

This Question Booklet contains
24 printed pages

DE-2024

Total Marks : 200

Time : 150 Minutes

Candidate's

Seat No. :

Question
Booklet
Code :



A

Seal Sticker

Candidate's Signature _____

Block Supervisor's Signature _____

DO NOT OPEN QUESTION BOOKLET UNTIL INSTRUCTED.

INSTRUCTIONS FOR CANDIDATE:

1. Check Number printed on your OMR SHEET and Question Paper with your SEAT No. before answering the questions. Consult block supervisors in case the above mentioned numbers do not match with your seat number.
2. There are two sections in this question paper. There are total 100 questions. For answer of each question A, B, C, D, E options are given in OMR SHEET. In OMR SHEET, there is "E" option. "E" option is for "Not Attempted". If candidate do not wish to answer the question he/she should select "E" option (Not Attempted). All questions are compulsory.

For Example:

Which state of India has the longest sea shore ?

A B C D E

(A) Maharashtra (B) Tamilnadu

(C) Gujarat (D) Andhra Pradesh

In this example, the right answer is (C). Therefore, the Circle of (C) has been darkened (encoded). Candidate should not give the answer "Gujarat" in writing.

The options once darkened/answered by candidate cannot be changed.

3. Candidates are not permitted to leave examination hall during examination.
4. Candidates must strictly enter SEAT NO. in the designated space provided in OMR SHEET as well as Question Paper neatly as soon as they receive the OMR SHEET & Question Paper.
5. Candidates must not write name or put any identification sign/symbol on OMR SHEET. In such case strict disciplinary action will be taken against candidate & will be considered disqualified/ineligible. Only Seat No. must be entered at designated space provided in OMR SHEET.

6. Both, Candidate's & Supervisor's signature must be done on Certificate of OMR SHEET. Unsigned OMR SHEET would not be considered for evaluation.
7. Candidates are not permitted to use or carry with them any kind of literature, guide, hand written notes, or printed books, mobile phone, pagers, smart watches, camera or any electronic gadgets to examination hall.
8. Use of only Non-scientific / Non-programmable calculator shall allow during examination.
9. Candidates are not permitted to talk/discuss in the Examination Hall. Any candidate found violating supervisor's instructions will be disqualified.
10. Candidates must fully darken circle A, B, C, D and E accordingly with Blue / Black ball pen. If answers are marked with any other coloured ball pen, pencil, white ink (whitner), any corrections are done by candidate by means of blade or rubber or whitner will not be considered for evaluation.
11. Candidates may carry QP with them after Examination.
12. **For correct answer 2 (Two) marks will be given.**

For negative marking :

If candidate -

- Gives wrong answer or
- Darkens more than one option (multi mark) as answer for one question

in OMR SHEET then 0.50 marks will be deducted.

If candidate does not want to answer a particular question and marks (E) or leave the option without encoding on OMR sheet, then no minus marks will be given.

Submit the OMR SHEET to the block supervisor after completion of examination without fail before leaving examination hall, failure to do so will result in disqualification of the candidature for the examination and disciplinary action will be taken against such candidate.

SECTION - 1

001. પાવરનો એસ.આઈ. એકમ શું થાય ?
(A) જૂલ (B) વોટ
(C) વોટ (D) એમ્પિયર

002. એક માઈકોમીટર સ્કુ નો પેચ 0.5 mm છે. તેની વર્તુળાકાર માપપદ્ધી પર 50 કાંપા હોય તો તેની લઘુતમ માપશક્તિ શું થાય છે ?
(A) 0.1 mm (B) 0.001 mm
(C) 1 mm (D) 0.01 mm

003. $10 \text{ ડાઈન} = \dots \dots \dots \text{ ન્યુટન}$
(A) 10^{-5} (B) 10^{-4}
(C) 10^5 (D) 10^7

