THE CANDIDATE SHOULD ENSURE THAT QUESTION PAPER BOOKLET NO. OF THE QUESTION PAPER BOOKLET AND ANSWER SHEET MUST BE SAME AFTER OPENING THE PAPER SEAL / POLYTHENE BAG. IN CASE THEY ARE DIFFERENT, A CANDIDATE MUST OBTAIN ANOTHER QUESTION PAPER. CANDIDATE HIMSELF SHALL BE RESPONSIBLE FOR ENSURING THIS.

INSTRUCTIONS FOR CANDIDATES

1. Answer all questions.
2. All questions carry equal marks.
3. Only one answer is to be given for each question.
4. If more than one answers are marked, it would be treated as wrong answer.
5. Each question has four alternative responses marked serially as 1, 2, 3, 4. You have to darken only one circle or bubble indicating the correct answer on the Answer Sheet using BLUE BALL POINT PEN.
6. The OMR Answer Sheet is inside this Test Booklet. When you are directed to open the Test Booklet, take out the Answer Sheet and fill in the particulars carefully with blue ball point pen only.
7. 1/3 part of the mark(s) of each question will be deducted for each wrong answer. A wrong answer means an incorrect answer or more than one answers for any question. Leaving all the relevant circles or bubbles of any question blank will not be considered as wrong answer.
8. Mobile Phone or any other electronic gadget in the examination hall is strictly prohibited. A candidate found with any of such objectionable material with him/ her will be strictly dealt as per rules.
9. Please correctly fill your Roll Number in O.M.R. Sheet. 5 Marks can be deducted for filling wrong or incomplete Roll Number.
10. If there is any sort of ambiguity/mistake either of printing or factual nature then out of Hindi and English Version of the question, the English Version will be treated as standard.

WARNING: If a candidate is found copying or if any unauthorized material is found in his/her possession, P.I.R. would be lodged against him/her in the Police Station and he/she would liable to be prosecuted. Department may also debar him/her permanently from all future examinations.

Do not open this Test Booklet until you are asked to do so.
1. As per the Ministry of New and Renewable Energy, the rank of Rajasthan in Grid connected solar power upto 2017 is
(1) First  (2) Second  (3) Third  (4) Fourth

2. Which of the following forts of Rajasthan is included in the World Heritage List of UNESCO?
(1) Taragarh Fort (Bundi)
(2) Jaigarh Fort
(3) Junagarh
(4) Amber Fort

3. Maharani Amar Kunwari was the wife of king Maharao Buddhasingh of Bundi and she was the sister of
(1) Mirja Raja Jaisingh
(2) Raja Mansingh
(3) Sawai Jaisingh
(4) Bharval

4. Whose deeds of bravery have been described in the "Rawale of Beethu Meha"?
(1) Gogaji  (2) Ramdeoji
(3) Tejaji  (4) Hadabuji

5. To which age does the artistic splendour of Rajoregarh belong?
(1) Chauhan
(2) Gurjar-Pratihar
(3) Guhil-Sisodia
(4) Rathore

6. "Champakakali" ornament is worn by women on which part of the body?
(1) Ears  (2) Arms
(3) Neck  (4) Waist
7. Famous painter Dheema, Meerbaksh, Kashi and Ramlakhan were associated with which school of Rajasthan painting?
   (1) Shekhawati School
   (2) Alwar School
   (3) Deogarh School
   (4) Unniyara School

8. Who was the founder of Medatia branch of Rathore dynasty?
   (1) Rao Ratnasingh
   (2) Rao Duda
   (3) Rao Chandrasen
   (4) Bhojraj

9. Match the following:
   (A) Kuchaman Khalt (i) Lachchhi Ram Khyal
   (B) Shekhawati Khalt (ii) Tejkavi Khyal Jaisalmeri
   (C) Rammat (iii) Bhandishar Bhatt
   (D) Tamasha (iv) Dulia Rana

Codes:
   (A) (B) (C) (D)
   (1) (iv) (iii) (ii) (i)
   (2) (i) (ii) (iii) (iv)
   (3) (i) (iv) (ii) (iii)
   (4) (i) (iii) (ii) (iv)

10. What is ‘Ghuraliyon’?
    (1) A style of dance
    (2) Musical instrument of Kalbeliyon
    (3) Tribal Bhil’s Jewellery
    (4) Folk Drama

11. Identify the false facts among the following:

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Moosi Maharani Ki - Alwar Chhatri</td>
<td></td>
</tr>
<tr>
<td>2. Gopalsingh ki - Karauli Chhatri</td>
<td></td>
</tr>
<tr>
<td>3. Ramgopal Poddar ki - Ramgarh Chhatri</td>
<td></td>
</tr>
<tr>
<td>4. Ramgopal Paliwal ki - Bikaner Chhatri</td>
<td></td>
</tr>
</tbody>
</table>
12. Recently Prime Minister Narendra Modi was honoured by the highest UAE Civil award, which is known as
   (1) UAE Medal
   (2) Mohammad bin Zayed Award
   (3) UAE President Award
   (4) Zayed Medal

13. Lok Sabha Poll 2019 in Rajasthan in two phases are respectively in
   (1) fourth week of April and first week of May.
   (2) fourth week of April and second week of May.
   (3) fifth week of April and first week of May.
   (4) fifth week of April and second week of May.

