

**OSSSC  
Group C**

**Previous Year Paper  
(Statistical Field Surveyor)  
2017**



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**Question Booklet Series Code : C      Question Book Sl. No. AEC :      011991**

**Time Allowed: 01.30 hours      SFS-2016      Full Mark: 70**

**ନିର୍ଦ୍ଧାରିତ ସମୟ : ୦୧.୩୦ ମିନିଟ୍      ଖୋଲୁ ମାର୍କ : ୭୦**

Read the following instructions carefully before you begin to answer the questions. This Question Booklet has in all 70 objective type questions with multiple choice answers, viz, questions from Serial No.1 to 25 on Arithmetic in Section-A, questions from Serial No.26 to 50 on English in Section-B and questions from Serial No.51 to 70 on Computer Basic Skills in Section-C. One mark each shall be awarded for giving correct answer to each of them.

ପ୍ରଶ୍ନଗୁଡ଼ିକର ଉତ୍ତର କରିବାପୂର୍ବରୁ ନିମ୍ନ ପ୍ରଦତ୍ତ ନିର୍ଦ୍ଦେଶାବଳୀ ଯତ୍ନ ସହକାରେ ପଢନ୍ତୁ । ଏହି ପ୍ରଶ୍ନ ପୁସ୍ତିକାରେ ମୋଟ ୭୦ଟି ବିବିଧ ଉତ୍ତର ଯୁକ୍ତ ସଂକ୍ଷିପ୍ତ ପ୍ରଶ୍ନ ଦିଆଯାଇଅଛି । କ - ବିଭାଗରେ କ୍ରମିକ ସଂଖ୍ୟା ୧ ରୁ ୨୫, ପାଠ୍ୟଶାସ୍ତ୍ର, ଖ- ବିଭାଗରେ କ୍ରମିକ ସଂଖ୍ୟା ୨୬ ରୁ ୫୦ ଇଂରାଜୀ ଏବଂ ଗ- ବିଭାଗରେ କ୍ରମିକ ସଂଖ୍ୟା ୫୧ ରୁ ୭୦ କମ୍ପ୍ୟୁଟର ମୌଳିକ ଦକ୍ଷତା ବିଷୟରେ ପ୍ରଶ୍ନ ରହିଛି । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ସଠିକ ଉତ୍ତର ପାଇଁ ଏକ ମାର୍କ ଲେଖାଯିବ ।