004. ઉર્જાનો CGS એકમ શું છે ?
(A) ન્યુટન (B) વોટ
(C) જૂલ (D) અગ્ર

005. પાણીના વહીભવનાંકનું માપન કરતાં, મળેલા મુલ્યો આ મુજબના છે. $1.30, 1.32, 1.34, 1.35, 1.31$ તો સરેરાશ નિરપેક્ષ નૂઠી શોધો.
(A) 0.01254 (B) 0.1254
(C) 1.254 (D) 0.001254

006. કયા સાધનની મદદથી રીંગનો અંદરનો વ્યાસનું માપન કરી શકાય ?
(A) વર્નિયર કેલીપર્સ (B) માઈકોમીટર સ્કુ
(C) સ્કેરોમીટર (D) ભौતિક તુલા

007. ન્યુટનના બીજા નિયમનું ગાણીતીક સ્વરૂપે છે.
(A) $F = mv$ (B) $P = mv$
(C) $F = ma$ (D) $P = ma$

008. જો કોઈ વસ્તુનું દળ 5 kg હોય, તેમજ તેની ઉપર લગાડવામાં આવતું બળ 30N હોય, તો ઉત્પન્ન થતો પ્રવેગ શોધો.
(A) 0.6 m/s^2 (B) 6 m/s^2
(C) 6 m/s (D) 0.6 m/s

009. એ બળનો આધાતના ઉદાહરણો છે.
(A) પેકીંગ કરતી વખતે ચાઈના કે કાચના સાધનોને પેપરમાં વિટાંણવામાં આવે છે.
(B) ટ્રેનની બોગીઓ (ઇઝબા) વચ્ચે બફર રાખવામાં આવે છે.
(C) (A) અને (B) બન્ને
(D) ઉપરોક્ત પૈકી એક પણ નહીં

SECTION - 1

041. _____ is not valid data type in MS-Excel ?

- | | |
|------------|---------------|
| (A) Number | (B) Character |
| (C) Label | (D) Date/Time |

042. What is the max zoom percentage in MS-PowerPoint?

- | | |
|---------|---------|
| (A) 400 | (B) 300 |
| (C) 200 | (D) 100 |

043. Which is not in MS-Word ?

- | | |
|------------|----------------|
| (A) Italic | (B) Magic tool |
| (C) Font | (D) Bold |

044. CPU consist of

- | | |
|---------------|-----------------------|
| (A) ALU + CU | (B) ROM + ALU |
| (C) RAM + ROM | (D) None of the above |

045. Which of the following is not OS (Operating System)

- | | |
|-----------|----------------------|
| (A) UNIX | (B) MS-DOS |
| (C) LINUX | (D) Microsoft Office |

046. Which pollutant is commonly associated with “blue baby Syndrome” in infants?

- | | |
|-------------|-------------|
| (A) Lead | (B) Arsenic |
| (C) Mercury | (D) Nitrate |

047. Clouds are present in _____ layer of atmosphere.

- | | |
|------------------|------------------|
| (A) Stratosphere | (B) Troposphere |
| (C) Mesosphere | (D) Thermosphere |

048. CFCs are not recommended to be used in refrigerators because they _____

- | | |
|--------------------------|------------------------|
| (A) Increase temperature | (B) Affect environment |
| (C) Deplete ozone | (D) Affect human body |

049. What is the approximate efficiency range of modern solar photovoltaic (PV) panels in converting Sunlight in to electricity?

- | | |
|--------------|--------------|
| (A) 5 - 10% | (B) 15 - 20% |
| (C) 20 - 30% | (D) 40 - 50% |

050. Which pollutant is primarily responsible for causing respiratory problems and cardiovascular diseases in humans?

- | | |
|-------------------------------|--------------------------|
| (A) Lead | (B) Benzene |
| (C) Particulate matter (PM10) | (D) Carbon Monoxide (CO) |

SECTION - 2

051. યોગ્ય તરીકે $A = \begin{bmatrix} 1 & -1 \\ 1 & 2 \end{bmatrix}$ અને $B = \begin{bmatrix} 2 & 1 \\ -1 & 3 \end{bmatrix}$ હોય તો $(AB)^T = \underline{\hspace{2cm}}$ થાય.

