15 Which of the following type of operating systems does not need CPU scheduling?

- Ans
- ☐ A. Single-User Multi-Tasking operating systems
 - ☐ B. Time-Sharing operating system
 - ☒ C. Single-User Single-Tasking operating systems
 - ☐ D. Multi-Tasking operating systems

Question ID : 9744432945

Q.16 Which of the following statements is/are true about Semaphores in operating systems?

- (i) It is an integer variable that can be accessed only through two functions wait() and signal().
- (ii) It can be used to deal with the n-process critical section problem.

- Ans
- ☐ A. Only (ii)
 - ☐ B. Neither (i) nor (ii)
 - ☒ C. Both (i) and (ii)
 - ☐ D. Only (i)

Question ID : 9744432952

Q.17 Which of the following statements is/are true about preemptive type process scheduling in an operating system?

- (i) In preemptive scheduling, the utilisation of CPU is low.
- (ii) Shortest Job First process scheduling is an example of preemptive scheduling.

- Ans
- ☐ A. Both (i) and (ii)
 - ☐ B. Only (i)
 - ☒ C. Neither (i) nor (ii)
 - ☐ D. Only (ii)

Question ID : 9744432947

Q.18 Which of the following operating systems uses the non-preemptive type of process scheduling?

- Ans
- ☒ A. Microsoft Windows 3.1
 - ☐ B. Linux
 - ☐ C. Microsoft Windows NT
 - ☐ D. Unix

Question ID : 9744432946

Q.19 Belady's anomaly is related to _____ function of the operating system.

- Ans
- ☐ A. process synchronisation
 - ☐ B. deadlock
 - ☒ C. page replacement
 - ☐ D. process scheduling

Question ID : 9744432955

Q.20 What happens when branch instruction "BR ADR" is executed?

- Ans
- ☐ A. It transfers the value of ADR into MAR.
 - ☐ B. It transfers the value of ADR into IR.
 - ☐ C. It transfers the value of ADR into AC.
 - ☒ D. It transfers the value of ADR into PC.

Question ID : 9744432964

Section : Discipline3

Q.1 Which of the following statements is correct about binary number that is equivalent to decimal number 780?

- Ans
- ☐ A. It has 9 bits.
 - ☒ B. It has six 0's.
 - ☐ C. Its 2nd bit from the right is 1.
 - ☐ D. It has five 1's.

Question ID : 9744432981

Q.2 Which of the following is the 2's complement of the binary number 0101010100?

- Ans
- ☐ A. 1010101010
 - ☐ B. 1010101011
 - ☐ C. 1110101100
 - ☒ D. 1010101100

Question ID : 9744432965

Q.3 Which of the following is the least significant digit of the hexa-decimal number that is equivalent to decimal number 780?

- Ans
- ☒ A. C
 - ☐ B. 3
 - ☐ C. 0
 - ☐ D. B

Question ID : 9744432979

Q.4 Which of the following statements is correct about "MOV A, B" instruction of the 8085?

- Ans
- ☒ A. Its addressing mode is "Register address mode".
 - ☐ B. Its operation code is 11.
 - ☐ C. Its right most 7 bit represents the operand B.
 - ☐ D. It is a 2 byte instruction.

Question ID : 9744432972

Q.5 Which of the following statements is INCORRECT about "ADD B" instruction of the 8085?

- Ans
- ☒ A. Its code in hexa-decimal is 80H.
 - ☒ B. Its operand is B whose code is 101.
 - ☒ C. It is used to add the content of register B to Accumulator.
 - ☒ D. It uses the "register" addressing mode.

Question ID : 9744432973

Q.6 Which of the following is a user defined token in 8080/8085 assembly language?

- Ans
- ☒ A. ABC
 - ☒ B. SP
 - ☒ C. A
 - ☒ D. PSW

Question ID : 9744432976

Q.7 Which of the following is the result of $(-13)_5 + (34)_5$, when it is performed using 5's complement?

- Ans
- ☒ A. $(-11)_{10}$
 - ☒ B. $(21)_{10}$
 - ☒ C. $(21)_5$
 - ☒ D. $(21)_8$

Question ID : 9744432970

Q.8 How many bits should there be in a binary number that is equivalent to decimal number 780?

- Ans
- ☒ A. 9
 - ☒ B. 10
 - ☒ C. 11
 - ☒ D. 8

Question ID : 9744432978

Q.9 Which of the following statements is INCORRECT about END directive of the 8080/8085 assembly language?

- Ans
- ☒ A. In an assembly program, there may be more than one END directive.
 - ☒ B. It specifies the end of the assembly program.
 - ☒ C. If END directive exists without expression operand, then assembler assumes zero as the starting address for program execution.
 - ☒ D. END directive may have optional expression operand.

Question ID : 9744432977

Q.10 Which of the following statements is INCORRECT about BCD adder?

Ans ☒ A.

Its output should be a decimal digit that need not be in BCD.

☒ B. It is a used to add two decimal digits in BCD.

☒ C. It has 5 output lines.

☒ D. It has 9 input lines.

Question ID : 9744432969

Q.11 Which of the following is the 4's complement of $(1011)_5$ that is in base 5 number system?

Ans ☒ A. $(8988)_5$

☒ B. $(4544)_5$

☒ C. $(0100)_5$

☒ D. $(3433)_5$

Question ID : 9744432966

Q.12 Which of the following is a combinational circuit?

Ans ☒ A. Decoder

☒ B. Binary counter

☒ C. Flip flop

☒ D. Register

Question ID : 9744432983

Q.13 Which of the following is the operation of the ADI instruction of the 8085?

Ans ☒ A. Add register data to Program Counter (PC).

☒ B. Add immediate 8 bits data to accumulator.

☒ C. Add register data to accumulator.

☒ D. Add immediate 8 bits data to Program Counter (PC).

Question ID : 9744432971

Q.14 Which of the following floating point numbers is represented by the 0 1000 0011 1001 0100 0000 0000 000 in IEEE 754 standard?

Ans ☒ A. 15.5

☒ B. 75.25

☒ C. 25.25

☒ D. 165.25

Question ID : 9744432968

Q.15 How many bits are there for exponent in IEEE754 single precision floating point representation?

- Ans** ☒ A. 8
☒ B. 7
☒ C. 16
☒ D. 11

Question ID : 9744432967

Q.16 Which of the following is the Boolean function for carry (C) of the half-adder with inputs x and y?