INSTRUCTIONS FOR CANDIDATES	ପ୍ରାର୍ଥୀ/ପ୍ରାର୍ଥିନୀ ମାନକପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ
<ol style="list-style-type: none"> <li>1. This Booklet contains in all 70 questions.</li> <li>2. All questions are compulsory and the distribution of mark has been indicated above.</li> <li>3. Before answering any question, checkup the Booklet and ensure that it contains 09 pages and no page is missing, mutilated or repeated. In case of any defect replace it immediately.</li> <li>4. The invigilator shall supply you one blank OMR Answer Sheet. Write your Roll Number, Question Booklet Serial Number and Question Booklet Series Code in the spaces and darken the corresponding circles/ovals provided therein carefully by black/blue ball point pen only. You must write the name, date and center of examination and put your full signature in the appropriate spaces provided therein before answering any question.</li> <li>5. A machine will read the coded information furnished by you in the OMR Answer Sheet. If the information so furnished by you are incomplete or different from what have been given in the application form, you will be awarded Zero mark.</li> <li>6. These instructions must be complied with fully failing which your Answer Sheet will not be evaluated and Zero mark will be awarded.</li> <li>7. Answer must be given by completely blackening one of the four circles/ovals representing the correct answer given on right side of the Answer Sheet corresponding to the relevant question number by using Black/Blue ball point pen only. Answers not shown by black/blue ball point pen or shown by blackening more than one circle/oval shall not be awarded any mark.</li> <li>8. Failure to hand over the Answer Sheet to the invigilator before leaving the examination hall/room will make you liable to penal action.</li> <li>9. Read carefully the instructions of answering each question before answering it.</li> <li>10. Answer the questions as quickly and carefully as you can.</li> <li>11. No Rough work has to be done on the OMR Answer Sheet. Space for rough work has been provided below the questions wherever needed.</li> <li>12. You must not carry into the examination hall/ room any book, mobile phones or electronic devices printed/handwritten papers except the Admission Letter. Failure to comply with any of the above instructions will be considered as using unfair means and action as deemed proper will be taken against the violators.</li> </ol>	<ol style="list-style-type: none"> <li>e. ଏହି ପୁସ୍ତିକାରେ ମୋଟ ୭୦ଟି ପ୍ରଶ୍ନ ଅଛି ।</li> <li>୨. ସମସ୍ତ ପ୍ରଶ୍ନ ବାଧ୍ୟତାମୂଳକ ଏବଂ ଉପରୋକ୍ତ ମତେ ସେମାନଙ୍କ ମଧ୍ୟରେ ମାର୍କ ବଣ୍ଟନ ଦରାଯାଇଅଛି ।</li> <li>୩. କୌଣସି ପ୍ରଶ୍ନର ଉତ୍ତରଦେବା ଆଗରୁ ପୁସ୍ତିକାଟି ତତ୍ତ୍ୱ ଦେଖନ୍ତୁ ଏଥିରେ କିଛି ପୃଷ୍ଠା ଅଛି ଓ କୌଣସି ପୃଷ୍ଠା ଛାଡ଼ି, ବସ୍ତୁ ବିକାଶ ପୁସ୍ତକାଦୃଶି ହୋଇନାହିଁ । କୌଣସି ତ୍ରୁଟିଥିଲେ ତାକୁ ଶୀଘ୍ର ବଦଳ ଦରାଯିବ ।