14. The lowest number of Lok Sabha seats for the Lok Sabha Election 2019, out of the following state is in:
   (1) Sikkim  (2) Goa
   (3) Manipur  (4) Meghalaya

15. Which of the following renowned player recently joined Bhartiya Janata Party?
   (1) Bajrang Punia
   (2) Gautam Gambhir
   (3) Rohit Sharma
   (4) Saurabh Chaudhary

16. For which game Ajay Thakur received Padma Shri in the year 2019?
   (1) Kho Kho  (2) Kabaddi
   (3) Table Tenis  (4) Basket Ball
17. Which of the following is not from Rajasthan in the top 10 successful candidates of the civil service examination 2018 result, recently declared?
(1) Subham Gupta
(2) Akshat Jain
(3) Shreyansh Kumat
(4) Shrushi Jayant Deshmukh

18. Who among the following was awarded for her achievements in the field of mountaineering on the International Women Day, 2019?
(1) Poonam Sharma
(2) Asha Jain
(3) Asha Jhajharia
(4) Poonam Yadav

19. ‘Bolo’ App is developed by Google India to help
(1) Children read only Hindi better
(2) Children read all Indian Language better
(3) People prepare their speeches.
(4) Children to improve their Hindi and English reading skills

20. Which of the following air routes has been started on 1st April, 2019 from Kishangarh airport of Rajasthan?
(1) Kishangarh – Delhi
(2) Kishangarh – Ahmedabad
(3) Hyderabad – Kishangarh
(4) Chennai – Kishangarh

21. Chief Justice of Rajasthan, Pradeep Nandrajog recently transferred to
(1) Bombay High Court
(2) Allahabad High Court
(3) Kerala High Court
(4) Supreme Court, Delhi
22. For unequal class intervals, a histogram may be drawn for the frequency distribution by taking heights of rectangles as

1. Cumulative frequency
2. Class frequency
3. Proportional to Class Intervals
4. Proportional to frequency density

23. The following Pie charts exhibit the distribution of overseas tourist traffic from India, by the country and by the age distribution of tourists during a year:

If amongst other countries, Switzerland accounts for 25% of tourists traffic and it is known from official Swiss records that a total of 25 lakh Indian tourists visited Switzerland during the year, how many total number of 30-39 years old Indian tourists went abroad during the year?

1. 20 lakh
2. 25 lakh
3. 50 lakh
4. 75 lakh

24. If $Q_1$, $Q_2$ and $Q_3$ are the three quartiles of a frequency distribution, which of the following relations between quartiles hold if the distribution is negatively skewed?

1. $Q_1 + Q_3 > 2Q_2$
2. $Q_1 + Q_3 < 2Q_2$
3. $Q_1 + Q_2 < 2Q_3$
4. $Q_3 - Q_1 > 2Q_2$
25. एक विद्यालय की बस बच्चों के खड़े होने के स्थान से विद्यालय तक 40 km/hr की गति से जाती है और विद्यालय से उसी स्थान तक 60 km/hr की गति से बापस आती है । विद्यालय की बस की औसत गति क्या है?
(1) 50 km/hr  (2) 45 km/hr
(3) 48 km/hr  (4) 40 km/hr

26. प्रेक्षणों के एक समुच्चय $x_i$ ; $i=1, 2, \ldots, n$ का मान ‘1’ से औसत वर्ग विचलता 7 और −1 से 3 है। प्रेक्षणों का मानक विचलन होगा?
(1) $\sqrt{3}$  (2) 4
(3) 5  (4) $2\sqrt{2}$

27. चार कंपनियों A, B, C और D के शेयर पैच वर्ग तक अध्ययन करने पर निम्न जानकारी प्राप्त हुईं:

<table>
<thead>
<tr>
<th>कंपनी</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>मध्य मूल्य</td>
<td>25</td>
<td>15</td>
<td>20</td>
<td>18</td>
</tr>
<tr>
<td>मूल्य मानक</td>
<td>3.6</td>
<td>2.4</td>
<td>3.0</td>
<td>3.6</td>
</tr>
</tbody>
</table>