- Ans** ☒ A. $C = xy$
☒ B. $C = x + y$
☒ C. $C = x \oplus y$
☒ D. $C = xy'$

Question ID : 9744432984

Q.17 Which of the following symbols is used to write a comment in assembly program?

- Ans** ☒ A. %
☒ B. \$
☒ C. ;
☒ D. @

Question ID : 9744432975

Q.18 Which of the following statements is correct about BCD code of decimal number 85?

- Ans** ☒ A. It has three 1's.
☒ B. Its most significant is 0.
☒ C. It has six 0's.
☒ D. It has 9 bits.

Question ID : 9744432980

Q.19 Which of the following statements is/are true about "MVI A, 32H" instruction of the 8085?

- (i) It is a 2-byte instruction.
 (ii) It moves the hexadecimal data 32H in the accumulator.

- Ans** ☒ A. Neither (i) nor (ii)
☒ B. Only (ii)
☒ C. Only (i)
☒ D. Both (i) and (ii)

Question ID : 9744432974

Q.20 Which of the following statements is/are true about Excess-3 code of the decimal number 85?

- (i) It has five 1's.
- (ii) Its least significant bit is 1.

Ans ☒ A. Only (ii)
☒ B. Only (i)
☒ C. Neither (i) nor (ii)
☒ D. Both (i) and (ii)

Question ID : 9744432982

Section : Discipline4

Q.1 An event-driven program is a program in which the flow of control of the program depends upon the _____.

Ans ☒ A. sequence of statements
☒ B. control statements
☒ C. occurrence of external events
☒ D. order of calling of functions

Question ID : 9744433002

Q.2 How many selection lines will there be in an 8×1 multiplexer?

Ans ☒ A. 3
☒ B. 1
☒ C. 8
☒ D. 2

Question ID : 9744432987

Q.3 Which of the following is/are desirable properties in modular programming?

Ans ☒ A. High coupling and low cohesion
☒ B. Low coupling and high cohesion
☒ C. High coupling and high cohesion
☒ D. Low coupling and low cohesion

Question ID : 9744433001

Q.4 Which of the following statements is INCORRECT about event-loop in an event-driven programming?

Ans ☒ A. It performs two functions in a continuous loop.
☒ B. Its event-detection function detects the happening of an event.
☒ C. Its event-handler function executes the corresponding function associated with that event.
☒ D. It is a looping statement that is used to generate the same events repeatedly.

Question ID : 9744433004

Q.5 How many flip-flops are needed in the design of a sequential circuit that has 3 states?

- Ans
- ☒ A. 3
 - ☒ B. 1
 - ☒ C. 2
 - ☒ D. 4

Question ID : 9744432995

Q.6 Which of the following flip-flops has indeterminate condition (i.e. the output is unpredictable)?

- Ans
- ☒ A. T flip-flop
 - ☒ B. Master slave JK flip-flop
 - ☒ C. RS flip-flop
 - ☒ D. JK flip-flop

Question ID : 9744432990

Q.7 Which of the following is an inter-module concept which is an indication of the relationships between modules?

- Ans
- ☒ A. Cohesion
 - ☒ B. Both coupling and cohesion
 - ☒ C. Coupling
 - ☒ D. Neither coupling nor cohesion

Question ID : 9744432998

Q.8 Which of the following statements is correct about D flip-flop?

- Ans
- ☒ A. It retains the value of the flip-flop (i.e. $Q_{t+1} = Q_t$) by applying $D = 0$.
 - ☒ B. It sets the flip-flop (i.e. stores 1) by applying $D = 0$.
 - ☒ C. It is obtained from RS flip-flop.
 - ☒ D. It clears the flip-flop (i.e. stores 0) by applying $D = 1$.

Question ID : 9744432992

Q.9 Which of the following is/are advantages of modular programming?

- (i) Easier to test
- (ii) Reusability

- Ans
- ☒ A. Only (ii)
 - ☒ B. Neither (i) nor (ii)
 - ☒ C. Both (i) and (ii)
 - ☒ D. Only (i)

Question ID : 9744433000

Q.10 Which of the following is/are modular programming languages?

(i) C++

(ii) Java

Ans ☒ A. Only (ii)

☒ B. Both (i) and (ii)

☒ C. Only (i)

☒ D. Neither (i) nor (ii)

Question ID : 9744432999

Q.11 Which of the following statements is/are true about Half-Subtractor?

(i) $D = x \oplus y$, where D is difference, and x, y are inputs.

(ii) $B = xy$, where B is borrow, and x, y are inputs.

Ans ☒ A. Neither (i) nor (ii)

☒ B. Only (i)

☒ C. Only (ii)

☒ D. Both (i) and (ii)

Question ID : 9744432986

Q.12 Which of the following is a sequential circuit?

Ans ☒ A. Full-Adder

☒ B. Binary ripple counter

☒ C. Decoder

☒ D. Multiplexer

Question ID : 9744432994

Q.13 Which of the following refers to as a software design technique that focuses on separating the program functionality into independent, interchangeable methods/modules?

Ans ☒ A. Functional programming

☒ B. Low-level programming

☒ C. Scripting

☒ D. Modular programming

Question ID : 9744432997

Q.14 Which type of multiplexer has 5 selection lines?

Ans ☒ A. 1×5 MUX

☒ B. 32×1 MUX

☒ C. 32×5 MUX

☒ D. 5×1 MUX

Q.15 A clocked sequential circuit is to be designed (using D flip-flops) that goes through sequence of repeated binary states 00, 01, 10, and 11 when value of external input $x = 1$. The state of the circuit remains unchanged when $x = 0$.

Which statement is correct about the design of this circuit?

Ans ☒ A.

The input of the left-most flip flop (corresponding to most significant bit of the state) does not depend on external input x .

☒ B. It has one external output.

☒ C.

The input of the right-most flip flop (corresponding to least significant bit of the state) depends on external input x .

☒ D. It requires 3 flip-flops.

Question ID : 9744432996

Q.16 Which of the following statements is INCORRECT about 8×1 multiplexer?

Ans ☒ A. It has 8 input lines.

☒ B.

It receives binary information from one of 8 input lines and sends it to output line.

☒ C. It has only one output line.

☒ D. It has 2 selection lines.