(A) $\begin{bmatrix} 3 & -2 \\ 7 & 0 \end{bmatrix}$

(B) $\begin{bmatrix} 3 & 0 \\ -2 & 7 \end{bmatrix}$

(C) $\begin{bmatrix} 3 & -2 \\ 0 & 7 \end{bmatrix}$

(D) $\begin{bmatrix} 3 & 0 \\ 7 & -2 \end{bmatrix}$

052. યોગ્ય તરીકે $A = \begin{bmatrix} 1 & 2 & 1 \\ 2 & 1 & 3 \\ 1 & 1 & 0 \end{bmatrix}$ હોય તો $|A| = \underline{\hspace{2cm}}$ થાય.

(A) -3

(B) 3

(C) -4

(D) 4

053. યોગ્ય તરીકે $A = \begin{bmatrix} 2 & -1 \\ 3 & 1 \end{bmatrix}$ હોય તો $A^{-1} = \underline{\hspace{2cm}}$ થાય.

(A) $\frac{1}{5} \begin{bmatrix} 1 & 1 \\ -3 & 2 \end{bmatrix}$

(B) $\frac{1}{5} \begin{bmatrix} 2 & 1 \\ -3 & 1 \end{bmatrix}$

(C) $\frac{1}{5} \begin{bmatrix} 1 & -1 \\ 3 & 2 \end{bmatrix}$

(D) $\frac{1}{5} \begin{bmatrix} -2 & 3 \\ -1 & -1 \end{bmatrix}$

054. યોગ્ય તરીકે $A = \begin{bmatrix} 2 & -1 \\ 1 & 0 \end{bmatrix}$ અને $B = \begin{bmatrix} 1 & 0 \\ 2 & 3 \end{bmatrix}$ હોય તો $3B - 2A = \underline{\hspace{2cm}}$ થાય.

(A) $\begin{bmatrix} 4 & -3 \\ -1 & 6 \end{bmatrix}$

(B) $\begin{bmatrix} 4 & -3 \\ -1 & -6 \end{bmatrix}$

(C) $\begin{bmatrix} -1 & 2 \\ 4 & -9 \end{bmatrix}$

(D) $\begin{bmatrix} -1 & 2 \\ 4 & 9 \end{bmatrix}$

055. $\sin(225^\circ) = \underline{\hspace{2cm}}$

(A) $\frac{-1}{\sqrt{2}}$

(B) $\frac{1}{\sqrt{2}}$

(C) $\frac{\sqrt{3}}{2}$

(D) $\frac{-1}{2}$

SECTION - 2

051. If $A = \begin{bmatrix} 1 & -1 \\ 1 & 2 \end{bmatrix}$ and $B = \begin{bmatrix} 2 & 1 \\ -1 & 3 \end{bmatrix}$ then $(AB)^T = \underline{\hspace{2cm}}$.

(A) $\begin{bmatrix} 3 & -2 \\ 7 & 0 \end{bmatrix}$

(B) $\begin{bmatrix} 3 & 0 \\ -2 & 7 \end{bmatrix}$

(C) $\begin{bmatrix} 3 & -2 \\ 0 & 7 \end{bmatrix}$

(D) $\begin{bmatrix} 3 & 0 \\ 7 & -2 \end{bmatrix}$

052. If $A = \begin{bmatrix} 1 & 2 & 1 \\ 2 & 1 & 3 \\ 1 & 1 & 0 \end{bmatrix}$ then $|A| = \underline{\hspace{2cm}}$.

(A) -3

(B) 3

(C) -4

(D) 4

053. If $A = \begin{bmatrix} 2 & -1 \\ 3 & 1 \end{bmatrix}$ then $A^{-1} = \underline{\hspace{2cm}}$.

(A) $\frac{1}{5} \begin{bmatrix} 1 & 1 \\ -3 & 2 \end{bmatrix}$

(B) $\frac{1}{5} \begin{bmatrix} 2 & 1 \\ -3 & 1 \end{bmatrix}$

(C) $\frac{1}{5} \begin{bmatrix} 1 & -1 \\ 3 & 2 \end{bmatrix}$

(D) $\frac{1}{5} \begin{bmatrix} -2 & 3 \\ -1 & -1 \end{bmatrix}$

054. If $A = \begin{bmatrix} 2 & -1 \\ 1 & 0 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 0 \\ 2 & 3 \end{bmatrix}$ then $3B - 2A = \underline{\hspace{2cm}}$.