विचलता वह कंपनी जिसका शेयर सबसे अधिक स्थिर है, है:
(1) A  (2) B  (3) C  (4) D

28. यदि दो चरों X और Y के मध्य सहसमन्य गुणांक 0.6 है, तो u और v के मध्य, जहाँ $u = 1 - \frac{1}{2}X$ और $v = \frac{1}{3}Y + 2$ है, सहसमन्य गुणांक होगा?
(1) 0.1  (2) −0.1
(3) 0.6  (4) −0.6

29. माना X और Y दो असमन्यित चर इस प्रकार हैं कि X और Y के मानक विचलन समान हैं, तो निम्न में से कौन सा उत्तर सही नहीं है?
(1) $\text{var}(X + Y) = \text{var}(X - Y)$
(2) $\text{cov}(X + Y, X - Y) = 0$
(3) $\text{corr}(X, X + Y) = \frac{1}{\sqrt{2}}$
(4) $\text{corr}(X, Y - X) = \frac{1}{\sqrt{2}}$

25. A school bus goes from the pickup point to the school at a speed of 40 km/hr and comes back from the school to the pickup point at a speed of 60 km/hr. What is the average speed of the school bus?
(1) 50 km/hr  (2) 45 km/hr
(3) 48 km/hr  (4) 40 km/hr

26. The mean square deviations of a set of observations $x_i$ ; $i=1, 2, \ldots, n$ about the points 1 and −1 are 7 and 3 respectively. The standard deviation of the observations is:
(1) $\sqrt{3}$  (2) 4
(3) 5  (4) $2\sqrt{2}$

27. A study of shares of four companies A, B, C and D over a period of five years showed the following details:

<table>
<thead>
<tr>
<th>Company</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Price</td>
<td>25</td>
<td>15</td>
<td>20</td>
<td>18</td>
</tr>
<tr>
<td>St. Dev. of Price</td>
<td>3.6</td>
<td>2.4</td>
<td>3.0</td>
<td>3.6</td>
</tr>
</tbody>
</table>

The company with the most stable share is:
(1) A  (2) B  (3) C  (4) D

28. If correlation coefficient between two variables X and Y is 0.6, then correlation coefficient between u and v, where $u = 1 - \frac{1}{2}X$ and $v = \frac{1}{3}Y + 2$ is:
(1) 0.1  (2) −0.1
(3) 0.6  (4) −0.6

29. Let X and Y be two uncorrelated variables, then which of the following is incorrect if X and Y have same variance?
(1) $\text{var}(X + Y) = \text{var}(X - Y)$
(2) $\text{cov}(X + Y, X - Y) = 0$
(3) $\text{corr}(X, X + Y) = \frac{1}{\sqrt{2}}$
(4) $\text{corr}(X, Y - X) = \frac{1}{\sqrt{2}}$
30. If the correlation coefficient between two variables $x$ and $y$ is $-1$, then the relation between regression coefficient of $y$ on $x$ ($b_{yx}$) and the regression coefficient of $x$ on $y$ ($b_{xy}$) is

(1) $b_{yx} > b_{xy}$
(2) $b_{yx} < b_{xy}$
(3) $b_{yx} \cdot b_{xy} = -1$
(4) $b_{yx} \cdot b_{xy} = 1$

31. The two lines of regression are given by $3x - 2y = 5$ and $8y - 3x = 7$. The means of $x$ and $y$, and the correlation coefficient between $x$ and $y$ are respectively:

(1) 2, 3 and 0.25  (2) 2, 3 and 0.5
(3) 3, 2 and 0.5  (4) 3, 2 and 0.25

32. One observation is drawn from a population with probability density function

$$f(x, \theta) = \theta(1 - x)^{\theta - 1}; 0 \leq x \leq 1$$

If the critical region for testing $H_0 : \theta = 1$ against $H_1 : \theta = 2$ is $x > 0.8$, then size of the test is

(1) 0.02  (2) 0.04  (3) 0.2  (4) 0.8

33. Read the following statement:

In testing equality of two population means using student’s $t$ test, the following assumptions are made:

(I) Samples should be drawn from normal populations.

(II) Population variances should be known and equal.

Which of (I) and/or (II) is/are correct?

(1) Only (I) is correct.
(2) Only (II) is correct.
(3) Both (I) and (II) are correct.
(4) Neither (I) nor (II) is correct.
34. A critical region for testing simple null hypothesis against the simple alternative hypothesis is said to be unbiased for probability of Type-I error $\alpha$ and probability of Type-II error $\beta$, if

(1) $\alpha + \beta \geq 1$
(2) $\alpha + \beta \leq 1$
(3) $\alpha + \beta = 1$
(4) None of these

35. A random sample of size $n$ is drawn from $N(\mu, \sigma^2)$; $\mu$ is known.

If $S^2 = \frac{1}{n} \sum_{i=1}^{n} (x_i - \mu)^2$ and $S^2 = \frac{1}{(n-1)} \sum_{i=1}^{n} (x_i - \bar{x})^2$, then $100(1-\alpha)\%$ confidence interval for $\sigma^2$ is given by:

(1) $\left( \frac{ns^2}{\chi^2(n, a/2)}, \frac{ns^2}{\chi^2(n, 1-a/2)} \right)$
(2) $\left( \frac{(n-1)s^2}{\chi^2(n-1, a/2)}, \frac{(n-1)s^2}{\chi^2(n-1, 1-a/2)} \right)$
(3) $\left( \frac{nS^2}{\chi^2(n, a/2)}, \frac{nS^2}{\chi^2(n, 1-a/2)} \right)$
(4) $\left( \frac{ns^2}{\chi^2(n, a/2)}, \frac{ns^2}{\chi^2(n, 1-a/2)} \right)$

36. The following table gives the prices and quantities of three commodities for the base and current years:

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Base Year</th>
<th>Current Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
<td>$x$</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>4</td>
</tr>
</tbody>
</table>

If Laspeyres and Paasche’s index numbers are in the ratio of 28 : 27 and the Fisher’s Ideal number is $\sqrt{7}/3$, the values of $x$ and $y$ are respectively:

(1) 3, 2
(2) 2, 3
(3) 2, 4
(4) 4, 4
37. The consumer price index numbers for the year 2015 and 2016 with the base year 2010 are 320 and 400 respectively. The consumer price index for 2016 with 2015 as the base year would be
(1) 80  (2) 100  (3) 125  (4) 128

38. For the following time series data for seven years:
15, 24, 18, 33, 42, 36, 45
The three years moving averages are
(1) 19, 21, 25, 27, 31
(2) 19, 25, 31, 27, 41
(3) 19, 25, 21, 37, 41
(4) 19, 25, 31, 37, 41

39. Read the following statements:
(A) The cost of living index numbers are used to determine purchasing power of money.
(B) The consumer price indices are useful in wage negotiations.
(C) The wholesale price index is used as the main measure of inflation in India.

Choose the correct statement:
(1) Only (A) and (B)
(2) Only (B) and (C)
(3) Only (A) and (C)
(4) All (A), (B) and (C)

40. The trend equation for yearly data, with the year 2007 as origin is given by
\[ \hat{y}_t = 20 + 2t \]
The trend equation with 2012 as origin is:
(1) \[ \hat{y}_t = 30 + 10t \]
(2) \[ \hat{y}_t = 30 + 2t \]
(3) \[ \hat{y}_t = 20 + 10t \]
(4) \[ \hat{y}_t = 20 + 2t \]
41. काल श्रेणी के घटकों का मिलान, उनको नियामित करने के तरीकों से, जो कालम II में दिए हैं, कीजिए:

<table>
<thead>
<tr>
<th>कालम I</th>
<th>कालम II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) उपनिषत</td>
<td>(I) शृंखलित आपेक्षिक पद्धति</td>
</tr>
<tr>
<td>(B) मौसमी घटक</td>
<td>(II) हरात्मक विश्लेषण</td>
</tr>
<tr>
<td>(C) चक्रीय घटक</td>
<td>(III) वेरियेट डिफरेंस पद्धति</td>
</tr>
<tr>
<td>(D) यादृच्छिक</td>
<td>(IV) चल माध्य पद्धति</td>
</tr>
</tbody>
</table>

सही जोड़ी का चुनाव कीजिए:

(A) (B) (C) (D)  
(1) (IV) (II) (I) (III)  
(2) (IV) (I) (II) (III)  
(3) (IV) (III) (II) (I)  
(4) (IV) (II) (III) (I)

42. निम्नलिखित कथनों को पढ़िये:

(A) साधारण विश्लेषण के लिये विशिष्ट मृत्यु दर, मृत्यु दर को मापन का सबसे अच्छा माप है।

(B) मानकीकृत मृत्यु दर का प्रयोग, दो क्षेत्रों की मृत्यु दर की तुलना के लिये होता है।

(C) विशिष्ट मृत्यु दर, मृत्यु दर के अंतरालमय घटकों की उपेक्षा करती है।

उपरोक्त कथनों में से कौन से कथन सही हैं?