Question ID : 9744432989

Q.17 Which of the following inputs of JK flip-flop clear it (i.e. stores 0)?

Ans ☒ A. $J = 1, K = 1$

☒ B. $J = 0, K = 1$

☒ C. $J = 1, K = 0$

☒ D. $J = 0, K = 0$

Question ID : 9744432991

Q.18 Which of the following statements is/are true about flip-flop?

(i) It is a combinational circuit.

(ii) It is a memory cell capable of storing one bit of information.

Ans ☒ A. Both (i) and (ii)

☒ B. Only (ii)

☒ C. Neither (i) nor (ii)

☒ D. Only (i)

Question ID : 9744432993

Q.19 Which of the following statements is INCORRECT about event in an event-driven programming?

Ans ☒ A. It is piece of data that may be consumed by consumers.

☒ B. An event does not occur when a key is pressed.

☒ C. It is piece of data sent by producers.

☒ D. An event occurs when the left mouse button is clicked.

Question ID : 9744433003

Q.20 Which of the following statements is correct about 2 to 4 decoder?

Ans ☒ A. It has 2 inputs, 2 enable lines, and 4 outputs.

☒ B.

When the decoder is enabled, one of its outputs will be active (i.e. 1) based on the values of its inputs.

☒ C.

When the decoder is disabled, its two outputs will be active (i.e. 1).

☒ D.

It can be implemented by using four AND gates having two inputs each and two inverters (NOT gates).

Question ID : 9744432985

Section : Discipline5

Q.1 Which of the following is the output of the following C++ code segment in Dev C++ under Windows 10 operating system?

```
class A { int a=10, b=20;
    A(int a, int b) {a=30; b=40;}
    public: A() { A x(50, 60);
        cout<<"a="<<a<<" b="<<b;
    }
};

int main() {A y;}
```

Ans ☒ A. a=30 b=40

☒ B. a=50 b=60

☒ C. a=10 b=60

☒ D. a=10 b=20

Question ID : 9744433019

Q.2 Which of the following type of constructors (in C++) does NOT accept parameters?

Ans ☒ A. Parameterised constructor

☒ B. Copy constructor

☒ C. Default constructor

☒ D. Dynamic constructor

Question ID : 9744433016

Q.3 Which of the following is used to represent a derived attribute?

Ans ☒ A. Solid-line oval

☒ B. Dashed-line oval

☒ C. Double-lined rectangle

☒ D. Double-lined diamond

Question ID : 9744433024

Q.4 Which of the following features of object-oriented programming is used to secure the data?

- Ans
- ☒ A. Inheritance
 - ☒ B. Encapsulation
 - ☒ C. Polymorphism
 - ☒ D. Function overloading

Question ID : 9744433020

Q.5 Which of the following is a non-emissive display device?

- Ans
- ☒ A. CRT monitor
 - ☒ B. LED display device
 - ☒ C. LCD display device
 - ☒ D. Plasma panel display device

Question ID : 9744433009

Q.6 Which of the following statements is/are true about polymorphism in OOPs?

- (i) It may be achieved by function overloading.
- (ii) It is used for reusability.

- Ans
- ☒ A. Both (i) and (ii)
 - ☒ B. Only (ii)
 - ☒ C. Neither (i) nor (ii)
 - ☒ D. Only (i)

Question ID : 9744433022

Q.7 Which of the following functions should be the destructor function for user defined class Person in C++?

- Ans
- ☒ A. ~Person(string s)
 - ☒ B. Person()
 - ☒ C. Person(string s)
 - ☒ D. ~Person()

Question ID : 9744433017

Q.8 Which of the following is NOT a blending function of a quadratic Bezier curve?

- Ans
- ☒ A. $(1 - u)^2$
 - ☒ B. u^2
 - ☒ C. $3u(1 - u)$
 - ☒ D. $2u(1 - u)$

Question ID : 9744433011

Q.9 In C++, the "+" operator is overloaded (as member operator function) in user defined class Matrix that adds two matrices and returns resultant matrix.

Which of the following is a signature of this operator function?

- Ans**
- ☒ A. Matrix operator + (Matrix A, Matrix B)
 - ☒ B. Matrix operator + (Matrix B)
 - ☒ C. Matrix + operator (Matrix A, Matrix B)
 - ☒ D. Void + operator (Matrix B)

Question ID : 9744433007

Q.10 Which of the following statements is/are true about parameters passing by value in visual basic?

- (i) This is the default mechanism for passing parameters to a function/sub.
- (ii) The By Value keyword may be used to pass parameters by value.

- Ans**
- ☒ A. Neither (i) nor (ii)
 - ☒ B. Only (ii)
 - ☒ C. Only (i)
 - ☒ D. Both (i) and (ii)

Question ID : 9744433015

Q.11 Which of the following statements is INCORRECT about copy constructor in C++?

- Ans**
- ☒ A. It accepts objects of the same class as a reference.
 - ☒ B. It is member function of a class.
 - ☒ C. It is the constructor that does not accept parameters.
 - ☒ D. It is used to initialise the object by another object.

Question ID : 9744433018

Q.12 Which of the following control of visual basics is used to create a command button?

- Ans**
- ☒ A. Label
 - ☒ B. Button
 - ☒ C. CheckBox
 - ☒ D. RadioButton

Question ID : 9744433012

Q.13 Which of the following statements is/are true about event-handler in an event-driven programming?

- (i) It is a call back routine.
- (ii) It operates asynchronously.

- Ans**
- ☒ A. Neither (i) nor (ii)
 - ☒ B. Both (i) and (ii)
 - ☒ C. Only (ii)
 - ☒ D. Only (i)

Q.14 The cout is a predefined object of _____ class.

- Ans
- ☒ A. foutstream
 - ☒ B. outstream
 - ☒ C. ostream
 - ☒ D. istream

Question ID : 9744433006

Q.15 Which of the following statements is INCORRECT about sub-routine corresponding to click event of the "cmdOK" button in visual basic?

- Ans
- ☒ A. The first argument is "sender As Object".
 - ☒ B. It has two arguments.
 - ☒ C. The second argument is "e As EventArgs".
 - ☒ D. The name of this sub-routine should be cmdOKClick.

Question ID : 9744433014

Q.16 What may be achieved by the inheritance feature of object-oriented programming?

