## Adda247

## NVS MTS

Previous Year Paper 8 March 2022 Shift III
(English)


| Test Date | $09 / 03 / 2022$ |
| :--- | :--- |
| Test Time | $8: 30$ AM - 11:00 AM |
| Subject | Junior Secretariat Assistant JNV Cadre |

## Section : Mental \& Reasoning Ability

Q. 1 Identify the number that does NOT belong to the following series.

3, 7, 12, 21, 57, 109, 276, 499
Ans
-1.276
X2. 109
X 3.499
$\times 4.57$

[^0]Q. 3 Select the option that is related to the third word in the same way as the second word is related to the first word.

Resistance : Ohm :: Angle : ?
Ans
X 1. Ampere
2. Radians
3. Watt
4. Joule
Q. 4 Select the option that is related to the third figure in the same way as the second figure is related to the first figure.


Ans

$\times 3$.


Q. 5 How many such pairs of letters are there in the word 'CREATOR' each of which has as many letters between them in the word as there are in the English alphabet?

Ans
$\times 1.4$
2. 3
3. 1
4. 2
Q. 6 Four pairs of letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.
Ans

1. ALBUM : BUMLA
2. GRACE : ACEGR
3. ALERT : ERTAL
4. MINOR : NORMI
Q. 7 Select the number from among the given options that can replace the question mark (?) in the following series.
$2,13,29,55,96,157,243$, ?
Ans
5. 395
6. 359
7. 387
8. 378
Q. 8 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:

Some jars are pistons.
Some pistons are bullocks.
All the bullocks are combs.
Conclusions:
l. Some combs are pistons.
II. Some bullocks are jars.
III. No bullock is a jar.
IV. Some pistons are jars.

Ans

1. Only conclusions I and II follow.
2. Both conclusions I and IV and either conclusion II or conclusion III follow.
3. Only conclusions II and III follow.
4. Only conclusions II and IV follow.
Q. 9 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 cushions are bumpers.
Some teethers are cushions.
All pacifiers are teethers.
Conclusions:
I. All pacifiers are bumpers.
II. Some pacifiers are bumpers.
III. Some bumpers are teethers.
IV. All teethers are bumpers

Ans $\times 1$. Only conclusion I follows.
X 2. Both conclusion I and II follow.
2. Only conclusion III follows.

X 4. Both conclusion II and III follow.
Q. 10 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.
p_tbcpr_bc_rtb_p_t_c
Ans
1.r, p,t,r,b, c
2. r, c, p, b, t, r
3. $r, t, p, c, r, b$
4. r, p, c, t, b, r
Q. 11 Five friends of Class X, Pranita, Lasya, Riya, Smitha and Tanish, have different heights.

Tanish is the second-tallest person in the group. Pranita is taller than only Smitha. Both Riya and Tanish are taller than Lasya. Pranita is taller than Smitha but shorter than Lasya.
Who among the following is taller than Tanish?
Ans
X 1. Smitha
2. Pranita

3. Lasya
4. Riya
Q. 12 Pavan started from his office. After walking a distance of 35 m towards the west, he turned to the right and walked 20 m to reach a garden. Again, he turned to the right and walked 25 m to reach a shopping mall. In which direction is he now from his initial position?

Ans

1. North-west
2. North-east
3. East
4. South-east
Q. 13 What approximate value will replace the question mark (?) in the following equation?
$1 \frac{1}{17.01}$ of $51.001+? \%$ of $5500=42.02^{2}+49.98$
Ans
$\times 1.64$
X 2.82

* 3.32
$\times 4.52$
Q. 14 In a certain code language, SUBTLE is coded as 75 and CHAIR is coded as 36. How will UNIVERSE be coded in that language?
Ans
X1. 117

2. 110
3. 109
4. 113

## Comprehension:

Read the given information and answer the following questions.
Seven friends, Karuna, Malati, Riya, Anvi, Guna, Prakul and Srinija, are sitting in a circle, and all of them are facing the centre, but not necessarily in the same order. Riya is sitting three places to the right of Prakul, who is sitting one place to the right of Anvi. Karuna forms an angle of $90^{\circ}$ from Guna and an angle of $120^{\circ}$ from Malati. Malati is just opposite to Srinija and is sitting to the left of Guna.

SubQuestion No : 15
Q. 15 What is the position of Guna with respect to the person who is diagonally opposite to Malati?
Ans
X 1. To the immediate right
$X 2$. Second to the right
2. Third to the left
$\chi 4$. To the immediate left

## Comprehension:

Read the given information and answer the following questions.
Seven friends, Karuna, Malati, Riya, Anvi, Guna, Prakul and Srinija, are sitting in a circle, and all of them are facing the centre, but not necessarily in the same order. Riya is sitting three places to the right of Prakul, who is sitting one place to the right of Anvi. Karuna forms an angle of $90^{\circ}$ from Guna and an angle of $120^{\circ}$ from Malati. Malati is just opposite to Srinija and is sitting to the left of Guna.

SubQuestion No : 16
Q. 16 In which of the following combinations is the first person sitting between the second person and the third person?

Ans
X 1. Riya, Malati, Guna
X 2. Prakul, Anvi, Srinija
3. Malati, Guna, Prakul

X 4. Riya, Karuna, Srinija

## Comprehension:

Read the given information and answer the following questions.
Seven friends, Karuna, Malati, Riya, Anvi, Guna, Prakul and Srinija, are sitting in a circle, and all of them are facing the centre, but not necessarily in the same order. Riya is sitting three places to the right of Prakul, who is sitting one place to the right of Anvi. Karuna forms an angle of $90^{\circ}$ from Guna and an angle of $120^{\circ}$ from Malati. Malati is just opposite to Srinija and is sitting to the left of Guna.

SubQuestion No : 17
Q. 17 In which of the following combinations are the two persons NOT opposite to each other?
Ans
X 1. Srinija, Malati
X 2. Prakul, Karuna
3. Guna, Anvi

X 4. Riya, Anvi

## Comprehension:

Read the given information and answer the following questions.
In a certain code language,
' $A$ @ $B$ ' means ' $A$ 's wife is $B$ ',
'A \# B' means 'A's mother is B',
' $A+B$ ' means ' $B$ is A's daughter',
' $A$ \% B' means ' $A$ 's mother is B's wife'
$A \div B$ ' means ' $A$ 's sister is $B$ ', and
' $A$ © $B$ ' means ' $A$ 's brother is $B$
SubQuestion No: 18
Q. 18 If Q has only one son, then which of the given statements is NOT correct as per the following expression?
$\mathbf{R © S} \div \mathbf{T} \% \mathbf{Q} \# \mathbf{L} \div \mathbf{U}+\mathbf{V}$
Ans

1. $T$ is the paternal grandson of U's sister.
2. S is the paternal grandson of L .
3. $Q$ and $V$ are cousins.
4. S's mother is the daughter-in-law of $L$.

## Comprehension:

Read the given information and answer the following questions.
In a certain code language,
'A @ B' means 'A's wife is B',
'A \# B' means 'A's mother is B',
' $A+B$ ' means ' $B$ is A's daughter',
' $A$ \% B' means ' $A$ 's mother is B's wife'
' $A \div B$ ' means ' $A$ 's sister is $B$ ', and
' $A$ © $B$ ' means ' $A$ 's brother is $B$ '
SubQuestion No: 19
Q. 19 How is M's mother related to $\mathbf{T}$ in the following expression?

M \% N $\div \mathbf{Q}$ \# R + S \% T
Ans


## Comprehension:

Read the given information and answer the following questions.
In a certain code language,
A @ B' means ' $A$ 's wife is $B$ ',
'A \# B' means 'A's mother is B',
' $A+B$ ' means ' $B$ is A's daughter',
'A \% B' means 'A's mother is B's wife'
$A \div B$ ' means ' $A$ 's sister is $B$ ', and
' $A$ © $B$ ' means ' $A$ 's brother is $B$ '
SubQuestion No: 20
Q. 20 Which of the given options is a correct conclusion drawn from the following expression?