(1) केवल (A) व (B)  
(2) केवल (B) व (C)  
(3) केवल (A) व (C)  
(4) सभी (A), (B) और (C)

43. यदि $q_x$ किसी व्यक्ति की $(x, x+1)$ आयु अंतराल में मृत्यु होने की प्रायिकता है और $m_x$ केन्द्रीय मृत्यु दर है, तो $m_x$ का मान होगा:

<table>
<thead>
<tr>
<th>विकल्प</th>
<th>प्रश्न</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) $\frac{q_x}{1 - q_x}$</td>
<td>(2) $\frac{2q_x}{1 + q_x}$</td>
</tr>
<tr>
<td>(3) $\frac{q_x}{2 - q_x}$</td>
<td>(4) $\frac{2q_x}{2 - q_x}$</td>
</tr>
</tbody>
</table>

41. Match the components of time series with their methods of determination given in column-II:

<table>
<thead>
<tr>
<th>Column-I</th>
<th>Column-II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) Trend</td>
<td>(i) Link Relative Method</td>
</tr>
<tr>
<td>(B) Seasonal</td>
<td>(ii) Harmonic Component Analysis</td>
</tr>
<tr>
<td>(C) Cyclical components</td>
<td>(iii) Variate Difference Method</td>
</tr>
<tr>
<td>(D) Random</td>
<td>(iv) Method Moving Component Averages</td>
</tr>
</tbody>
</table>

Choose the correct match:

(A) (B) (C) (D)  
(1) (iv) (ii) (i) (iii)  
(2) (iv) (i) (ii) (iii)  
(3) (iv) (iii) (ii) (i)  
(4) (iv) (ii) (iii) (i)

42. Read the following statements:

(A) Specific death rate is the best measure of mortality for general analytical purpose.

(B) Standardized death rate is used to compare mortality rates of two regions.

(C) The specific death rate ignores the factors of differential mortality.

Which of the above statements are correct?

(1) Only (A) and (B)  
(2) Only (B) and (C)  
(3) Only (A) and (C)  
(4) All (A), (B) and (C)

43. If $q_x$ is the probability of a person dying in the age interval $(x, x+1)$ and $m_x$ is the central mortality rate, then $m_x$ equals

<table>
<thead>
<tr>
<th>विकल्प</th>
<th>प्रश्न</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) $\frac{q_x}{1 - q_x}$</td>
<td>(2) $\frac{2q_x}{1 + q_x}$</td>
</tr>
<tr>
<td>(3) $\frac{q_x}{2 - q_x}$</td>
<td>(4) $\frac{2q_x}{2 - q_x}$</td>
</tr>
</tbody>
</table>
44. For a population if

(A) NRR = GRR, all the new born girls survive till the end of the reproductive period.

(B) NRR = 1, then for a given fertility and female mortality, a group of new born girls will exactly replace itself in the next generation.

Which of the above statements is/are correct?

(1) Only (A)
(2) Only (B)
(3) Both (A) and (B)
(4) Neither (A) nor (B)

45. If \( S_1^2 \) is the variance of sample mean for simple random sampling with replacement and \( S_2^2 \) is the variance of sample mean for simple random sampling without replacement, then

(1) \( S_1^2 < S_2^2 \)
(2) \( S_1^2 = S_2^2 \)
(3) \( S_1^2 > S_2^2 \)
(4) There is no relation between the two.

46. A population of 900 units is divided into three strata of sizes 200, 300 and 400 units. The standard deviations of the units in the strata are known to be 3, 6 and 6 respectively. If a sample of size 40 is to be chosen using Neymann optimum Allocation, the sizes of the samples from each stratum are respectively:

(1) 8, 16, 16
(2) 5, 15, 20
(3) 10, 15, 15
(4) 5, 20, 15
47. Which of the following statements is **incorrect**?

1. Efficiency of a cluster sampling increases if cluster size decreases.
2. The clusters are so formed that the variation within the clusters is as small as possible and that between the clusters is as large as possible.
3. In cluster sampling, an entire cluster is taken as the sampling unit.
4. In cluster sampling, every unit of the population under study must correspond to only one cluster.

48. The two stage sampling is more efficient than the single stage sampling if the correlation between the units in the first stage is

1. Zero
2. Positive
3. One
4. Negative

49. Post-independence, the registration of births and deaths was made compulsory and uniform all over India through the Registration of Births and Deaths Act. In which year, the Act was passed?

1. 1950
2. 1965
3. 1969
4. 1972

50. The agricultural census in India is conducted on:

1. Annual basis
2. Quinquennial basis
3. Decadal basis
4. Adhoc basis

51. Which of the following is not a division of Central Statistics Office (CSO)?

1. Survey Design and Research Division
2. Social Statistics Division
3. National Accounts Division
4. Economic Statistics Division
52. From the following which is not a cause of shift in the demand curve?
   (1) Change in the price of substitute good.
   (2) Change in the price of complementary good.
   (3) Change in the income of consumer.
   (4) Change in the price of good.

53. What is the shape of demand curve of a firm under perfect competition?
   (1) Perfectly Elastic
   (2) Perfectly Inelastic
   (3) Negatively sloped less elastic
   (4) Negatively sloped more elastic

54. Expansion of supply refers to a situation when the producers are willing to supply a
   (1) larger quantity of the commodity at an increased price.
   (2) larger quantity of the commodity due to increased taxation on that commodity.
   (3) larger quantity of the commodity at the same price.
   (4) larger quantity of the commodity at the decreased price.