- Ans
- ☒ A. Reusability
 - ☒ B. Security
 - ☒ C. Abstraction
 - ☒ D. Robustness

Question ID : 9744433021

Q.17 Which of the following is a composite attribute?

- Ans
- ☒ A. Date-of-birth
 - ☒ B. Grade
 - ☒ C. Age
 - ☒ D. City

Question ID : 9744433023

Q.18 Which of the following controls is more suitable to accept gender value of a person in visual basic application?

- Ans
- ☒ A. Button
 - ☒ B. TextBox
 - ☒ C. CheckBox
 - ☒ D. RadioButton

Question ID : 9744433013

Q.19 Which of the following statements is correct about generated pixels of line segment (20, 10) to (25, 14) using Bresenham's line drawing algorithm?

- Ans** ☒ A. The initial value of the decision variable $d = 6$.
☒ B. There should be a total of seven pixels including both end points.
☒ C. There should be a total of five pixels including both end points.
☒ D. The pixel (23, 12) should generated by this algorithm for this line segment.

Question ID : 9744433010

Q.20 Which of the following is the output of the following C++ code segment in Dev C++ under Windows 10 operating system?

```
int sum(int a, int b=10, int c=20)
{ return a+b+c;}
int main() {
    cout<<sum(20,30);
}
```

- Ans** ☒ A. 80
☒ B. 60
☒ C. 70
☒ D. 50

Question ID : 9744433008

Section : Discipline6

Q.1 Which of the following focuses on actual storage and organisation of data on disk blocks?

- Ans** ☒ A. Physical schema
☒ B. Conceptual schema
☒ C. Both external and conceptual schema
☒ D. External schema

Question ID : 9744433029

Q.2 Which of the following is NOT a valid Relational Algebra operator?

- Ans** ☒ A. Intersection
☒ B. Multiplication
☒ C. Minus or Set Difference
☒ D. Join

Question ID : 9744433027

Q.3 With respect to e-commerce, what is the full form of EFT?

- Ans
- ☐ A. Electronic Fund Transmission
 - ☐ B. Elevated Fund Transfer
 - ☐ C. Elevated Fund Transmission
 - ☒ D. Electronic Fund Transfer

Question ID : 9744433033

Q.4 JavaScript files have the file extension _____.

- Ans
- ☐ A. .jscript
 - ☐ B. .javascript
 - ☒ C. .js
 - ☐ D. .jst

Question ID : 9744433041

Q.5 With respect to e-commerce, what is the full form of EDI?

- Ans
- ☐ A. Electronic Data Interference
 - ☒ B. Electronic Data Interchange
 - ☐ C. Electric Data Interchange
 - ☐ D. Electronic Data Inference

Question ID : 9744433032

Q.6 Which of the following statements about HTML Attributes is FALSE?

- Ans
- ☐ A. Attributes usually come in name/value pairs like: name="value".
 - ☒ B. All HTML elements cannot have attributes.
 - ☐ C. Attributes are always specified in the start tag.
 - ☐ D. Attributes provide additional information about elements.

Question ID : 9744433036

Q.7 Which of the following statements about JavaScript is FALSE?

- Ans
- ☐ A. JavaScript can show HTML elements.
 - ☒ B. JavaScript cannot change HTML styles (CSS).
 - ☐ C. JavaScript can hide HTML elements.
 - ☐ D. JavaScript can change HTML attribute values.

Question ID : 9744433042

Q.8 Which of the following is NOT an advantage of e-commerce?

- Ans
- ☐ A. 24×7 availability
 - ☐ B. Reduced paperwork
 - ☐ C. Reduced cost
 - ☒ D. User resistance

Question ID : 9744433034

Q.9 Which of the following is a time-based multimedia authoring tool?

- Ans
- ☐ A. Supercard
 - ☐ B. PowerPoint
 - ☒ C. Macromedia Flash
 - ☐ D. Authorware

Question ID : 9744433044

Q.10 Which of the following Relational Algebra operators is unary?

- Ans
- ☐ A. Right outer join
 - ☐ B. Natural join
 - ☒ C. Selection
 - ☐ D. Left outer join

Question ID : 9744433028

Q.11 Which of the following statements related to business computing is/are true?

- (i) A website following the B2B business model sells its products to an intermediate buyer who then sells the product to the final customer.
- (ii) A website following the C2C business model helps consumers to sell their assets like residential property, cars, motorcycles, etc.

- Ans
- ☐ A. Neither (i) nor (ii)
 - ☐ B. Only (i)
 - ☐ C. Only (ii)
 - ☒ D. Both (i) and (ii)

Question ID : 9744433035

Q.12 Which of the following defines entity integrity constraint?

- Ans
- ☐ A. The value of non-prime attribute cannot be null.
 - ☐ B. The value of prime attribute cannot be null.
 - ☐ C. The value of foreign key cannot be null.
 - ☒ D. The value of primary key cannot be null.

Question ID : 9744433030

Q.13 Which of the following HTML tags is used to embed an image in an HTML page?

- Ans**
- ☒ A. <pic>
 - ☒ B.
 - ☒ C. <href>
 - ☒ D. <url>

Question ID : 9744433037

Q.14 Which of the following statements related to business computing is/are true?

- (i) You can place only five scripts in an HTML document.
- (ii) JavaScripts can be placed in the <body>, or in the <head> section of an HTML page, or in both.

- Ans**
- ☒ A. Only (ii)
 - ☒ B. Both (i) and (ii)
 - ☒ C. Only (i)
 - ☒ D. Neither (i) nor (ii)

Question ID : 9744433043

Q.15 Consider a database relation Employee (SSN, Name). What is the highest normal form satisfied by the Employee relation?

- Ans**
- ☒ A. BCNF
 - ☒ B. 3 NF
 - ☒ C. 1 NF
 - ☒ D. 2 NF

Question ID : 9744433026

Q.16 An attribute which is a part of any candidate key is known as _____ attribute.

- Ans**
- ☒ A. atomic
 - ☒ B. single-valued
 - ☒ C. non-prime
 - ☒ D. prime

Question ID : 9744433025

Q.17 Which of the following statements related to business computing is/are true?

- (i) The HTML style attribute is used to add styles to an element, such as colour, font, size, and more.
- (ii) HTML colours are specified with predefined colour names, or with RGB, HEX, HSL, RGBA, or HSLA values.