(A) $\begin{bmatrix} 4 & -3 \\ -1 & 6 \end{bmatrix}$

(B) $\begin{bmatrix} 4 & -3 \\ -1 & -6 \end{bmatrix}$

(C) $\begin{bmatrix} -1 & 2 \\ 4 & -9 \end{bmatrix}$

(D) $\begin{bmatrix} -1 & 2 \\ 4 & 9 \end{bmatrix}$

055. $\sin(225^\circ) = \underline{\hspace{2cm}}$

(A) $\frac{-1}{\sqrt{2}}$

(B) $\frac{1}{\sqrt{2}}$

(C) $\frac{\sqrt{3}}{2}$

(D) $\frac{-1}{2}$

056. જે $\tan \theta = -\frac{12}{5}$, $\frac{3\pi}{2} < \theta < 2\pi$ હોય તો $\cos \theta = \text{_____}$ થાય.

(A) $\frac{-12}{13}$

(B) $\frac{12}{13}$

(C) $\frac{5}{13}$

(D) $\frac{-5}{13}$

057. $\cos^{-1}\left(-\frac{\sqrt{3}}{2}\right) = \text{_____}$

(A) $\frac{2\pi}{3}$

(B) $\frac{-\pi}{6}$

(C) $\frac{5\pi}{3}$

(D) $\frac{5\pi}{6}$

058. જે $|\vec{x} \times \vec{y}| = |\vec{x}| = |\vec{y}| = \sqrt{2}$ તો $(\vec{x}, \hat{\vec{y}}) = \text{_____}$ થાય.

(A) $\frac{\pi}{3}$

(B) $\frac{\pi}{4}$

(C) $\frac{\pi}{6}$

(D) $\frac{\pi}{2}$

059. જે સટિશો $(2, 3, a)$ અને $(3, -1, 4)$ પરસ્પર લંબ હોય તો $a = \text{_____}$ થાય.

(A) $\frac{-3}{4}$

(B) $\frac{3}{4}$

(C) $\frac{4}{3}$

(D) $\frac{-4}{3}$

060. જે વત્તમણ $x^2 + y^2 - 6xy + 11 = 0$ નું કેન્દ્ર $(0, -3)$ હોય તો $m = \text{_____}$ થાય.

(A) 2

(B) -2

(C) 1

(D) -1

061. બિંદુઓ $(1, -1)$ અને $(-1, 1)$ માંથી પસાર થતી રેખાનું સમીકરણ _____ થાય.