55. Which of these is not a quantitative method of credit control?
   (1) Bank Rate
   (2) Repo Rate
   (3) Cash Reserve Ratio
   (4) Margin Requirements

56. Which of the following is not a function of money?
   (1) Measure of Value
   (2) Medium of Exchange
   (3) Unit of Account
   (4) Price Stability
57. From the following which is not a component of “Deendayal Antyodaya Yojna – National Urban Livelihood Mission” as implemented in Rajasthan?
   (1) Capacity Building and Training
   (2) Self-Employment Programme
   (3) Social Mobilization and Institutional Development
   (4) Improved Policy Framework

58. For Mitigating Poverty in Western Rajasthan, the government of Rajasthan implemented MPower with support of:
   (1) International Fund for Agriculture Development & Sir Ratan Tata Trust
   (2) International Bank for Reconstruction & Development & Ambani Trust
   (3) World Trade Organisation & Gopichand Hinduja Trust
   (4) International Monetary Funds & Lakshmi Mittal Trust

59. Global Rajasthan Agritech Meet (GRAM) was organised from 7th to 9th November, 2017 at:
   (1) Kota  (2) Udaipur  (3) Jaipur  (4) Jodhpur

60. Under the Bhamashah Pashu Bima Yojana, what is the per cent subsidy on premium of cattle insurance for SC/ST/BPL livestock Breeders?
   (1) 50%  (2) 60%  (3) 70%  (4) 80%

61. In Rajasthan during the year 2016-17 the production of food grain was –
   (1) 183 lakh tonne
   (2) 231 lakh tonne
   (3) 196 lakh tonne
   (4) 210 lakh tonne
62. **Economic Planning means**

(1) The allocation of economic resources and the determination of production by market forces.

(2) The use of monetary and fiscal policy to solve economic problems.

(3) The allocation of economic resources and the determination of production on the basis of a plan.

(4) Government permission is necessary to establish an industry.

63. What was the ratio of Rajasthan’s Gross State Domestic product at constant (2011-12) prices in India’s Gross Domestic Product at constant (2011-12) prices in 2016-17?

(1) 2.93
(2) 10.93
(3) 7.93
(4) 4.93

64. What is the target of fiscal deficit as a proportion of Gross State Domestic Product of Rajasthan for the financial year 2019-20 as per budget statement given by Chief Minister in Vidhan Sabha on 13 February 2019?

(1) 3.2
(2) 3.0
(3) 2.7
(4) 3.8

65. When the demand curve is vertical, it represents:

(1) Perfectly elastic demand
(2) Perfectly inelastic demand
(3) Unitary elastic demand
(4) Relatively elastic demand

66. In a perfectly competitive market,

(1) marginal revenue is zero.
(2) marginal revenue is equal to average revenue.
(3) marginal revenue is less than average revenue.
(4) marginal revenue is more than average revenue.
67. Which of the following is not included in National income?
   (1) Wages and Salaries
   (2) Profit
   (3) Imputed rent on self-occupied properties
   (4) Old age pension

68. Which of the following external agency is providing financial help for Delhi-Mumbai industrial corridor project?
   (1) Asian Development Bank
   (2) World Bank
   (3) German Government
   (4) Japan Government

69. For estimating national income at constant prices, which is the present base year?
   (1) 2011-12
   (2) 2004-05
   (3) 2000-01
   (4) 1999-2000

70. How much bank loan is provided on subsidised interest rate of 8 percent under Bhamashah Rojgar Srijan Yojana to benefit young educated unemployed youth?
   (1) 10 lakh
   (2) 15 lakh
   (3) 20 lakh
   (4) 25 lakh

71. What is the share of Rajasthan in total livestock of the country as per the livestock census-2012?
   (1) 11.27%
   (2) 15.27%
   (3) 10.27%
   (4) 20.27%
72. The value of
\[0.5 \times 5 + 0.25 \times 0.5 + 0.5 \times 4 + 0.5 \times 0.75\]
(1) 10 (2) 5 (3) 15 (4) 25

73. A ribbon of length \(5\frac{1}{4}\) m is cut into small pieces each of the length \(\frac{3}{4}\) m. Number of pieces will be:
(1) 5 (2) 6 (3) 7 (4) 8

74. If 90% of \(x\) is 315 km, then the value of \(x\) is:
(1) 325 km (2) 350 km (3) 405 km (4) 340 km

75. Simplify
\[\left[ \left( \frac{3}{5} \right)^3 \times \left( \frac{3}{5} \right)^8 \right] + \left[ \left( \frac{3}{5} \right)^2 \times \left( \frac{3}{5} \right)^4 \right]\]
(1) \(\left( \frac{3}{5} \right)^4\) (2) \(\left( \frac{3}{5} \right)^5\) (3) \(\left( \frac{3}{5} \right)^6\) (4) \(\left( \frac{3}{5} \right)^2\)