W © U \% D \# T + P
Ans

1. $U$ is the son of $P$
2. P is the sister of D
$X$ 3. T is the father of P
$X 4$. $W$ is the wife of $U$

## Section : Quantitative Aptitude

Q. 1 In a housing block having 150 occupants, the average weight of the occupants is 50.9 kg . If $10 \%$ of the occupants are senior citizens whose average weight is 68 kg and $40 \%$ of the occupants are of age less than 18 years whose average weight is 32 kg , then find the average weight of the remaining persons (in kg )

Ans

1. 62.75
2. 63.25
-3. 62.6
X4. 62.25
Q. 2 The population of a town increases by $20 \%$ annually. If its present population is 864000 , then what was the difference between its population 2 years ago and 1 year ago?
Ans
3. 125000
4. 119200
5. 120000
6. 118500
Q. 3 If a train runs at a uniform speed that is equal to three-fourth of its usual speed, then it reaches its destination 1 hour 45 minutes late. How much time will the train take to reach its destination if it runs at its usual speed?
Ans
7. 5 h 20 min
8. 5 h
9. 5 h 10 min
10. 5 h 15 min
Q. 4 In a company, the number of graduate employees and the undergraduate employees were in the ratio of $1: 4$. Ten more persons joined the company. Some of the employees acquired graduation degree and the number of undergraduates reduced by 6 , thereby changing the ratio of graduates to undergraduates to $1: 3$. Find the total number of employees in the company initially.

Ans

1. 270
2. 264
3. 280
4. 260
Q. 5 The tops of two electric poles are tied with strings to a same point on the ground. If both the strings are 100 m long and are inclined at an angle of $45^{\circ}$ and $60^{\circ}$, respectively, to the ground, then find the difference in the heights of the two poles (in m).
Ans
5. 50
6. $50(2-\sqrt{3})$
7. $50(\sqrt{3}-1)$
8. $50(\sqrt{3}-\sqrt{2})$
Q. 6 A man of height 1.86 m is standing on top of a $13.14-\mathrm{m}$-high building. He observes a tower and the angles of elevation and depression of the top and bottom of the tower are $30^{\circ}$ and $60^{\circ}$, respectively. Find the height of the tower, in m .

Ans

1. 30
2. 20

X3. 27
4. 17.52
Q. 7 Two pipes, A and B, together can fill a tank in 24 minutes. Both the pipes were opened together, but pipe A, which can fill the tank in 40 minutes, was closed 30 minutes before the tank got filled. In how many minutes did the tank get filled?
Ans
$\times 1.40$
2. 45
3. 42

X4. 38
Q. 8 If p is the fourth proportion to 4,9 and 8 , and q is the third proportional of p and 30 , then find the mean proportional between 32 and q .

Ans

1. 40
2. 35
3. 36
4. 42
Q. 9 A 30-litre mixture of acid and water contains $33 \frac{1}{3} \%$ acid. How much water (in litres) must be added to get a mixture having $25 \%$ acid?
Ans
5. 8.75
6. 11
7. 10
8. 10.5
Q. 10 In a group of 40 persons, the oldest and the youngest persons have an age difference of 94 years. When these two persons are excluded from the group, the average age of remaining persons is 26 years. If the average age of the entire group is 27.5 years, then find the age of youngest person (in years)?
Ans
9. 8
10. 10
11. 9
12. 7
Q. 11 A and B can complete a work in 12 days and 20 days, respectively. They worked together for 5 days, after which A was replaced by C and the work was completed in the next 4 days. In how many days can C alone complete $80 \%$ of the work?
Ans
$\times 1.27$
X2. 25
$\times 3.20$

- 4. 24
Q. 12 Find the value of k in the 6-digit number 1 k 3 k 49 such that the number is divisible by 33 .

Ans

1. 5
2. 8
(3. 9
3. 2
Q. 13 A vessel contains a mixture of milk and water in the ratio of $4: 1$. If 25 litres of this mixture is taken out and replaced with milk, making the ratio of milk to water as $9: 2$, then find the quantity of milk (in litres) in the vessel initially.
Ans
-1. 220
X2. 210
X 3. 225
X4. 200
Q. 14 Find the product of the LCM and HCF of the following fractions:
$\frac{4}{5}, \frac{14}{15}, \frac{9}{25}, \frac{3}{10}, \frac{2}{3}$
Ans
4. 402
5. $\frac{42}{25}$
6. 37500
7. $\frac{25}{42}$

## Comprehension:

Read the given information and answer the following questions
Nidhi travelled 16 km by auto-rickshaw at $32 \mathrm{~km} / \mathrm{h}$ to reach a railway station. She travelled in a train for four and a half hours running at a speed of $72 \mathrm{~km} / \mathrm{h}$. Thereafter, she hired a taxi, which moved at a speed of $40 \mathrm{~km} / \mathrm{h}$, and reached her uncle's place in 30 minutes. The auto-rickshaw charged $₹ 25$ for the first 2 km and thereafter $₹ 10 / \mathrm{km}$. She paid ₹ 530 for her train journey. The taxi charged ₹ 20 for the first km and ₹ 15 for every subsequent km .

SubQuestion No : 15
Q. 15 Find the average speed of Nidhi for the whole journey (in $\mathrm{km} / \mathrm{h}$, correct to one decimal place)?

Ans
X1. 65.9
2. 65.5

X 3.64 .8
X4. 65.8

## Comprehension:

Read the given information and answer the following questions
Nidhi travelled 16 km by auto-rickshaw at $32 \mathrm{~km} / \mathrm{h}$ to reach a railway station. She travelled in a train for four and a half hours running at a speed of $72 \mathrm{~km} / \mathrm{h}$. Thereafter, she hired a taxi, which moved at a speed of $40 \mathrm{~km} / \mathrm{h}$, and reached her uncle's place in 30 minutes. The auto-rickshaw charged ₹ 25 for the first 2 km and thereafter ₹ $10 / \mathrm{km}$. She paid ₹ 530 for her train journey. The taxi charged ₹ 20 for the first km and ₹ 15 for every subsequent km .

SubQuestion No: 16
Q. 16 If Nidhi had preferred to travel by a faster train which charges $20 \%$ more, then find the percentage increase in the total expenditure on the journey?
Ans
$\times 1.10 .5$
$\times 2.10 .8$
$\checkmark$ 3. 10.6
X4. 10

## Comprehension:

Read the given information and answer the following questions.
Nidhi travelled 16 km by auto-rickshaw at $32 \mathrm{~km} / \mathrm{h}$ to reach a railway station. She travelled in a train for four and a half hours running at a speed of $72 \mathrm{~km} / \mathrm{h}$. Thereafter, she hired a taxi, which moved at a speed of $40 \mathrm{~km} / \mathrm{h}$, and reached her uncle's place in 30 minutes. The auto-rickshaw charged ₹ 25 for the first 2 km and thereafter ₹ $10 / \mathrm{km}$. She paid ₹ 530 for her train journey. The taxi charged ₹ 20 for the first km and ₹ 15 for every subsequent km .

SubQuestion No : 17
Q. 17 How much amount (in ₹) did Nidhi spend to reach her uncle's place?

Ans

1. 995
2. 998
3. 1000
4. 980

## Comprehension:

Read the given information and answer the following questions.
An item is marked at ₹ 14,000 . Dealer A bought the item from its manufacturing company with a $25 \%$ discount on the marked price and sold it by giving a $15 \%$ discount. Dealer B bought the same item from the same manufacturing company with a $30 \%$ discount on the marked price and sold it by giving a $20 \%$ discount. The same item is available in instalment plan also. A customer can buy it from the manufacturer by giving ₹ 2,100 cash down payment followed by 2 equal annual instalments of ₹ 6,050 . The manufacturer charges compound interest at $10 \%$ p.a.

SubQuestion No : 18
Q. 18 Selling price of dealer A is what percentage higher than that of dealer B ?