(A) $2x + y - 1 = 0$

(B) $x + 2y - 1 = 0$

(C) $x + y = 0$

(D) $x + 2y + 1 = 0$

056. If $\tan \theta = -\frac{12}{5}$, $\frac{3\pi}{2} < \theta < 2\pi$ then $\cos \theta = \text{_____}$.

(A) $\frac{-12}{13}$

(B) $\frac{12}{13}$

(C) $\frac{5}{13}$

(D) $\frac{-5}{13}$

057. $\cos^{-1}\left(-\frac{\sqrt{3}}{2}\right) = \text{_____}$

(A) $\frac{2\pi}{3}$

(B) $\frac{-\pi}{6}$

(C) $\frac{5\pi}{3}$

(D) $\frac{5\pi}{6}$

058. If $|\vec{x} \times \vec{y}| = |\vec{x}| = |\vec{y}| = \sqrt{2}$ then $(\vec{x}, \hat{\vec{y}}) = \text{_____}$.

(A) $\frac{\pi}{3}$

(B) $\frac{\pi}{4}$

(C) $\frac{\pi}{6}$

(D) $\frac{\pi}{2}$

059. If vectors $(2, 3, a)$ and $(3, -1, 4)$ are perpendicular then $a = \text{_____}$.

(A) $\frac{-3}{4}$

(B) $\frac{3}{4}$

(C) $\frac{4}{3}$

(D) $\frac{-4}{3}$

060. If the centre of the circle $x^2 + y^2 - 6my + 11 = 0$ is $(0, -3)$ then $m = \text{_____}$.

(A) 2

(B) -2

(C) 1

(D) -1

061. Equation of line passing through the points $(1, -1)$ and $(-1, 1)$ is _____ .

(A) $2x + y - 1 = 0$

(B) $x + 2y - 1 = 0$

(C) $x + y = 0$

(D) $x + 2y + 1 = 0$

062. $\lim_{x \rightarrow 0} \left(\frac{10^x - 5^x}{x} \right) = \text{_____}$

(A) $\log_e \left(\frac{1}{2} \right)$

(B) $\log_e (10)$

(C) $\log_e (5)$

(D) $\log_e (2)$

063. $\lim_{n \rightarrow \infty} \frac{3n^2 - 11n - 13}{(4n - 5)(7 - 6n)} = \text{_____}$

(A) $\frac{1}{4}$

(B) $\frac{-1}{8}$

(C) $\frac{1}{6}$

(D) $\frac{-1}{4}$

064. જે $f(x) = \log_4(x)$ હોય તો $f(64) = \text{_____}$ શાય.

(A) 3

(B) -3

(C) 6

(D) $\frac{1}{3}$

065. $\frac{d}{dx} (\cos^2 x) = \text{_____}$

(A) $\sin 2x$

(B) $-\sin 2x$

(C) $\cos 2x$

(D) $-\cos 2x$

066. $\frac{d}{dx} \left[\log \left(\sqrt{x^2 - 9} \right) \right] = \text{_____}$

(A) $\frac{1}{\sqrt{x^2 - 9}}$

(B) $\frac{x}{\sqrt{x^2 - 9}}$

(C) $\frac{9}{x^2 - 9}$

(D) $\frac{x}{x^2 - 9}$

067. જે $x = \operatorname{cosec} \theta$ અને $y = \cot \theta$ હોય તો $\frac{dy}{dx} = \text{_____}$ શાય.

(A) $\sec \theta$

(B) $\operatorname{cosec} \theta$

(C) $\sin \theta$

(D) $\cos \theta$

068. વિધેય $f(x)$ એ એ આગળ ન્યૂનતમ બને તે માટેની શરત _____ એ.

(A) $f''(a) > 0$

(B) $f''(a) < 0$

(C) $f'(a) > 0$

(D) $f'(a) < 0$

062. $\lim_{x \rightarrow 0} \left(\frac{10^x - 5^x}{x} \right) = \underline{\hspace{2cm}}$

(A) $\log_e \left(\frac{1}{2} \right)$

(B) $\log_e (10)$

(C) $\log_e (5)$

(D) $\log_e (2)$

063. $\lim_{n \rightarrow \infty} \frac{3n^2 - 11n - 13}{(4n - 5)(7 - 6n)} = \underline{\hspace{2cm}}$

(A) $\frac{1}{4}$

(B) $\frac{-1}{8}$

(C) $\frac{1}{6}$

(D) $\frac{-1}{4}$

064. If $f(x) = \log_4(x)$ then $f(64) = \underline{\hspace{2cm}}$.

(A) 3

(B) -3

(C) 6

(D) $\frac{1}{3}$

065. $\frac{d}{dx} (\cos^2 x) = \underline{\hspace{2cm}}$

(A) $\sin 2x$

(B) $-\sin 2x$

(C) $\cos 2x$

(D) $-\cos 2x$

066. $\frac{d}{dx} \left[\log \left(\sqrt{x^2 - 9} \right) \right] = \underline{\hspace{2cm}}$