- Ans**
- ☒ A. Neither (i) nor (ii)
 - ☒ B. Only (i)
 - ☒ C. Only (ii)
 - ☒ D. Both (i) and (ii)

Question ID : 9744433039

Q.18 Which of the following statements about tag is NOT correct?

- Ans
- ☒ A. The tag may contain the width attribute.
 - ☒ B. The tag may contain the height attribute.
 - ☒ C. The tag may contain both width and height attributes.
 - ☒ D. The tag cannot contain either width attribute or height attribute.

Question ID : 9744433038

Q.19 Which of the following statements about JavaScript is true?

- Ans
- ☒ A. JavaScript accepts both double and single quotes.
 - ☒ B. JavaScript accepts only single quotes.
 - ☒ C. JavaScript accepts only double quotes.
 - ☒ D. JavaScript accepts neither double nor single quotes.

Question ID : 9744433040

Q.20 Consider the relation schema R(A, B, C, D) and a set of functional dependencies F = {A → BC, C → A, B → CD}. Which of the following can be a candidate key of R?

- Ans
- ☒ A. ABC
 - ☒ B. BCD
 - ☒ C. AB
 - ☒ D. A

Question ID : 9744433031

Section : Discipline7

Q.1 In JPEG image format, what is the full form of JPEG?

- Ans
- ☒ A. Joint Photographic External Graphics
 - ☒ B. Job Photo Experts Graphics
 - ☒ C. Job Photo Experts Group
 - ☒ D. Joint Photographic Experts Group

Question ID : 9744433049

Q.2 Which of the following multimedia authoring tools is created for Mac operating system?

- Ans
- ☒ A. Hypercard
 - ☒ B. PowerPoint
 - ☒ C. Tool book
 - ☒ D. Icon Author

Question ID : 9744433045



Q.3 Communication over walkie-talkie is an example of which of the following modes of communication?

- Ans**
- ☐ A. Both half-duplex and full-duplex
 - ☐ B. Full-duplex
 - ☐ C. Simplex
 - ☒ D. Half-duplex

Question ID : 9744433060

Q.4 What should be the Huffman code of the following characters, if the characters and their frequencies are given as follows?

a:16, b:5, c:12, d:17, e:10, f:25

[Assuming that in Huffman tree, the label of the edge to the left child is 0 and that of the edge to the right child is 1.]

- Ans**
- ☐ A. a:11, b:1010, c:111, d:01, e:1111, f:00
 - ☐ B. a:11, b:1010, c:111, d:01, e:1100, f:01
 - ☒ C. a:00, b:1110, c:110, d:01, e:1111, f:10
 - ☐ D. a:11, b:1010, c:001, d:10, e:0011, f:01

Question ID : 9744433064

Q.5 PowerPoint is a _____ multimedia authoring tool that runs on Windows environment.

- Ans**
- ☐ A. event based
 - ☒ B. card based
 - ☐ C. icon based
 - ☐ D. time based

Question ID : 9744433046

Q.6 Which of the following statements is correct about icon-based multimedia authoring tool?

- Ans**
- ☐ A. The Authorware icon-based multimedia authoring tools runs only on Windows platform.
 - ☐ B. In this type of authoring tool, the elements are organised as pages of a book or a stack of cards.
 - ☒ C. In this type of authoring tools, each icon is used for a specific task.
 - ☐ D. PowerPoint is an icon-based multimedia authoring tool.

Question ID : 9744433047

Q.7 Which of the following is a default value of the frame rate (in Flash) that is used for smooth animation?

- Ans**
- ☐ A. 30 frames/second
 - ☐ B. 15 frames/second
 - ☒ C. 24 frames/second
 - ☐ D. 10 frames/second

Question ID : 9744433054

Q.8 Which of the following statements is/are true about EPS image format?

- (i) It stands for *Encapsulated PostScript*.
- (ii) It is used for raster images.

Ans ☒ A. Only (i)

☒ B. Neither (i) nor (ii)

☒ C. Only (ii)

☒ D. Both (i) and (ii)

Question ID : 9744433053

Q.9 Which of the following statements is INCORRECT about Lingo?

Ans ☒ A.

It was developed by John Henry Thompson and Erik Neumann.

☒ B. It is used in Macromedia Director.

☒ C. It is a scripting language.

☒ D. It is a multimedia authoring tool for Windows platform.

Question ID : 9744433048

Q.10 Which of the following statements is correct about n-queen problem?

Ans ☒ A. 3-queen problem has 1 solution.

☒ B. 6-queen problem has 4 solutions.

☒ C. 5-queen problem has 2 solutions.

☒ D. 4-queen problem has 3 solutions.

Question ID : 9744433063

Q.11 Which of the following is a vector image format?

Ans ☒ A. TIFF

☒ B. PNG

☒ C. EPS

☒ D. GIF

Question ID : 9744433051

Q.12 Communication of CPU with keyboard and monitor is an example of which of the following modes of communication?

Ans ☒ A. Simplex

☒ B. Both simplex and half-duplex

☒ C. Half-duplex

☒ D. Full-duplex

Question ID : 9744433059

Q.13 How many colours are supported by GIF images?

- Ans ☒ A. 256
☐ B. 4
☐ C. 8
☐ D. 256*256*256

Question ID : 9744433050

Q.14 Which of the following statements is correct about GIF format?

- Ans ☐ A. It support only 8 colours.
☐ B. It uses lossy compression technique.
☒ C. GIF stands for Graphics Interchange Format.
☐ D. It is used for vector image files.

Question ID : 9744433052

Q.15 Which shortcut key is used to insert frame in Flash?

- Ans ☒ A. F5
☐ B. F3
☐ C. F1
☐ D. F7

Question ID : 9744433055

Q.16 What is the function of "Shift + F6" shortcut key in Flash?

- Ans ☒ A. It deletes the Keyframe.
☐ B. It deletes the Blank Keyframe.
☐ C. It inserts the Keyframe.
☐ D. It inserts a Blank Keyframe.

Question ID : 9744433056

Q.17 Digital signal is nothing but the representation of _____ data in _____ form.

- Ans ☐ A. discrete, analog
☒ B. analog, discrete
☐ C. analog, virtual
☐ D. discrete, virtual

Question ID : 9744433061

Q.18 Which of the following problems CANNOT be solved by using divide and conquer algorithm?