Ans
$\times 1.6 .2$
X2. 6.5
X 3. 6
4. 6.25

## Comprehension:

Read the given information and answer the following questions.
An item is marked at ₹ 14,000 . Dealer A bought the item from its manufacturing company with a $25 \%$ discount on the marked price and sold it by giving a $15 \%$ discount. Dealer B bought the same item from the same manufacturing company with a $30 \%$ discount on the marked price and sold it by giving a $20 \%$ discount. The same item is available in instalment plan also. A customer can buy it from the manufacturer by giving ₹ 2,100 cash down payment followed by 2 equal annual instalments of $₹ 6,050$. The manufacturer charges compound interest at $10 \%$ p.a.

SubQuestion No : 19
Q. 19 Which dealer earned more on selling the item and by what percentage?

1. Both earned equal
2. B, $8 \%$
3. A, $8 \%$
4. A, $10 \%$


Comprehension:
Read the given information and answer the following questions.
An item is marked at ₹ 14,000 . Dealer A bought the item from its manufacturing company with a $25 \%$ discount on the marked price and sold it by giving a $15 \%$ discount. Dealer B bought the same item from the same manufacturing company with a $30 \%$ discount on the marked price and sold it by giving a $20 \%$ discount. The same item is available in instalment plan also. A customer can buy it from the manufacturer by giving ₹ 2,100 cash down payment followed by 2 equal annual instalments of ₹ 6,050 . The manufacturer charges compound interest at $10 \%$ p.a.

SubQuestion No : 20
Q. 20 Find the percentage of discount availed by the customer when he opts for instalment plan.

Ans

1. $10 \%$
2. $10.5 \%$
3. $11.5 \%$
4. $9 \%$

Section: General Awareness \& Current Affairs
Q. 1 Which of the following rivers rises in the Gawilgarh Hills of the central Deccan plateau in south-central Madhya Pradesh state?
Ans
X 1. Rupnarayan River
X 2. Ajay River
3. Tapti River

X 4. Ichamati River
Q. 2 Through which of the following processes does alternating current (AC) get converted to direct current (DC)?

Ans

1. Rectification
2. Gentrification
3. Cornification
4. Amplification
Q. 3 The government has allocated nearly $\qquad$ for fertilizer subsidies in the 2021-22 Budget.
Ans
5. ₹79,600 crore
6. ₹49,600 crore
7. ₹59,600 crore
8. ₹69,600 crore
Q. 4 Reo Purgyil mountain peak is located in which of the following states?

Ans
X 1. Arunachal Pradesh
2. Sikkim

X 3. Uttarakhand
4. Himachal Pradesh
Q. 5 As per the Global Multidimensional Poverty Index 2021, the Scheduled Tribe group of India accounts for $\qquad$ of the population of the 129 million people living in multidimensional poverty.
Ans

1. $6.4 \%$
2. $4.9 \%$
3. $9.4 \%$
4. 8.3\%
Q. 6 Nagarjunsagar Srisailam tiger reserve is in which of the following states?

Ans
X 1. Chattisgarh
2. Arunachal Pradesh
3. Andhra Pradesh
4. Assam
Question ID : 1034353343
Status : Not Answered
Chosen Option :--
Q. 7 As per the Census 2011, what is the percentage of the population that is involved in agricultural \& allied activities?

Ans

1. $56.6 \%$
2. $67.3 \%$
3. 49.7\%
4. 44.7\%
Q. 8 Which of the following Indian musicians is known for Carnatic Music - Instrumental (Ghatam)?
Ans
X 1. KS Chithra
5. P Jayachandran

X 3. S Janaki
4. TH Vinayakram
Q. 9 Which of the following acts talks about a common framework for the structure and mandate of urban local bodies to enable them to function as effective democratic units of Local Self Government?
Ans

1. 74th Constitutional Amendment Act
2. 54th Constitutional Amendment Act
3. 44th Constitutional Amendment Act
4. 64th Constitutional Amendment Act
Q. 10 In which of the following years did the supreme court of India overturn a colonial-era law that criminalises consensual gay sex?

Ans

1. 2020
2. 2017
3. 2018
4. 2019
Q. 11 In which of the following years was the Pre-Conception and Pre-Natal Diagnostic Techniques (Prohibition of Sex Selection) Act passed?

Ans
X 1. 2001
2. 2004
3. 2002
4. 2003
Q. 12 Sitar maestro Pandit Ravi Shankar received the Lifetime Achievement Award posthumously at the $\qquad$ Grammy Awards ceremony.
Ans

1. 46th Annual
2. 55th Annual
3. 57th Annual
4. 59th Annual
Q. 13 With which of the following government banks has the Bharatiya Mahila Bank has merged in 2017?

Ans

1. State Bank of India
2. Banks of India
3. Punjab National Bank
4. Union Bank
Q. 14 When was the Registration of Births and Deaths Act passed?

Ans
X 1.1961
2. 1969

- 3.1955

4. 1944
Q. 15 Who was the first woman to receive the Arjuna award for Hockey?

Ans

1. Ann Lumsden
2. Gurmeet Kaur
3. Rima Dutta
4. Meena Shah
Q. 16 As per the report submitted by the expert panel headed by former RBI governor C Rangarajan in 2014, those spending over $\qquad$ a day in rural areas should not be considered poor.
Ans
X 1. ₹52
X 2. ₹42

- 3. ₹22

4. ₹32
Q. 17 In which of the following years was the National Commission for Backward Classes Act passed?

Ans

1. 1994
2. 1995
3. 1996
4. 1993
Q. 18 Which of the following words refers to 'one who is naked'?

Ans

1. Shvetambara
2. Tirthankaras
3. Digambara
4. Kevalin
Q. 19 David Julius and Ardem Patapoutian were awarded the 2021 Nobel Prize for

Ans
X 1. Economic Sciences
$\times 2$. Literature
3. Chemistry
4. Physiology or Medicine
Q. 20 In the month of January 2022, which of the following players faced a visa row in Australia?
Ans

1. Novak Djokovic
2. Pete Sampras
3. Roger Federer
4. Rafael Nadal
Q. 21 The full form of 'WiFi' is:

Ans

1. Wireless Fidelity
2. Wireless Firecracker
3. Wireless Fibre
4. Wireless Fibrillated
Q. 22 Light from the sun scattering around particles in the upper atmosphere is known as the $\qquad$
Ans
5. Tyndall Effect
6. Doppler Effect
7. Butterfly Effect
8. Hawking Effect

## Comprehension:

Read the following paragraph and answer the following questions.
A group was appointed by the British Conservative government under Stanley Baldwin to report on the working of the Indian constitution established by the Government of India Act of 1919. The commission consisted of seven members-four Conservatives, two Labourites, and one Liberal-under the joint chairmanship of the distinguished Liberal lawyers.
The Commission published its report in 1930. The report was discussed at the Round Table Conferences, and it had some influence on the Government of India Act of 1935

SubQuestion No : 23
Q. 23 Which of the following events is described in the given paragraph?

Ans

1. Simon Commission
2. Hunter Commission

X 3. Mansfield Commission
4. Fraser Commission


## Comprehension:

Read the following paragraph and answer the following questions.
A group was appointed by the British Conservative government under Stanley Baldwin to report on the working of the Indian constitution established by the Government of India Act of
1919. The commission consisted of seven members-four Conservatives, two Labourites, and one Liberal-under the joint chairmanship of the distinguished Liberal lawyers.
The Commission published its report in 1930. The report was discussed at the Round Table Conferences, and it had some influence on the Government of India Act of 1935

SubQuestion No : 24
Q. 24 The commission discussed in the given paragraph was appointed in the year

Ans
X1. 1919
X2. 1922
2. 1927
4. 1928

## Comprehension:

Read the following paragraph and answer the following questions.
A group was appointed by the British Conservative government under Stanley Baldwin to report on the working of the Indian constitution established by the Government of India Act of 1919. The commission consisted of seven members-four Conservatives, two Labourites, and one Liberal-under the joint chairmanship of the distinguished Liberal lawyers.
The Commission published its report in 1930. The report was discussed at the Round Table Conferences, and it had some influence on the Government of India Act of 1935