(A) $\frac{1}{\sqrt{x^2 - 9}}$

(B) $\frac{x}{\sqrt{x^2 - 9}}$

(C) $\frac{9}{x^2 - 9}$

(D) $\frac{x}{x^2 - 9}$

067. If $x = \operatorname{cosec} \theta$ and $y = \cot \theta$ then $\frac{dy}{dx} = \underline{\hspace{2cm}}$.

(A) $\sec \theta$

(B) $\operatorname{cosec} \theta$

(C) $\sin \theta$

(D) $\cos \theta$

068. The necessary condition for the function $f(x)$ to be minimum at $x = a$ is $\underline{\hspace{2cm}}$.

(A) $f''(a) > 0$

(B) $f''(a) < 0$

(C) $f'(a) > 0$

(D) $f'(a) < 0$

069. $\int \cos(10x-17)dx = \text{_____} + c$

- (A) $10\sin(10x-17)$ (B) $-10\sin(10x-17)$

(C) $\frac{1}{10}\sin(10x-17)$ (D) $-\frac{1}{10}\sin(10x-17)$

070. $\int_{-1}^1 \sin^5 x \cdot \cos^8 x dx = \text{_____}$

- (A) -1 (B) 0
(C) 1/2 (D) 1/4

071. $\int e^x (\csc^2 x - \cot x) dx = \text{_____} + c$

- (A) $e^x \cdot \csc^2 x$ (B) $-e^x \cdot \csc^2 x$
(C) $e^x \cdot \cot x$ (D) $-e^x \cdot \cot x$

072. $\int \frac{x-3}{x^2-6x+40} dx = \text{_____} + c$

- (A) $\frac{1}{2}\log|x^2-6x+40|$ (B) $-\frac{1}{2}\log|x^2-6x+40|$
(C) $2\log|x^2-6x+40|$ (D) $-2\log|x^2-6x+40|$

073. $\log \frac{1}{81} \left(\frac{1}{9} \right) = \text{_____}$

- (A) 9 (B) 1/9
(C) 1/2 (D) -1/2

074. $4^{\log_2 3} + 2^{\log_8 27} = \text{_____}$

- (A) 9 (B) 10
(C) 11 (D) 12

075. અનુસૃતી 19, 15, 12, k , 8, 3 નું માપ્યક 11 હોય તો $k = \text{_____}$ માપ્ય.

- (A) 8 (B) 9
(C) 10 (D) 11

069. $\int \cos(10x-17)dx = \underline{\hspace{2cm}} + c$

- (A) $10\sin(10x-17)$ (B) $-10\sin(10x-17)$

(C) $\frac{1}{10}\sin(10x-17)$ (D) $-\frac{1}{10}\sin(10x-17)$

070. $\int_{-1}^1 \sin^5 x \cdot \cos^8 x dx = \underline{\hspace{2cm}}$

- (A) -1 (B) 0
(C) 1/2 (D) 1/4

071. $\int e^x (\csc^2 x - \cot x) dx = \underline{\hspace{2cm}} + c$

- (A) $e^x \cdot \csc^2 x$ (B) $-e^x \cdot \csc^2 x$
(C) $e^x \cdot \cot x$ (D) $-e^x \cdot \cot x$

072. $\int \frac{x-3}{x^2-6x+40} dx = \underline{\hspace{2cm}} + c$

- (A) $\frac{1}{2}\log|x^2-6x+40|$ (B) $-\frac{1}{2}\log|x^2-6x+40|$
(C) $2\log|x^2-6x+40|$ (D) $-2\log|x^2-6x+40|$

073. $\log \frac{1}{81} \left(\frac{1}{9} \right) = \underline{\hspace{2cm}}$

- (A) 9 (B) 1/9
(C) 1/2 (D) -1/2

074. $4^{\log_2 3} + 2^{\log_8 27} = \underline{\hspace{2cm}}$

- (A) 9 (B) 10
(C) 11 (D) 12

075. If the mean of the observations 19, 15, 12, k , 8, 3 is 11 then $k = \underline{\hspace{2cm}}$.

- (A) 8 (B) 9
(C) 10 (D) 11

* Read the following passage carefully and answer the questions : (Q.No. 076 to 080)

The science of fireworks is technically called 'pyrotechnics' - from the Greek word 'pyr' meaning fire and 'technics' meaning an art. Pyrotechnics includes not only fireworks but also a whole range of devices that use similar materials and principles, from safety matches that we use every day to solid fuel rocket boosters of space shuttle. The household match is considered a special pyrotechnic device, as all the pyrotechnic effect - heat, smoke, light, gas and sound are present in it.