- Ans**
- ☒ A. Merge sort
 - ☒ B. 0-1 knapsack
 - ☒ C. Compute binomial coefficient nC_k
 - ☒ D. Binary search

Question ID : 9744433062

Q.19 Which statement is correct about Keyframes in Flash?

- Ans**
- ☒ A. F7 shortcut key is used to insert a blank Keyframe.
 - ☒ B. Shift + F5 shortcut key is used to delete Keyframes.
 - ☒ C. Ctrl + F5 shortcut key is used to insert a duplicate Keyframe.
 - ☒ D. It is a copy of the previous regular frame.

Question ID : 9744433057

Q.20 Which of the following statements is/are true about Keyframes in Flash?

- (i) A Flash project contains only one Keyframe.
- (ii) Ctrl + F5 shortcut key is used to insert a duplicate Keyframe.

- Ans**
- ☒ A. Neither (i) nor (ii)
 - ☒ B. Both (i) and (ii)
 - ☒ C. Only (i)
 - ☒ D. Only (ii)

Question ID : 9744433058

Section : Discipline8

Q.1 Which of the following is an optional statement in an SQL query?

- Ans**
- ☒ A. WHERE
 - ☒ B. SELECT
 - ☒ C. FROM
 - ☒ D. Both SELECT and FROM

Question ID : 9744433076

Q.2 Ecommerce refers to a paperless exchange of business information using different ways. Which of the following is NOT a valid way to perform electronic commerce?

- Ans**
- ☒ A. Electronic Fund Transfer (EFT)
 - ☒ B. Virtual Reality
 - ☒ C. Electronic Data Interchange (EDI)
 - ☒ D. Electronic Mail (E-Mail)

Q.3 Which of the following is a branch of computer science by which we can create intelligent machines that can behave like a human?

- Ans**
- ☐ A. Natural Language Processing
 - ☐ B. Neural Computing
 - ☐ C. Soft Computing
 - ☒ D. Artificial Intelligence

Question ID : 9744433065

Q.4 Which of the following is a NO-SQL database management system?

- Ans**
- ☐ A. Oracle
 - ☐ B. MySQL
 - ☒ C. MongoDB
 - ☐ D. SQL Server

Question ID : 9744433078

Q.5 The data which is to be encrypted at the sender site is known as _____, and the encrypted data is known as _____.

- Ans**
- ☐ A. virtual text; ciphertext
 - ☒ B. plaintext; ciphertext
 - ☐ C. ciphertext; virtual text
 - ☐ D. ciphertext; plaintext

Question ID : 9744433072

Q.6 Which of the following is/are goal(s) of Artificial Intelligence?

- (i) To replicate human intelligence.
- (ii) To solve knowledge-intensive tasks.

- Ans**
- ☒ A. Both (i) and (ii)
 - ☐ B. Neither (i) nor (ii)
 - ☐ C. Only (i)
 - ☐ D. Only (ii)

Question ID : 9744433068

Q.7 What is the full-form of SQL?

- Ans**
- ☒ A. Structured Query Language
 - ☐ B. Secure Query List
 - ☐ C. Secure Query Language
 - ☐ D. Structured Query List

Question ID : 9744433074



Teachingninja.in

Q.8 Which of the following means that both the sender and the receiver expects confidentiality?

- Ans ☒ A. Privacy
☒ B. Integrity
☒ C. Authentication
☒ D. Non-repudiation

Question ID : 9744433070

Q.9 The Data Encryption Standard (DES) was designed by _____.

- Ans ☒ A. Google
☒ B. IBM
☒ C. Microsoft
☒ D. Intel

Question ID : 9744433071

Q.10 Which of the following is NOT a valid e-commerce model?

- Ans ☒ A. C2B
☒ B. B2G
☒ C. C2F
☒ D. B2C

Question ID : 9744433080

Q.11 Which of the following statements is/are true?

- (i) E-commerce helps organisations to provide better customer services.
(ii) E-commerce provides options of virtual auctions.

- Ans ☒ A. Only (ii)
☒ B. Neither (i) nor (ii)
☒ C. Both (i) and (ii)
☒ D. Only (i)

Question ID : 9744433083

Q.12 Which of the following is an assurance that the original creator of the data cannot deny the creation or transmission of the said data to a recipient or third party?

- Ans ☒ A. Authentication
☒ B. Non-repudiation
☒ C. Confidentiality
☒ D. Data integrity

Question ID : 9744433084

Q.13 With respect to e-commerce, what is the full-form of B2C?

- Ans
- ☒ A. Buying-to-Consuming
 - ☒ B. Business-to-Consumer
 - ☒ C. Bureaucrat-to-Consumer
 - ☒ D. Business-to-Consultant

Question ID : 9744433079

Q.14 Which of the following statements is/are FALSE?

- (i) SQL databases are vertically scalable.
- (ii) No-SQL databases are horizontally scalable.

- Ans
- ☒ A. Only (ii)
 - ☒ B. Neither (i) nor (ii)
 - ☒ C. Only (i)
 - ☒ D. Both (i) and (ii)

Question ID : 9744433077

Q.15 In Artificial Intelligence, informed search is also called a _____ search.

- Ans
- ☒ A. naive
 - ☒ B. heuristic
 - ☒ C. dynamic
 - ☒ D. non-heuristic

Question ID : 9744433066

Q.16 Which of the following payment systems requires to have a bank account before getting it from that bank?

- (i) Credit card
- (ii) Debit card

- Ans
- ☒ A. Only (ii)
 - ☒ B. Both (i) and (ii)
 - ☒ C. Neither (i) nor (ii)
 - ☒ D. Only (i)

Question ID : 9744433081

Q.17 Which of the following means that the receiver must be able to prove that the received message has come from a specific sender?

- Ans
- ☒ A. Privacy
 - ☒ B. Integrity
 - ☒ C. Authentication
 - ☒ D. Non-repudiation

Question ID : 9744433066



Q.18 The DELETE SQL command can be used to delete _____ tuple(s) from the tables of the database.

- Ans ☒ A. single or multiple
- ☐ B. at the most five
- ☐ C. at least two
- ☐ D. only one

Question ID : 9744433075

Q.19 In Artificial Intelligence, greedy search and A* search are the examples of _____.

- Ans ☒ A. informed search
- ☐ B. uninformed search
- ☐ C. neither informed nor uninformed search
- ☐ D. both informed and uninformed search

Question ID : 9744433067

Q.20 Which of the following statements is/are true?