SubQuestion No : 25
Q. 25 The Viceroy of India at the time of the afore mentioned Commission was $\qquad$ -.
Ans
X 1. Lord Mountbatten
X 2. Lord Linlithgow
3. Lord Irwin

X 4. Lord Willingdon

## Comprehension:

Read the following paragraph and answer the following questions.
A group was appointed by the British Conservative government under Stanley Baldwin to report on the working of the Indian constitution established by the Government of India Act of 1919. The commission consisted of seven members-four Conservatives, two Labourites, and one Liberal—under the joint chairmanship of the distinguished Liberal lawyers.
The Commission published its report in 1930. The report was discussed at the Round Table
Conferences, and it had some influence on the Government of India Act of 1935
SubQuestion No : 26
Q. 26 How many volumes were there in the report of this commission, which was published in the year 1930?
Ans
X 1. Four
2. Two
3. Three
4. One

## Comprehension:

Read the following paragraph and answer the following questions.
Mitochondria are membrane-bound organelle found in the (Blank Number 4) $\qquad$ of almost all eukaryotic cells (cells with clearly defined nuclei), the primary function of which is to generate large quantities of energy in the form of (Blank Number 1) $\qquad$ Mitochondria are typically round to oval in shape, and range in size from (Blank Number 2) $\qquad$ . In addition to producing energy, mitochondria store calcium for cell signaling activities, generate heat, and mediate cell growth and death.
The number of mitochondria per cell varies widely -for example, in humans, (Blank Number 3) $\qquad$ do not contain any mitochondria, whereas liver cells and muscle cells may contain hundreds or even thousands.

SubQuestion No : 27
Q. 27 Which of the following should fill the Blank Number 2 of the paragraph?

Ans
X 1. 0.6 to $18 \mu \mathrm{~m}$

- 2. 0.5 to $10 \mu \mathrm{~m}$

X 3. 0.8 to $20 \mu \mathrm{~m}$
X4.0.5 to $30 \mu \mathrm{~m}$

## Comprehension:

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Mitochondria are membrane-bound organelle found in the (Blank Number 4) $\qquad$ of almost
all eukaryotic cells (cells with clearly defined nuclei), the primary function of which is to generate large quantities of energy in the form of (Blank Number 1) $\qquad$ Mitochondria are typically round to oval in shape, and range in size from (Blank Number 2) $\qquad$ _In
addition to producing energy, mitochondria store calcium for cell signaling activities, generate heat, and mediate cell growth and death.
The number of mitochondria per cell varies widely -for example, in humans, (Blank Number 3) $\qquad$ do not contain any mitochondria, whereas liver cells and muscle cells may contain hundreds or even thousands.

SubQuestion No : 28
Q. 28 Which of the following should fill the Blank Number 1 of the paragraph?

Ans
$X$ 1. Adenosine Trioxolane
$X$ 2. Adenosine Thiosulphate
3. Adenosine Triphosphate
4. Adenosine Trinitrate

## Comprehension:

Read the following paragraph and answer the following questions.
Mitochondria are membrane-bound organelle found in the (Blank Number 4) $\qquad$ of almost
all eukaryotic cells (cells with clearly defined nuclei), the primary function of which is to generate large quantities of energy in the form of (Blank Number 1) $\qquad$ Mitochondria
are typically round to oval in shape, and range in size from (Blank Number 2) $\qquad$ . In addition to producing energy, mitochondria store calcium for cell signaling activities, generate heat, and mediate cell growth and death.
The number of mitochondria per cell varies widely -for example, in humans, (Blank Number 3) $\qquad$ do not contain any mitochondria, whereas liver cells and muscle cells may contain hundreds or even thousands.

SubQuestion No : 29
Q. 29 Which of the following should fill the Blank Number 4 of the paragraph?

Ans
X1. Nucleus
X 2. Golgi apparatus
3. Cytoplasm

X 4. Lysosome

## Comprehension:

Read the following paragraph and answer the following questions.
Mitochondria are membrane-bound organelle found in the (Blank Number 4) $\qquad$ of almost
all eukaryotic cells (cells with clearly defined nuclei), the primary function of which is to generate large quantities of energy in the form of (Blank Number 1) $\qquad$ Mitochondria
are typically round to oval in shape, and range in size from (Blank Number 2) $\qquad$ _In
addition to producing energy, mitochondria store calcium for cell signaling activities, generate heat, and mediate cell growth and death.
The number of mitochondria per cell varies widely -for example, in humans, (Blank Number 3) $\qquad$ do not contain any mitochondria, whereas liver cells and muscle cells may contain hundreds or even thousands.

SubQuestion No : 30
Q. 30 Which of the following should fill the Blank Number 3 of the paragraph?

Ans
X 1. Leukocyte (WBC)
X 2. Thrombocytes (Platelets)
3. Erythrocytes (RBC)
4. Spermatozoon (Sperm Cell)

Question ID : 1034353361 Status: Answered Chosen Option : 3

Section : Language Competency Test
Q. 1 Select the most appropriate option to fill in the blank.

I'm happy you are here even if the party began long back. As they say, $\qquad$ .
Ans

1. better late than never
2. a stitch in time saves nine
3. the customer is always right
4. no news is good news

## Q. 2 Select the correct spelling of the underlined word.

Atendence in schools is short due to online classes.
Ans

1. Attendance
2. Attendence
3. Atendance
4. Attandance
Q. 3 Select the most appropriate option to fill in the blank.

I reached office on time $\qquad$ there was a lot of traffic.

Ans
X1. still
2. since
3. though
4. because
Q. 4 Select the most appropriate phrasal verb to fill in the blank.

He has $\qquad$ with his brother ever since the business ran into losses..

Ans $\qquad$

1. fallen out
2. blown away
3. come down
4. given away
Q. 5 Select the option that can be used as a one-word substitute for the underlined group of words.

With the destruction of grasslands, animals that feed on plants need to be shifted to new habitats.
Ans

1. herbivores
2. carnivores
3. omnivores
4. insectivores

## Q. 6 Select the most appropriate synonym of the underlined word.

The company offered a discount on bulk orders
Ans
X 1. removal
2. release
3. raise
4. rebate
Q. 7 Select the most appropriate ANTONYM of the underlined word.

The data on the number of Covid-19 cases is alarming.
Ans
$\times 1$. touching
2. disturbing
3. surprising
4. comforting
Q. 8 Select the correct spelling of the underlined word.

A little knolege is a dangerous thing.
Ans
< 1. knoledge
2. knowlidge
3. knowlige
4. knowledge
Q. 9 Select the option that can be used as a one-word substitute for the underlined group of words.

You cannot enter the place where bees are kept without a proper kit.
Ans

1. museum
2. aquarium
3. aviary
4. apiary

## Q. 10 Select the most appropriate option to fill in the blank.

The man accused $\qquad$ murder pleaded that he was innocent.

Ans

1. of
2. on
3. by
4. with

## Comprehension:

Read the given passage and answer the questions that follow.
Stress has become an inescapable part of our lives. Many of our illnesses are a result of stress, and to deal with it, we need certain ways to relax our body and mind. Listening to gentle, calming and melodious music relaxes people both, physically and mentally. Music releases endorphins, the natural painkillers in our brain, which relieve us from the sense of pain. Music can normalise heart rate and blood pressure. The common occurrences of fatigue and boredom decrease when we listen to music.
Music diverts our attention from everyday anxieties, thereby reducing the stress caused by such concerns. While meditating, listening to music helps us to connect with our soul. Students can improve their concentration and boost their memory by listening to soft music. Soothing music, when played at night, helps us to rest and relax for a good night's sleep. Listening to good music helps in overcoming negative traits such as anger or worry, thereby improving our personality.
It creates positive energy and happiness. Every cell in the body becomes energetic with increased peace of mind. Music is a therapy for everyone - plants, birds, animals and human beings - to flourish and rejuvenate. It certainly plays an important part in making the world better for all living beings.

SubQuestion No : 11
Q. 11 Which of the following statements is NOT true?

Ans
$X 1$. Music has a calming effect on plants and animals.
Х 2. Soothing music can induce a sound sleep.
$X$ 3. Music helps to overcome anger.
4. All kinds of music have a calming effect on the body.