76. Which of the following is not true?
(1) Rational numbers are closed under addition.
(2) Rational numbers are closed under subtraction.
(3) Rational numbers are closed under multiplication.
(4) Rational numbers are closed under division.
77. यदि 10 बटर का क्रय मूल्य 8 बटर के विक्रय मूल्य के बाराबर है, तो निम्नलिखित लेन-देन में कौन सा सत्य है?
(1) 25% का लाभ (2) 25% की हानि (3) 20% का लाभ (4) 20% की हानि

78. यदि \( x \) और \( y \) प्रत्यक्ष अनुपात में हैं, तो \( \frac{1}{x} \) और \( \frac{1}{y} \) होंगे?
(1) प्रत्यक्ष अनुपात में (2) विलोम अनुपात में (3) न ही प्रत्यक्ष और न ही विलोम अनुपात में (4) कुछ समय प्रत्यक्ष अनुपात में और कुछ समय विलोम अनुपात में

79. यदि abc एक तीन अंकीय संख्या है तो abc + bca + cab निम्नलिखित में से किससे विभाजित नहीं होगा?
(1) a + b + c (2) 3 (3) 37 (4) 9

80. यदि \( \sqrt{x} + \frac{58}{\sqrt{x}} = 31 \), तो निम्नलिखित में से x का मान होगा?
(1) 529 (2) 931 (3) 729 (4) 841

81. एक लड़के की उम्र उसकी माँ की उम्र से 1/5 है। लड़के की तथा उसकी माँ की उम्र का योग उसके पिता की उम्र के बराबर है। 15 साल के परिवार, लड़के की तथा उसकी मां की उम्र का योग उसके पिता की उम्र का 4/3 होगा। चर्चा में पूरा, माँ और पिता की उम्र का अनुपात निम्नलिखित में कौन सा होगा?
(1) 1:5:7 (2) 2:10:10 (3) 1:5:6 (4) 2:8:9

77. If the cost price of 10 shirts is equal to the selling price of 8 shirts, then which of the following is true for the transaction?
(1) Profit of 25% (2) Loss of 25% (3) Profit of 20% (4) Loss of 20%

78. Both \( x \) and \( y \) are in direct proportion, then \( \frac{1}{x} \) and \( \frac{1}{y} \) are
(1) in direct proportion. (2) in inverse proportion. (3) neither in direct nor inverse proportion. (4) sometimes in direct and sometimes in inverse proportion.

79. Let abc be a three-digit number. Then abc + bca + cab is not divisible by
(1) a + b + c (2) 3 (3) 37 (4) 9

80. If \( \sqrt{x} + \frac{58}{\sqrt{x}} = 31 \), then which of the following can be the value \( x \)?
(1) 529 (2) 931 (3) 729 (4) 841

81. The age of a boy is one-fifth of the age of his mother and the sum of the ages of the son and the mother is equal to the age of the father. After 15 years, the sum of the ages of the son and his mother will be four-third of his father’s age. Then the ratio of the present ages of son, mother and father respectively
(1) 1 : 5 : 7 (2) 2 : 10 : 10 (3) 1 : 5 : 6 (4) 2 : 8 : 9
82. एम.एस. वर्ड में बनी हुई फाइल कहलाती है
(1) लॉग
(2) आरकाइव
(3) टेक्स्ट
(4) डॉक्यूमेंट

83. डिटॉर्म रूप से एम.एस. ऑफिस में _______ हेडर
या फुटर को प्रदर्शित किया जाता है।
(1) पहले पृष्ठ पर
(2) सभी पृष्ठों पर
(3) अंतिम पृष्ठ पर
(4) इमेल से कोई नहीं

84. निम्न में से कौन सा एम.एस. ऑफिस पावरपॉइंट का सही फाइल प्रारूप है?
(1) A.pptx
(2) A.dot
(3) A.txt
(4) A.pdf

85. निम्न में से कौन सी शॉटकट की, नई स्लाइड को
सम्यक तरीके के लिए, वर्तमान प्रतिबन्ध में
प्रयोग की जाती है?
(1) Ctrl + O
(2) Ctrl + M
(3) Ctrl + N
(4) Ctrl + F

86. निम्न में से कौन सा एम.एस. पावरपॉइंट
प्रस्तुति में स्मार्ट आर्ट का प्रकार होता है?
(1) ग्राफिक्स
(2) टेक्स्ट
(3) वर्डआर्ट
(4) इमेल से कोई नहीं
87. Which one of the following chart is not present in M.S. Excel?
   (1) Structure chart
   (2) Column chart
   (3) Bar chart
   (4) Doughnut chart

88. In which bar the currency symbols are used in M.S. Excel?
   (1) Formatting Toolbar
   (2) File Toolbar
   (3) Insert Toolbar
   (4) None of these