- (i) In Secret Key Encryption/Decryption technique, the same key is used by both the parties.
- (ii) In Secret Key Encryption/Decryption technique, the algorithm used for encryption is the inverse of the algorithm used for decryption.

- Ans ☐ A. Neither (i) nor (ii)
- ☒ B. Both (i) and (ii)
- ☐ C. Only (ii)
- ☐ D. Only (i)

Question ID : 9744433073

Section : Discipline9

Q.1 The term Soft Computing was coined by _____ in the early 90's.

- Ans ☒ A. LA Zadeh
- ☐ B. Tim Berners-Lee
- ☐ C. Alan Turing
- ☐ D. Donald Knuth

Question ID : 9744433098

Q.2 Which of the following statements is/are true?

- (i) Digital signature ensures message integrity and authentication.
- (ii) Hash function does not ensure message confidentiality.

- Ans ☐ A. Neither (i) nor (ii)
- ☒ B. Both (i) and (ii)
- ☐ C. Only (i)
- ☐ D. Only (ii)

Q.3 Encryption can be used to achieve which of the following security services on its own?

- Ans**
- ☐ A. Non-repudiation
 - ☐ B. Authentication
 - ☐ C. Data integrity
 - ☒ D. Confidentiality

Question ID : 9744433085

Q.4 Fuzzy Logic and Genetic Algorithms are the examples of which of the following computing approaches?

- (i) Soft computing
- (ii) Hard computing

- Ans**
- ☐ A. Neither (i) nor (ii)
 - ☐ B. Both (i) and (ii)
 - ☒ C. Only (i)
 - ☐ D. Only (ii)

Question ID : 9744433100

Q.5 Which of the following is also known as nonadaptive routing?

- (i) Static routing
- (ii) Dynamic routing

- Ans**
- ☒ A. Only (i)
 - ☐ B. Neither (i) nor (ii)
 - ☐ C. Both (i) and (ii)
 - ☐ D. Only (ii)

Question ID : 9744433103

Q.6 In _____ type of distributed systems, the nodes play an important role in this system and the task is evenly distributed among the nodes.

- Ans**
- ☒ A. peer-to-peer system
 - ☐ B. file server system
 - ☐ C. middleware
 - ☐ D. computer server system

Question ID : 9744433088

Q.7 With respect to simulation and modelling, which of the following is the process of comparing two or more items to ensure their accuracy?

- Ans**
- ☐ A. Experimental frame
 - ☐ B. Lumped model
 - ☒ C. Verification
 - ☐ D. Validation

Question ID : 9744433095

Q.8 Which of the following is almost based on nature and takes all inspirations from it?

- Ans**
- ☒ A. Support vector machine
 - ☒ B. Genetic algorithm
 - ☒ C. Fuzzy logic
 - ☒ D. Artificial neural network

Question ID : 9744433099

Q.9 The objective of _____ computing is to provide precise approximation and quick solutions for complex real-life problems.

- Ans**
- ☒ A. cluster
 - ☒ B. parallel
 - ☒ C. soft
 - ☒ D. hard

Question ID : 9744433097

Q.10 Which of the following is/are a feature of distributed operating system?

- (i) Scalability
- (ii) Flexibility

- Ans**
- ☒ A. Both (i) and (ii)
 - ☒ B. Neither (i) nor (ii)
 - ☒ C. Only (i)
 - ☒ D. Only (ii)

Question ID : 9744433087

Q.11 In which of the following does the system state variables remain constant over intervals of time and the values change at defined points called event times?

- (i) Discrete-event model
- (ii) Continuous-event model

- Ans**
- ☒ A. Only (i)
 - ☒ B. Only (ii)
 - ☒ C. Both (i) and (ii)
 - ☒ D. Neither (i) nor (ii)

Question ID : 9744433094

Q.12 Multiplexing follows _____ approach, whereas demultiplexing follows _____ approach.

- Ans**
- ☒ A. one-to-many; many-to-one
 - ☒ B. many-to-one; one-to-many
 - ☒ C. many-to-one; one-to-one
 - ☒ D. one-to-one; many-to-one

Question ID : 9744433104  Teachingninja.in

Q.13 Which of the following statements is/are FALSE?

- (i) In distributed computing, you may add multiple machines as required.
- (ii) Because of the distribution across multiple servers, troubleshooting and diagnostics are more challenging in distributed computing.

Ans ☒ A. Only (ii)

☒ B. Both (i) and (ii)

☒ C. Only (i)

☒ D. Neither (i) nor (ii)

Question ID : 9744433091

Q.14 Which of the following statements about distributed computing is FALSE?

Ans ☒ A.

The computer systems connect with one another via a network.

☒ B. It involves various computers.

☒ C. It does not allow for scalability and resource sharing.

☒ D.

Each computer system in distributed computing has its own memory.

Question ID : 9744433089

Q.15 Which of the following statements is/are true?

- (i) Hard Computing relies on formal logic and probabilistic reasoning.
- (ii) Soft computing relies on binary logic and crisp system.

Ans ☒ A. Only (i)

☒ B. Both (i) and (ii)

☒ C. Only (ii)

☒ D. Neither (i) nor (ii)

Question ID : 9744433101

Q.16 The capacity of the link is known as _____ of the link.

Ans ☒ A. load

☒ B. delay

☒ C. hop count

☒ D. bandwidth

Question ID : 9744433102

Q.17 Which of the following refers to the operation of a model in terms of time or space, which helps analyse the performance of an existing or a proposed system?

- (i) Modelling
- (ii) Simulation

Ans ☒ A. Neither (i) nor (ii)
☒ B. Only (ii)
☒ C. Both (i) and (ii)
☒ D. Only (i)

Question ID : 9744433093

Q.18 In modelling and simulation, _____ is performed by comparing experiment measurements with the simulation results within the context of an Experimental Frame.

Ans ☒ A. validation
☒ B. testing
☒ C. comparison
☒ D. verification

Question ID : 9744433096

Q.19 The main aim of which of the following is to make a network work as a single computer?

- (i) Distributed computing
- (ii) Parallel computing

Ans ☒ A. Both (i) and (ii)
☒ B. Only (i)
☒ C. Neither (i) nor (ii)
☒ D. Only (ii)

Question ID : 9744433090

Q.20 Which of the following is the process of representing a model which includes its construction and working?