## Comprehension:

Read the given passage and answer the questions that follow.
Stress has become an inescapable part of our lives. Many of our illnesses are a result of stress, and to deal with it, we need certain ways to relax our body and mind. Listening to gentle, calming and melodious music relaxes people both, physically and mentally. Music releases endorphins, the natural painkillers in our brain, which relieve us from the sense of pain. Music can normalise heart rate and blood pressure. The common occurrences of fatigue and boredom decrease when we listen to music
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SubQuestion No : 12
Q. 12 Which of the following is decreased by music?

Ans

1. Fatigue and boredom
2. Positive energy
3. Release of endorphins
4. Concentration

## Comprehension:

Read the given passage and answer the questions that follow.
Stress has become an inescapable part of our lives. Many of our illnesses are a result of stress, and to deal with it, we need certain ways to relax our body and mind. Listening to gentle, calming and melodious music relaxes people both, physically and mentally. Music releases endorphins, the natural painkillers in our brain, which relieve us from the sense of pain. Music can normalise heart rate and blood pressure. The common occurrences of fatigue and boredom decrease when we listen to music.
Music diverts our attention from everyday anxieties, thereby reducing the stress caused by such concerns. While meditating, listening to music helps us to connect with our soul. Students can improve their concentration and boost their memory by listening to soft music. Soothing music, when played at night, helps us to rest and relax for a good night's sleep. Listening to good music helps in overcoming negative traits such as anger or worry, thereby improving our personality.
It creates positive energy and happiness. Every cell in the body becomes energetic with increased peace of mind. Music is a therapy for everyone - plants, birds, animals and human beings - to flourish and rejuvenate. It certainly plays an important part in making the world better for all living beings.

SubQuestion No: 13
Q. 13 How can we deal with stress?

Ans

1. By regulating our heart rate

X 2. By fighting illness
X 3. By taking painkillers
4. By relaxing our minds and bodies

## Comprehension:

Read the given passage and answer the questions that follow.
Stress has become an inescapable part of our lives. Many of our illnesses are a result of stress, and to deal with it, we need certain ways to relax our body and mind. Listening to gentle, calming and melodious music relaxes people both, physically and mentally. Music releases endorphins, the natural painkillers in our brain, which relieve us from the sense of pain. Music can normalise heart rate and blood pressure. The common occurrences of fatigue and boredom decrease when we listen to music
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It creates positive energy and happiness. Every cell in the body becomes energetic with increased peace of mind. Music is a therapy for everyone - plants, birds, animals and human beings - to flourish and rejuvenate. It certainly plays an important part in making the world better for all living beings.

SubQuestion No : 14
Q. 14 Good music can make us better persons by:

Ans
X 1. improving our memory
$X 2$. reducing our anxiety
X 3. providing more energy
4. helping us get rid of negative qualities

## Comprehension:

Read the given passage and answer the questions that follow.
Stress has become an inescapable part of our lives. Many of our illnesses are a result of stress, and to deal with it, we need certain ways to relax our body and mind. Listening to gentle, calming and melodious music relaxes people both, physically and mentally. Music releases endorphins, the natural painkillers in our brain, which relieve us from the sense of pain. Music can normalise heart rate and blood pressure. The common occurrences of fatigue and boredom decrease when we listen to music.
Music diverts our attention from everyday anxieties, thereby reducing the stress caused by such concerns. While meditating, listening to music helps us to connect with our soul. Students can improve their concentration and boost their memory by listening to soft music. Soothing music, when played at night, helps us to rest and relax for a good night's sleep. Listening to good music helps in overcoming negative traits such as anger or worry, thereby improving our personality.
It creates positive energy and happiness. Every cell in the body becomes energetic with increased peace of mind. Music is a therapy for everyone - plants, birds, animals and human beings - to flourish and rejuvenate. It certainly plays an important part in making the world better for all living beings.

SubQuestion No : 15
Q. 15 Select the most appropriate ANTONYM of the given word.

Flourish
Ans
X 1. Relieve
2. Wither

X 3. Boost
X4. Prosper
Q. 16 ‘पंचवटी’ में समास है--

Ans

1. द्विगु
2. अव्ययी भाव
3. द्वंद्व
4. बहुव्रीहि
Q. 17 'ठाकुर' का अर्थ निम्न में से नहीं है--

Ans

1. आडंबर
2. मालिक
3. देवता
4. क्षत्रियों की एक उपाधि

## Q. 18 'महेश्वर’ का संधि विच्छेद होगा-

Ans

1. महे +ईश्वर
2. महा + ईश्वर
3. महो + इश्वर
4. मह + इश्वर
Q. 19 निम्न में से ‘सैद्धांतिक‘ का विलोम शब्द है-

Ans


1. अवसैद्धांतिक
2. असैद्धांतिक
3. आसैद्धांतिक
4. निसैद्धांतिक
Q. 20 'संध्या’ का पर्याय निम्न में से नहीं है--

Ans
$X$ 1. दिनांत
2. निशारंभ
3. विभावरी
4. गोधूलि
Q. 21 बेइज़ज़त करने के अर्थ में निम्न में से किस मुहावरे का प्रयोग होता है-

Ans

1. पगड़ी बाँधना
2. टोपी पहनाना
3. पगड़ी रखना
4. पगड़ी उतारना
Q. 22 'जो बर्तन बेचने का काम करे' वाक्यांश के लिए एक शब्द होगा-

Ans

1. कमेरा
2. कसेरा
3. बढ़ई
4. कुम्हार
Q. 23 निम्न में से असुमेलित तद्भव-तत्सम युग्म का चयन कीजिए-

Ans

1. उत्साह - उछाह
2. उजड्ड - उज्जड
3. उड़ - उड्ड
4. ईख - इक्षु
Q. 24 नील सरोरुह स्याम तरुन अरुन बारिज नयन। करउ सो मम उर धाम, सदा छीर सागर नयन' । ।
‘पंक्तियों में अलंकार है-
Ans
$X 1$. प्रतीप
5. उपमा
6. रूपक
7. दृष्टांत
Q. 25 जिसको मालिक चाहे वही अच्छा होता है चाहे वह बुरा ही क्यों न हो—आशय प्रकट करने वाली लोकोक्ति है--

Ans

1. अंधे के हाथ बटेर लगी
2. जिसकी बनरी वही नचावे
3. जिसे पिया चाहे वही सुहागन
4. जिसकी लाठी उसकी भैंस

## Comprehension:

दिए गए गद्यांश के आधार पर निम्नलिखित प्रश्नों के उत्तर दीजिए।
दिल्ली सल्तनत के शासक फिरोज़शाह तुगलक़ ने अनेक ऐसे करों को समाप्त कर दिया जिनके भुगतान के लिए व्यापारियों को काफी कष्ट भोगना पड़ता था। इनमें से मुख्य थे ‘दलाल-ए-बाज़ारहा’ अर्थात क्रय-विक्रय पर लगने वाला कर तथा ‘चुंगी -ए-गल्लाह’अर्थात अनाजों पर लगने वाला कर। सुल्तान ने अनेक नगर बसाए, नहरें खुदवाईं तथा उद्यान लगवाए जिससे व्यापारिक कार्यों में पर्याप्त वृद्धि हुई। उसके काल में आइनुलमुल्क मुल्तानी द्वारा लिखित इंशा-ए-माहरु से पता चलता है कि अधिकारियों को पत्राचार में किसी भी प्रकार से देरी करने की आज्ञा न थी क्योंकि इससे व्यापारियों के हितों पर बुरा प्रभाव पड़ता था। अफीफ ने अपनी तारीखे- फिरोज़शाही में इस काल में व्यापारियों के काफिलों को दूर देशों में ले जाने का वर्णन किया है। तारीख-ए-सिंध से हमें सिंध से के शासक के व्यापारियों के प्रति सहानुभूतिपूर्ण रुख का पता चलता है। मालवा के शासक महमूद ख़लजी को अपने राज्य में जंगलों को साफ कराने तथा मार्गों को चोरों, डाकुओं तथा जंग़ली जानवरों से सुरक्षित रखने का श्रेय प्राप्त है। गुजरात के शासकों ने भी व्यापारिक प्रगति-संबंधी कार्यों के प्रति रुचि दिखाई थी। सुल्तान अहमदशाह ने 1412 ई0 में अहमदाबाद नगर की स्थापना की जिसकी ख्याति शीघ्र ही अरब व चीन में पहुँच गई। 1426 में गुजरात की सीमा पर अहमदनगर की स्थापना हुई। मिरात-ए-सिकंदरी नामक पुस्तक में गुजरात के सुल्तान महमूद बेगड़ा के राज्य की सुख-समृद्धि का अच्छा-खासा वर्णन है।