89. In M.S. Excel, column in a table is called as
   (1) Database
   (2) Attribute
   (3) Tuple
   (4) Data

90. URL is
   (1) Uniform Resource Locator
   (2) Unified Resource Locator
   (3) Uniform Research Locator
   (4) Unified Review Locator

91. World Wide Web is proposed by
   (1) Bill Gate
   (2) Bill Rogers
   (3) Tim Berners Lee
   (4) None of these
92. निम्नलिखित में से कौन सा राजस्थान के दक्षिणात्य भाग में अवस्थित है?
   (1) लूंगी बेसिन
   (2) माही बेसिन
   (3) बनास बेसिन
   (4) दक्षिणी अरावली

93. मांजरी आबू के चारों ओर 1000-1300 मीटर की कैबाई एवं 150 सेंटीमीटर वर्षा वाले भागों में किस प्रकार के बन पाये जाते है?
   (1) शुष्क सागरावन बन
   (2) मिश्रित पूर्णपाती बन
   (3) अर्ध-उष्ण सदाबहार बन
   (4) रंकुंधारी बन

94. निम्नलिखित में से कौन सा बाग नहीं है?

<table>
<thead>
<tr>
<th>नदी</th>
<th>बांध</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) कोठारी</td>
<td>मेजा</td>
</tr>
<tr>
<td>(2) रावि-ब्यास</td>
<td>नोहर</td>
</tr>
<tr>
<td>(3) बनास</td>
<td>बीसलपुर</td>
</tr>
<tr>
<td>(4) मोरेल</td>
<td>पाँचना</td>
</tr>
</tbody>
</table>

95. पाली, नागरी तथा अजमेर जिलों में किस प्रकार की मूल पाई जाती है?
   (1) पीली-भूरी
   (2) धूसर-भूरी (प्रे-ब्राज़न) जलों
   (3) लाल दोमट
   (4) गहरी मध्यम काली

92. Which of the following is located in the southernmost part of Rajasthan?
   (1) Luni Basin
   (2) Mahi Basin
   (3) Banas Basin
   (4) Southern Aravalli

93. Which type of forest is found around Mt. Abu where average rainfall is above 150 cm and elevation is 1000-1300 metres?
   (1) Dry teak forest
   (2) Mixed deciduous forest
   (3) Sub-tropical evergreen forest
   (4) Coniferous forest

94. Which of the following pair is incorrect?

<table>
<thead>
<tr>
<th>River</th>
<th>Dam</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Kothari</td>
<td>Meja</td>
</tr>
<tr>
<td>(2) Ravi-Beas</td>
<td>Nohar</td>
</tr>
<tr>
<td>(3) Banas</td>
<td>Bisalpur</td>
</tr>
<tr>
<td>(4) Morel</td>
<td>Panchana</td>
</tr>
</tbody>
</table>

95. Which type of soil is found in Pali, Nagor and Ajmer districts?
   (1) Yellowish Brown
   (2) Grey Brown Alluvial
   (3) Red Loam
   (4) Deep Medium Black
96. Match the following with the help of codes given below:

<table>
<thead>
<tr>
<th>Main River</th>
<th>Tributary</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) Chambal</td>
<td>(i) Bandi</td>
</tr>
<tr>
<td>(B) Luni</td>
<td>(ii) Mansi</td>
</tr>
<tr>
<td>(C) Mahi</td>
<td>(iii) Wapani</td>
</tr>
<tr>
<td>(D) Banas</td>
<td>(iv) Anas</td>
</tr>
</tbody>
</table>

Codes:

(A) (B) (C) (D)
(1) (iii) (i) (ii) (iv)
(2) (iv) (iii) (ii) (i)
(3) (i) (iv) (ii) (iii)
(4) (iii) (i) (iv) (ii)

97. Which of the following is not a sheep breed in Rajasthan?

(1) Magra    (2) Pugal    (3) Marwari (4) Malvi

98. ‘Usta’ Art is related with

(1) Wood Carving Work    (2) Leather Craft
(3) Marble Carving Work   (4) Decorative Lac Craft

99. In which year ‘Desert Development Programme’ was launched?

(1) 1977-78    (2) 1983-84    (3) 1991-92 (4) 1980-81

100. As per Census 2011, what is the literacy rate of rural and urban areas in Rajasthan?

<table>
<thead>
<tr>
<th>Rural</th>
<th>Urban</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) 67.3%</td>
<td>76.2%</td>
</tr>
<tr>
<td>(2) 71.7%</td>
<td>78.5%</td>
</tr>
<tr>
<td>(3) 61.4%</td>
<td>79.7%</td>
</tr>
<tr>
<td>(4) 64.8%</td>
<td>72.5%</td>
</tr>
</tbody>
</table>