Some historians say that 'black powder', the basic material used in fireworks, was invented in India. Shukranti, written more than two thousand years ago, has references to weapons similar to guns and projectile weapons. However, the Chinese are generally considered the pioneers of pyrotechnics. They are said to have developed black powder more than one thousand years ago. It took at least two thousand years for the knowledge to spread to the West, and it was only in 1242 that an English Monk, Roger Bacon, revealed the formula for "black powder". He considered it such a dangerous substance that he wrote of it in a code language.

076. As per some historians ‘Black Powder’ was invented in _____

(A) India (B) China
(C) Greek (D) None of the above

077. Roger Bacon was

(A) a Chinese writer (B) an Indian historian
(C) an English Monk (D) a Greek philosopher

078. Who wrote about ‘Black Powder’ in code language?

(A) Shukranti (B) Roger Bacon
(C) Chinese (D) Greek

079. When was Shukranti written?

(A) One thousand years ago (B) In 1242
(C) Two thousand years ago (D) Modern times

080. Pyrotechnics word is from

(A) Indian language (B) Greek language
(C) Chinese language (D) None of the above

081. Verbal communication can be in _____ form.

082. Tone of voice, voice quality, style of speaking, stress, intonation are part of _____

083. The process of communication is a _____

- (A) two way
 - (B) three way
 - (C) one way
 - (D) single way

084. “During the process of communication at every stage, there is hindrance which disturbs communication process.” Such hindrance is known as

085. Our physical appearance is an example of communication

086. What is written at the top of a business letter on the left hand side.

087. Where is the salutation placed in a business letter?

088. Which of the following is not a part of the business letter?

- | | |
|-----------|----------------|
| (A) Photo | (B) Salutation |
| (C) Date | (D) Signature |

089. A letter is incomplete and worthless without _____

- | | |
|---------------|----------------|
| (A) Signature | (B) Postscript |
| (C) Enclosure | (D) Photo |

090. Give the full form of C.O.D.

- | | |
|-------------------|----------------------|
| (A) Cash on delay | (B) Cash on delivery |
| (C) Cash on order | (D) Cash on distance |

091. Hurrah! I have passed the examination. Identify the interjection.

- | | |
|-----------------|-------------------------|
| (A) Examination | (B) Passed |
| (C) Hurrah! | (D) The whole sentence. |

092. The dog is sitting _____ the cot. Select appropriate option.

- | | |
|-------------|----------|
| (A) under | (B) into |
| (C) between | (D) up |

093. The Sun _____ in the East. Select appropriate option

- | | |
|-----------|------------|
| (A) raise | (B) rises |
| (C) rise | (D) raised |

094. Your family _____ a happy family. Select appropriate option

- | | |
|---------|----------|
| (A) are | (B) is |
| (C) has | (D) have |

095. Do you have _____ doubt in this question paper? Select appropriate option.

096. Select the correct spelling

097. Select the correct spelling

098. Choose the correct grammatical sentence.

- (A) People were coming, going and ignorant him.
 - (B) People were coming, going and ignoring him.
 - (C) People where coming, going and ignoring him
 - (D) People were coming, going and ignored him.

099. Choose the correct grammatical sentence

- (A) I like drawing my coworkers and my cat.
 - (B) I Like drawing, my coworkers and my cat.
 - (C) I like drawing, my coworkers, and, my cat.
 - (D) I, Like, drawing, my coworkers, and, my, cat.

100. Choose the correct grammatical sentence.

- (A) The ship was wrecked, and every man, woman and child have drowned.
 - (B) The ship was wrecked, and every man, woman, and child are drowned.
 - (C) The ship was wrecked, and every man, woman and child is drowned.
 - (D) The ship was wrecked, and every man, woman and child was drowned.

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