SubQuestion No : 26

## Q. 26 व्यापार की उन्नति के लिए शासकों द्वारा निम्न में से क्या कार्य नहीं किया गया?

Ans

1. अधिकारियों के अनुचित व्यवहार पर रोक।
$X$ 2. नवीन व्यापारिक केंद्रों की स्थापना।
2. अनावश्यक करों की माफी।
3. अनेक ऐतिहासिक महत्व के ग्रंथों की रचना।

## Comprehension:

दिए गए गद्यांश के आधार पर निम्नलिखित प्रश्नों के उत्तर दीजिए।
दिल्ली सल्तनत के शासक फिरोज़शाह तुगलक़ ने अनेक ऐसे करों को समाप्त कर दिया जिनके भुगतान के लिए व्यापारियों को काफी कष्ट भोगना पड़ता था। इनमें से मुख्य थे ‘दलाल-ए-बाज़ारहा’ अर्थात क्रय-विक्रय पर लगने वाला कर तथा ‘चुंगी -ए-गल्लाह’अर्थात अनाजों पर लगने वाला कर। सुल्तान ने अनेक नगर बसाए, नहरें खुदवाईं तथा उद्यान लगवाए जिससे व्यापारिक कार्यों में पर्याप्त वृद्धि हुई। उसके काल में आइनुलमुल्क मुल्तानी द्वारा लिखित इंशा-ए-माहरु से पता चलता है कि अधिकारियों को पत्राचार में किसी भी प्रकार से देरी करने की आज्ञा न थी क्योंकि इससे व्यापारियों के हितों पर बुरा प्रभाव पड़ता था। अफीफ ने अपनी तारीखे- फिरोज़शाही में इस काल में व्यापारियों के काफिलों को दूर देशों में ले जाने का वर्णन किया है। तारीख-ए-सिंध से हमें सिंध से के शासक के व्यापारियों के प्रति सहानुभूतिपूर्ण रुख का पता चलता है। मालवा के शासक महमूद ख़लजी को अपने राज्य में जंगलों को साफ कराने तथा मार्गों को चोरों, डाकुओं तथा जंग़ली जानवरों से सुरक्षित रखने का श्रेय प्राप्त है। गुजरात के शासकों ने भी व्यापारिक प्रगति-संबंधी कार्यों के प्रति रुचि दिखाई थी। सुल्तान अहमदशाह ने 1412 ई0 में अहमदाबाद नगर की स्थापना की जिसकी ख्याति शीघ्र ही अरब व चीन में पहुँच गई। 1426 में गुजरात की सीमा पर अहमदनगर की स्थापना हुई। मिरात-ए-सिकंदरी नामक पुस्तक में गुजरात के सुल्तान महमूद बेगड़ा के राज्य की सुख-समृद्धि का अच्छा-खासा वर्णन है।

SubQuestion No : 27
Q. 27 निम्नलिखित में से किस कर को फिरोज़शाह तुगलक़ द्वारा समाप्त कर दिया गया था?

1. चुंगी कर
2. घरों पर लगने वाला कर
3. आय पर लगने वाला कर
4. अनाजों पर लगने वाला कर

## Comprehension:

दिए गए गद्यांश के आधार पर निम्नलिखित प्रश्नों के उत्तर दीजिए।
दिल्ली सल्तनत के शासक फिरोज़शाह तुगलक़ ने अनेक ऐसे करों को समाप्त कर दिया जिनके भुगतान के लिए व्यापारियों को काफी कष्ट भोगना पड़ता था। इनमें से मुख्य थे ‘दलाल-ए-बाज़ारहा’ अर्थात क्रय-विक्रय पर लगने वाला कर तथा ‘चुंगी -ए-गल्लाह’अर्थात अनाजों पर लगने वाला कर। सुल्तान ने अनेक नगर बसाए, नहरें खुदवाईं तथा उद्यान लगवाए जिससे व्यापारिक कार्यों में पर्याप्त वृद्धि हुई। उसके काल में आइनुलमुल्क मुल्तानी द्वारा लिखित इंशा-ए-माहरु से पता चलता है कि अधिकारियों को पत्राचार में किसी भी प्रकार से देरी करने की आज्ञा न थी क्योंकि इससे व्यापारियों के हितों पर बुरा प्रभाव पड़ता था। अफीफ ने अपनी तारीखे- फिरोज़शाही में इस काल में व्यापारियों के काफिलों को दूर देशों में ले जाने का वर्णन किया है। तारीख-ए-सिंध से हमें सिंध से के शासक के व्यापारियों के प्रति सहानुभूतिपूर्ण रुख का पता चलता है। मालवा के शासक महमूद ख़लजी को अपने राज्य में जंगलों को साफ कराने तथा मार्गों को चोरों, डाकुओं तथा जंग़ली जानवरों से सुरक्षित रखने का श्रेय प्राप्त है। गुजरात के शासकों ने भी व्यापारिक प्रगति-संबंधी कार्यों के प्रति रुचि दिखाई थी। सुल्तान अहमदशाह ने 1412 ई0 में अहमदाबाद नगर की स्थापना की जिसकी ख्याति शीघ्र ही अरब व चीन में पहुँच गई। 1426 में गुजरात की सीमा पर अहमदनगर की स्थापना हुई। मिरात-ए-सिकंदरी नामक पुस्तक में गुजरात के सुल्तान महमूद बेगड़ा के राज्य की सुख-समृद्धि का अच्छा-खासा वर्णन है।

SubQuestion No : 28
Q. 28 गद्यांश का केंद्रीय विषय है-

Ans

1. सल्तनत काल में भिन्न शासकों द्वारा व्यापार के लिएअनुकूल परिस्थितियों के निर्माण का उल्लेख
2. सल्तनत काल में व्यापार की उन्नति एवं प्रगति का उल्लेख
3. विभिन्न पुस्तकों में सल्तनत कालीन व्यापार का उल्लेख
4. गुजरात राज्य के विकास का वर्णन

Comprehension:
दिए गए गद्यांश के आधार पर निम्नलिखित प्रश्नों के उत्तर दीजिए।
दिल्ली सल्तनत के शासक फिरोज़शाह तुगलक़ ने अनेक ऐसे करों को समाप्त कर दिया जिनके भुगतान के लिए व्यापारियों को काफी कष्ट भोगना पड़ता था। इनमें से मुख्य थे ‘दलाल-ए-बाज़ारहा’ अर्थात क्रय-विक्रय पर लगने वाला कर तथा ‘चुंगी -ए-गल्लाह’अर्थात अनाजों पर लगने वाला कर। सुल्तान ने अनेक नगर बसाए, नहरें खुदवाईं तथा उद्यान लगवाए जिससे व्यापारिक कार्यों में पर्याप्त वृद्धि हुई। उसके काल में आइनुलमुल्क मुल्तानी द्वारा लिखित इंशा-ए-माहरु से पता चलता है कि अधिकारियों को पत्राचार में किसी भी प्रकार से देरी करने की आज्ञा न थी क्योंकि इससे व्यापारियों के हितों पर बुरा प्रभाव पड़ता था। अफीफ ने अपनी तारीखे- फिरोज़शाही में इस काल में व्यापारियों के काफिलों को दूर देशों में ले जाने का वर्णन किया है। तारीख-ए-सिंध से हमें सिंध से के शासक के व्यापारियों के प्रति सहानुभूतिपूर्ण रुख का पता चलता है। मालवा के शासक महमूद ख़लजी को अपने राज्य में जंगलों को साफ कराने तथा मार्गों को चोरों, डाकुओं तथा जंग़ली जानवरों से सुरक्षित रखने का श्रेय प्राप्त है। गुजरात के शासकों ने भी व्यापारिक प्रगति-संबंधी कार्यों के प्रति रुचि दिखाई थी। सुल्तान अहमदशाह ने 1412 ई0 में अहमदाबाद नगर की स्थापना की जिसकी ख्याति शीघ्र ही अरब व चीन में पहुँच गई। 1426 में गुजरात की सीमा पर अहमदनगर की स्थापना हुई। मिरात-ए-सिकंदरी नामक पुस्तक में गुजरात के सुल्तान महमूद बेगड़ा के राज्य की सुख-समृद्धि का अच्छा-खासा वर्णन है।