- (i) Modelling
- (ii) Simulation

Ans ☒ A. Only (ii)
☒ B. Neither (i) nor (ii)
☒ C. Only (i)
☒ D. Both (i) and (ii)

Question ID : 9744433092

Q.1 NLU is a component of NLP. What is the full-form of NLU?

- Ans
- ☒ A. Natural Language Understanding
 - ☐ B. Neutral Language Unfolding
 - ☐ C. Neutral Language Understanding
 - ☐ D. Natural Language Unfolding

Question ID : 9744433116

Q.2 A router works at the _____ layer in the OSI model and _____ layer in TCP/IP model.

- Ans
- ☐ A. network, physical
 - ☐ B. session, internet
 - ☐ C. internet, network
 - ☒ D. network, internet

Question ID : 9744433105

Q.3 Which of the following statements is/are true?

- (i) Grayscale images are monochrome images.
- (ii) A normal grayscale image contains 8 bits/pixel data, which has 256 different grey levels.

- Ans
- ☐ A. Neither (i) nor (ii)
 - ☐ B. Only (i)
 - ☐ C. Only (ii)
 - ☒ D. Both (i) and (ii)

Question ID : 9744433124

Q.4 For pure white colour, all the three portions of R, G, B is _____.

- Ans
- ☐ A. 511
 - ☒ B. 255
 - ☐ C. 127
 - ☐ D. 0

Question ID : 9744433120

Q.5 Data Mining is an important component of the KDD process. What is the full-form of KDD?

- Ans
- ☐ A. Knowledge Discovery in Datawarehouse
 - ☐ B. Knowledge Divergence in Databases
 - ☐ C. Knowledge Distillation in Datawarehouse
 - ☒ D. Knowledge Discovery in Databases

Question ID : 9744433107

Q.6 Which of the following is/are required to convert image data into a digital form?

- (i) Sampling
- (ii) Quantisation

Ans ☒ A. Both (i) and (ii)
☒ B. Only (ii)
☒ C. Only (i)
☒ D. Neither (i) nor (ii)

Question ID : 9744433123

Q.7 Which of the following could be a natural interpretation of an 8-bit value such as 10001011?

- (i) 139
- (ii) -117

Ans ☒ A. Both (i) and (ii)
☒ B. Neither (i) nor (ii)
☒ C. Only (i)
☒ D. Only (ii)

Question ID : 9744433113

Q.8 Which of the following is an unsupervised data mining algorithm?

Ans ☒ A. Naïve Bayes
☒ B. Support Vector Machine
☒ C. Decision Tree
☒ D. K-means

Question ID : 9744433108

Q.9 Which of the following statements is/are FALSE?

- (iii) Fibre optics provide faster data transmission than copper wires.
- (iv) Shielded twisted pair does not suffer with attenuation.

Ans ☒ A. Only (ii)
☒ B. Only (i)
☒ C. Neither (i) nor (ii)
☒ D. Both (i) and (ii)

Question ID : 9744433106

Q.10 According to IEEE standard 754, how many bits are allotted to mantissa for double-precision representation of real numbers?

- Ans**
- ☒ A. 32
 - ☒ B. 64
 - ☒ C. 52
 - ☒ D. 16

Question ID : 9744433112

Q.11 Which of the following aims to construct natural language outputs from non-linguistic inputs?

- (i) NLU
- (ii) NLG

- Ans**
- ☒ A. Only (ii)
 - ☒ B. Neither (i) nor (ii)
 - ☒ C. Only (i)
 - ☒ D. Both (i) and (ii)

Question ID : 9744433118

Q.12 The 16-bit colour format is also known as high colour format, and it has _____ different colour shades.

- Ans**
- ☒ A. 32767
 - ☒ B. 32768
 - ☒ C. 65535
 - ☒ D. 65536

Question ID : 9744433121

Q.13 SAS data miner allows users to analyse big data and provide accurate insight for timely decision-making purposes. What is the full-form of SAS?

- Ans**
- ☒ A. Statistical Augmentation System
 - ☒ B. Static Analysis System
 - ☒ C. Statistical Analysis System
 - ☒ D. Static Augmentation System

Question ID : 9744433109

Q.14 Which of the following statements is/are FALSE?

- (i) The error we get by using finite arithmetic during a computation is called rounding error.
- (ii) The error we get by stopping an infinitary process after a finite point is called truncation error.

- Ans**
- ☒ A. Neither (i) nor (ii)
 - ☒ B. Only (ii)
 - ☒ C. Only (i)
 - ☒ D. Both (i) and (ii)

Question ID : 9744433114

Q.15 Which of the following statements is/are true?

- (i) Rapid Miner is one of the most popular predictive analysis systems created by the company with the same name as the Rapid Miner.
- (ii) Association rule mining is used to find a hidden pattern in the data set.

Ans ☒ A. Only (i)
☒ B. Only (ii)
☒ C. Both (i) and (ii)
☒ D. Neither (i) nor (ii)

Question ID : 9744433110

Q.16 Which of the following is used in applications, such as home automation, dictating to Microsoft Word, and voice biometrics?

Ans ☒ A. Virtual reality
☒ B. Speech recognition
☒ C. Information extraction
☒ D. Chatbot

Question ID : 9744433117

Q.17 In scientific notation, decimal numbers use the concepts of mantissa and exponent, and are written using powers of _____.

Ans ☒ A. 10
☒ B. 2
☒ C. 8
☒ D. 16

Question ID : 9744433111

Q.18 The colour images are represented as red, green and blue (RGB) images, and each colour image has _____ bits/pixel.

Ans ☒ A. 24
☒ B. 6
☒ C. 16
☒ D. 8

Question ID : 9744433122

Q.19 With respect to computational linguistic, what is the full-form of NLP?

Ans ☒ A. Neutral Language Processing
☒ B. Natural Language Processing
☒ C. Neutral Language Producing
☒ D. Natural Language Producing

Question ID : 9744433115

Q.20 Which of the following are computational linguistic related tasks?

- (i) Automatic summarisation
- (ii) Named Entity Recognition (NER)
- (iii) Speech recognition

Ans ☒ A. Only (i) and (iii)
☒ B. Only (ii) and (iii)
☒ C. (i), (ii) and (iii)
☒ D. Only (i) and (ii)

Question ID : 9744433119