SubQuestion No : 29
Q. 29 'समृद्धि' का विलोम है-

Ans
X1. भिक्षा
2. विनाश

X 3. व्याधि
4. दु:ख

## Comprehension:

दिए गए गद्यांश के आधार पर निम्नलिखित प्रश्नों के उत्तर दीजिए।
दिल्ली सल्तनत के शासक फिरोज़शाह तुगलक़ ने अनेक ऐसे करों को समाप्त कर दिया जिनके भुगतान के लिए व्यापारियों को काफी कष्ट भोगना पड़ता था। इनमें से मुख्य थे ‘दलाल-ए-बाज़ारहा’ अर्थात क्रय-विक्रय पर लगने वाला कर तथा ‘चुंगी -ए-गल्लाह’अर्थात अनाजों पर लगने वाला कर। सुल्तान ने अनेक नगर बसाए, नहरें खुदवाईं तथा उद्यान लगवाए जिससे व्यापारिक कार्यों में पर्याप्त वृद्धि हुई। उसके काल में आइनुलमुल्क मुल्तानी द्वारा लिखित इंशा-ए-माहरु से पता चलता है कि अधिकारियों को पत्राचार में किसी भी प्रकार से देरी करने की आज्ञा न थी क्योंकि इससे व्यापारियों के हितों पर बुरा प्रभाव पड़ता था। अफीफ ने अपनी तारीखे- फिरोज़शाही में इस काल में व्यापारियों के काफिलों को दूर देशों में ले जाने का वर्णन किया है। तारीख-ए-सिंध से हमें सिंध से के शासक के व्यापारियों के प्रति सहानुभूतिपूर्ण रुख का पता चलता है। मालवा के शासक महमूद ख़लजी को अपने राज्य में जंगलों को साफ कराने तथा मार्गों को चोरों, डाकुओं तथा जंग़ली जानवरों से सुरक्षित रखने का श्रेय प्राप्त है। गुजरात के शासकों ने भी व्यापारिक प्रगति-संबंधी कार्यों के प्रति रुचि दिखाई थी। सुल्तान अहमदशाह ने 1412 ई0 में अहमदाबाद नगर की स्थापना की जिसकी ख्याति शीघ्र ही अरब व चीन में पहुँच गई। 1426 में गुजरात की सीमा पर अहमदनगर की स्थापना हुई। मिरात-ए-सिकंदरी नामक पुस्तक में गुजरात के सुल्तान महमूद बेगड़ा के राज्य की सुख-समृद्धि का अच्छा-खासा वर्णन है।

SubQuestion No: 30
Q. 30 निम्न में से किस पुस्तक में भारत के विदेशों के साथ व्यापारिक संबंधों का वर्णन मिलता है?

Ans

1. तारीखे- फिरोज़शाही
2. तारीख-ए-सिंध
3. मिरात-ए-सिकंदरी
4. इंशा-ए-माहरु

Section : Basic Knowledge of Computer Operation
Q. 1 Consider a RAM of size 64 MB. If each addressable block of the RAM is of 1 byte, then how many address lines (bits) are required to represent each RAM block uniquely?
Ans
-1. 36

- 2.26

X 3.20
$\times 4.16$
Q. 2 Which of the following statements related to the operating system is/are true?
(i) It provides an environment in which users and application software can do work.
(ii) It manages resources of the computer and allocates them to different users or tasks whenever required, efficiently.

Ans

1. Neither (i) nor (ii)
2. Only (i)
3. Both (i) and (ii)
4. Only (ii)
Q. 3 Which of the following operating systems can be classified as both, multitasking and multiprogramming?
(i) MS-DOS
(ii) Windows 10
(iii) Linux

Ans

1. (ii) and (iii)

X 2. Only (ii)
3. (i) and (iii)

X4. (i), (ii) and (iii)
Q. 4 Which of the following statements about information kiosks is/are FALSE?
(i) Regardless of size, type and function, all information kiosks consist of hardware and software components.
(ii) Compared to human employees, kiosks can serve more customers as they work 24/7 and do not take breaks.

Ans
$X 1$. Only (ii)
2. Neither (i) nor (ii)

X 3. Only (i)
X 4. Both (i) and (ii)
Q. 5 Which of the following statements about NTFS is FALSE?

Ans $\quad$ 1. Files stored to NTFS partitions can be as large as the partition.
2. NTFS partitions cannot extend beyond 8 GB.

X 3. NTFS stands for New Technology File System.
X 4. NTFS partitions can be read from and written to by Windows and Linux systems.
Q. 6 A computer system generally has a memory storage to store large amounts of data permanently. Which of the following options represents the storage space capacity that is equivalent to 16 GB ?
Ans
$\times 1.2^{20} \mathrm{~KB}$
2. $2^{20} \mathrm{MB}$

- 3. $2^{14} \mathrm{~KB}$

4. $2^{14} \mathrm{MB}$
Q. 7 Which of the following statements is/are true?
(i) Digital signatures make it difficult for the signer to deny having signed the data. (ii)In a digital signature, the public key is used for both, encryption and decryption.

Ans

1. Only (i)
2. Neither (i) nor (ii)
3. Only (ii)
4. Both (i) and (ii)
Q. 8 Optical input devices allow computers to use light as a source of input. Which of the following is/are examples of optical input devices?
(i) Scanner
(ii) MICR

Ans

1. Only (i)
2. Neither (i) nor (ii)
3. Both (i) and (ii)
4. Only (ii)
Q. 9 Which of the following keyboard shortcuts is used to open the font window in MSPowerPoint, where you can adjust the font size, style, type, etc.?
Ans
5. Alt + Ctrl + F
6. $\mathrm{Ctrl}+\mathrm{F}$
7. $\mathrm{Ctrl}+\mathrm{W}$
8. $\mathrm{Ctrl}+\mathrm{T}$

## Q. 10 Which of the following statements is/are FALSE?

(i) The full form of SIM used in mobile phones is Subscriber Identity Module
(ii) The size of micro and nano SIM cards is the same.

Ans

1. Only (i)
2. Only (ii)
3. Neither (i) nor (ii)
4. Both (i) and (ii)
Q. 11 Which of the following mobile operating systems was developed by NOKIA?
(i) Bada,
(ii) Android

Ans
$X 1$. Both (i) and (ii)
2. Only (ii)
3. Neither (i) nor (ii)

X 4. Only (i)
Q. 12 Which Chapters of the Indian IT Act, 2000 mandates the establishment of Cyber Appellate Tribunal?

Ans
X 1. Chapter V
2. Chapter $X$
3. Chapter IX
4. Chapter VII
Q. 13 Which of the following statements about PROM is true?
(i) It is a sequential access memory.
(ii) It is a magnetic memory.
(iii) It is a non-volatile memory.

Ans
$X 1$. (i) and (iii)
2. (ii) and (iii)
3. Only (ii)
4. Only (iii)

Q. 14 Which of the following is/are true with respect to EEPROM?
(i) It is block-wise erasable.
(ii) It is byte-wise erasable.

Ans
X 1 . Only (i)
2. Both (i) and (ii)
-
3. Only (ii)
4. Neither (i) nor (ii)

## Q. 15 Which of the following is/are the benefits of using e-Governance?

(i) Reduced corruption
(ii) High transparency

Ans
$X 1$. Only (ii)
2. Neither (i) nor (ii)
3. Only (i)
4. Both (i) and (ii)
Q. 16 Which of the following CPU registers is used to store data and intermediate results produced by the ALU?
Ans
X 1. Program counter
2. Accumulator

X 3. Memory address register
4. Instruction register
Q. 17 Which of the following software is/are also called language processor?

Ans

1. Assembler and compiler
2. Adware
3. Database management system
4. Spreadsheet software
Q. 18 Which of the following is/are NOT valid characteristics of a computer system?
(i) IQ
(ii) Accountability
(iii) Versatility
(iv) Diligence

Ans

1. (iii) and (iv)
2. (i) and (ii)
3. (ii) and (iii)
4. (i) and (iv)
Q. 19 Which of the following is a valid category of information kiosks?
(i) Freestanding kiosk
(ii) Wall-mounted kiosk

Ans
X 1. Neither (i) nor (ii)
< 2. Only (i)
3. Only (ii)
4. Both (i) and (ii)
Question ID : 1034353415
Status : Not Answered
Chosen Option:--

Chosen Option: --
Q. 20 File and directory names in NTFS can be up to $\qquad$ characters long, including any extensions.
Ans
X 1.128

- 2.512

3. 511
4. 255
Q. 21 Which of the following looks like an upside-down mouse that requires the ball to be rotated manually with a finger for moving the cursor on the computer screen?
Ans
$\times 1$. Digitiser
5. Trackball
6. Joystick
7. Light pen

## Q. 22 Identify whether the given statements are true or false.

(i) Both, DRAM and cache memory have the same access speed.
(ii) Both, SRAM and DRAM can be used as main memory in a computer system.

Ans
X 1. (i) - True, (ii) - False
2. (i) - True, (ii) - True
3. (i) - False, (ii) - False
4. (i) - False, (ii) - True

## Comprehension:

Following Questions are based on the given sample document created in Microsoft Word 2016. Read this document carefully to observe different categories of Word's features applied over its different portions and accordingly choose the most suitable options for the questions.

he Internet is the global system of interconnected computer networks that uses the Internet protocol suite (TCP/IP) to communicate between networks and devices. It is a network of networks that consists of private, public, academic, business, and government networks of local to global scope, linked by a broad array of electronic, wireless, and optical networking technologies.

The Internet carries a vast range of information resources and services, such as the inter-linked hypertext documents and applications of the World Wide Web (WWW), electronic mail, telephony, and file sharing.

The origins of the Internet date back to the development of packet switching and research commissioned by the United States Department of Defense in the 1960s to enable time-sharing of computers. The primary precursor network, the ARPANET, initially served as a backbone for interconnection of regional academic and military networks in the 1970s.

The funding of the National Science Foundation Network as a new backbone in the 1980s, as well as private funding for other commercial extensions, led to worldwide participation in the development of new networking technologies, and the merger of many networks.

SubQuestion No: 23
Q. 23 How many 'first line' indentations have been used in the given sample document?

Ans
< 1. Three
2. Two
3. Four
4. One


## Comprehension:

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SubQuestion No : 24
Q. 24 The first paragraph of the given sample document contains a drop cap. Which of the following menu tabs in MS-Word 2016 contains this feature?
Ans
X 1. View
$X 2$. Home
3. References
4. Insert


## Comprehension:

Following Questions are based on the given sample document created in Microsoft Word 2016. Read this document carefully to observe different categories of Word's features applied over its different portions and accordingly choose the most suitable options for the questions.

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of interconnected computer
networks that uses the Internet
$\begin{array}{ll}\text { protocol suite (TCP/IP) to } \\ \text { communicate } & \text { between }\end{array}$ networks and devices. It is a network of networks that consists of private, public, academic, business, and government networks of local to global scope, linked by a broad array of electronic, wireless, and optical networking technologies.

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SubQuestion No: 25
Q. 25 The sample document is designed using a two-column format. Which of the following menu tabs in MS-Word 2016 contains this feature?

Ans
X1. Design
2. Layout

X 3. Review
X4. View


## Comprehension:

Following Questions are based on the given sample document created in Microsoft Word 2016. Read this document carefully to observe different categories of Word's features applied over its different portions and accordingly choose the most suitable options for the questions.

?he Internet is the global system of interconnected computer networks that uses the Internet protocol suite (TCP/IP) to communicate between networks and devices. It is a network of networks that consists of private, public, academic, business, and government networks of local to global scope, linked by a broad array of electronic, wireless, and optical networking technologies.

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SubQuestion No : 26
Q. 26 The first sentence of the third paragraph is underlined with double lines. Which of the following keyboard shortcuts in MS-Word 2016 can be used to underline text with double lines?
Ans

1. Ctrl + Shift + D
2. Ctrl + Shift + U

X 3. Alt + Shift + U
X 4. Alt + Shift + D

## Comprehension:

Following Questions are based on the given sample worksheet created in Microsoft Excel 2016. Read this worksheet carefully and accordingly choose the most suitable options for the questions.


SubQuestion No: 27
Q. 27 What will be the result of the MS-Excel formula '=CEILING(B1,10)' over the sample worksheet?

Ans

1. 45
2. 50
3. 46
4. 40

## Comprehension:

Following Questions are based on the given sample worksheet created in Microsoft Excel 2016. Read this worksheet carefully and accordingly choose the most suitable options for the questions.

|  | A |  | B | C | D |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | E |  |  |  |  |
| 1 | 100 | 45 | B |  | C |
| 2 |  | 10 | K | 20 |  |
| 3 | F | 450 | G |  | H |
| 4 | 225 | 30 |  | 40 |  |
| 5 | 110 | 35 | 300 | E | 213 |

SubQuestion No : 28
Q. 28 What is the absolute address of the cell containing the value 213 ?

Ans
X 1. \& 5\&E
2. $\$ E \$ 5$
3. \$E5\$
4. $\mathrm{E} \$ 5$

Comprehension:
Following Questions are based on the given sample worksheet created in Microsoft Excel 2016. Read this worksheet carefully and accordingly choose the most suitable options for the questions.

|  | A |  | B | C | D |
| :---: | :---: | :---: | :---: | :---: | :---: |
| A | E |  |  |  |  |
| 1 | 100 | 45 | B |  | C |
| 2 |  | 10 | K | 20 |  |
| 3 | F | 450 | G |  | H |
| 4 | 225 | 30 |  | 40 |  |
| 5 | 110 | 35 | 300 | E | 213 |

SubQuestion No : 29
Q. 29 What will happen if you select the cells B2 to D2 and click on 'AutoSum'?

Ans
$X 1$. The cell C 2 will contain 30 .
2. It will generate an Excel error.
3. The content of cell C 2 will be deleted.
4. The cell E2 will contain 30

## Comprehension:

Following Questions are based on the given sample worksheet created in Microsoft Excel 2016. Read this worksheet carefully and accordingly choose the most suitable options for the questions.

|  | A |  | B | C | D |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | E |  |  |  |  |
| 1 | 100 | 45 | B |  | C |
| 2 |  | 10 | K | 20 |  |
| 3 | F | 450 | G |  | H |
| 4 | 225 | 30 |  | 40 |  |
| 5 | 110 | 35 | 300 | E | 213 |

SubQuestion No: 30
Q. 30 What will be the result of the MS-Excel formula ' $=\operatorname{FLOOR}(B 5,16)$ 'over the sample worksheet?

Ans
$\times 1.48$
$\times 2.34$
$\times 3.30$

- 4

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[^0]:    Q. 2 If ' $A$ ' denotes 'addition', ' $B$ ' denotes 'multiplication', ' $C$ ' denotes 'subtraction' and ' $D$ ' denotes 'division', then what will be the value of the following expression? 72 D 6 B 12 A 24 C 18 C ( 20 B 5 A 48)
    Ans
    +1.4
    2. 2

    X 3.1
    4.3