</li> <li>୪. ପରୀକ୍ଷା ଆପଣଙ୍କୁ ସ୍ୱଚ୍ଛତାରେ ଗୋଟିଏ ଓଏମଆର୍ ଉତ୍ତର ଫର୍ମ ଦେବେ । ଉତ୍ତରଫର୍ମ ଗୁଡ଼ିକର ଯଥା ସ୍ଥାନରେ ଆପଣଙ୍କ ରୋଲନମ୍ବର, ପ୍ରଶ୍ନପୁସ୍ତିକା କ୍ରମିକନମ୍ବର ଏବଂ ପ୍ରଶ୍ନପୁସ୍ତିକା ସିରିଜ୍ କୋଡ୍ ଉଲ୍ଲେଖ କରନ୍ତୁ ଏବଂ ଅନୁରୂପ ବୃତ୍ତ/ଅଣ୍ଡାକୃତିକୁ ବେବନ କନା/କନା କାନ୍ଦିର ବଳପଏଣ୍ଟ୍ ପେନ୍ ଦ୍ୱାରା କାନ୍ଦି କରନ୍ତୁ । ଏପାରେ ପ୍ରଦତ୍ତ ନିର୍ଦ୍ଦେଶାବଳୀରେ ପରୀକ୍ଷା ମାମ, ତାରିଖ ଓ କେନ୍ଦ୍ର ନିର୍ଦ୍ଦିଷ୍ଟ ଭାବେ ଲେଖନ୍ତୁ ଏବଂ କୌଣସି ପ୍ରଶ୍ନର ଉତ୍ତରଦେବା ଆଗରୁ ଆପଣଙ୍କ ପୂରା ଦସ୍ତଖତ କରନ୍ତୁ ।</li> <li>୫. ଓଏମଆର୍ ଉତ୍ତରଫର୍ମରେ ଆପଣ ଉଲ୍ଲେଖ କରିଥିବା ସାଙ୍କେତିକ ତଥ୍ୟକୁ ଗୋଟିଏ ଯୁକ୍ତ ପଦ୍ଧତି ଦର୍ଶାଏ । ତେଣୁ ଆପଣଙ୍କ ଏହି ପ୍ରଦତ୍ତ ତଥ୍ୟ ସଠିକ୍ ଦରଖାସ୍ତ ଫର୍ମରେ ଦିଆଯାଇଥିବା ତଥ୍ୟଠାରୁ ଫରକ ବିକାଶ ଅସମ୍ଭବ ହୁଏ, ଆପଣଙ୍କୁ ଶୂନ୍ୟ ମାର୍କ ପ୍ରଦାନ କରାଯିବ ।</li> <li>୬. ଏହି ନିର୍ଦ୍ଦେଶାବଳୀକୁ ସଂପୂର୍ଣ୍ଣଭାବେ ନିର୍ଦ୍ଦିଷ୍ଟ ସାଜନକରନ୍ତୁ, ଅନ୍ୟଥା ଆପଣଙ୍କ ଉତ୍ତରପତ୍ର ପୂର୍ଣ୍ଣାୟତ୍ତ କରାଯାଇ ପାରିବ ନାହିଁ ଏବଂ ଶୂନ୍ୟ ମାର୍କ ପ୍ରଦାନ କରାଯିବ ।</li> <li>୭. ଉତ୍ତର ଫର୍ମର ଯାହାଣ ପାର୍ଶ୍ୱରେ ଥିବା ସମ୍ପୂର୍ଣ୍ଣ ପ୍ରଶ୍ନ ସଂଖ୍ୟାର ଅନୁରୂପ ଚାରୋଟି ବୃତ୍ତ/ଅଣ୍ଡାକୃତି ମଧ୍ୟରୁ କେବଳ ସଠିକ ଉତ୍ତର ସୂଚାଇଥିବା ବୃତ୍ତ/ଅଣ୍ଡାକୃତିକୁ କନା/କନା କାନ୍ଦିର ବଳ ପଏଣ୍ଟ୍ ପେନ୍ ଦ୍ୱାରା ନିର୍ଦ୍ଦିଷ୍ଟ ସଂପୂର୍ଣ୍ଣ ଭାବେ କାନ୍ଦି କରି ଉତ୍ତର ଦିଅନ୍ତୁ । କନା/କନା ବଳ ପଏଣ୍ଟ୍ ପେନ୍ ଦ୍ୱାରା ବର୍ଣ୍ଣାଯାଇ ନ ଥିବା ଉତ୍ତର ବିକାଶ ଅସମ୍ଭବ ବୃତ୍ତ/ଅଣ୍ଡାକୃତିକୁ କାନ୍ଦି କରାଯାଇଥିବା ଉତ୍ତର ପାଇଁ କୌଣସି ମାର୍କ ଦିଆଯିବ ନାହିଁ ।</li> <li>୮. ପରୀକ୍ଷା, ବଳ/କୋଠରୀ ଛାଡ଼ିବା ପୂର୍ବରୁ ଆପଣଙ୍କ ଉତ୍ତରପତ୍ର ପରୀକ୍ଷକଙ୍କୁ ହସ୍ତାନ୍ତର କ କରି ପାରିଲେ ଆପଣ ଆଉନାପୁସ୍ତାକୀ ବସ୍ତୁନାହିଁ ହେବେ ।</li> <li>୯. ଉତ୍ତର ଦେବାପୂର୍ବରୁ ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ଉତ୍ତର ପ୍ରଦାନ ନିର୍ଦ୍ଦେଶାବଳୀ ଯତ୍ନ ସହକାରେ ପଢନ୍ତୁ ।</li> <li>୧୦. ଯେତେ ଶୀଘ୍ର ଓ ଯତ୍ନ ସହକାରେ ପାରିବେ ପ୍ରଶ୍ନ ଗୁଡ଼ିକର ଉତ୍ତର ଦିଅନ୍ତୁ ।</li> <li>୧୧. ଓଏମଆର୍ ଉତ୍ତରଫର୍ମରେ ଉତ୍ତ୍ୱ କାମ କରିବେ ନାହିଁ । ଯେଉଁଠି ବରଦାନ ପ୍ରଶ୍ନଗୁଡ଼ିକର ଉତ୍ତର ଉତ୍ତ୍ୱ କାମ ପାଇଁ ଖାଲିକାମୀ ଦିଆଯାଇଅଛି ।</li> <li>୧୨. ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ବ୍ୟତୀତ କୌଣସି ବହି, ଛାପା/ହାତଲେଖା କାଗଜ, ଫୋଟୋକଲ ଫୋଟ୍ ବିକାଶ ଟେକ୍ନିକ୍ସ ଉପକରଣ ଆପଣ ପରୀକ୍ଷା ହଲ/କୋଠରୀ ଭିତରକୁ ନେଇ ପାରିବେ ନାହିଁ । ଉପରୋକ୍ତ ନିର୍ଦ୍ଦେଶାବଳୀକୁ କୌଣସି ଅନୁପାଳନରେ ଖୁଲାପନକଲ ଏହାକୁ ଅସତ୍ୱ ଉପାୟ ଅବଲମ୍ବନ ବୋଲି ବିବେଚନା କରାଯିବ ଏବଂ ଉତ୍ତରପତ୍ର କାଗଜ ବିରୁଦ୍ଧରେ ସଂଯୋଜିତ କାର୍ଯ୍ୟାଚରଣ କରାଯିବ ।</li> </ol>
<p><b>DO NOT OPEN THE SEAL OF THE QUESTION BOOKLET UNTIL YOU ARE TOLD TO DO SO</b></p>	

$\frac{45}{7200} \times 100$   
 $\frac{150}{200} \times 100 = 75$

Section - A : Arithmetic

- What % of 7.2kg is 45gms?  
 45 ଗ୍ରାମ 7.2 କି.ଗ୍ରାମ ର ଶତକଡ଼ା କେତେ ?  
 A) 0.625%      B) 0.615%      C) 0.635%      D) 0.675%
- If 90% of 'P' = 30% of 'Q' and 'Q' = 'X' % of 'P', then the value 'X' is \_\_\_\_?  
 ଯଦି 90% of 'P' = 30% of 'Q' ଏବଂ 'Q' = 'X' % of 'P' ହୁଏ, ତେବେ 'X' ର ମୂଲ୍ୟ କେତେ ?  
 A) 900      B) 800      C) 600      D) 300
- In an examination 36% is the pass mark. If an examinee gets 17 marks and fails by 10 marks, what is the maximum mark?  
 ଗୋଟିଏ ପରୀକ୍ଷାରେ ପାସ୍ ମାର୍କ ଶତକଡ଼ା 36 । ଜଣେ ପରୀକ୍ଷାର୍ଥୀ 17 ମାର୍କ ପାଇ 10 ମାର୍କ ପାଇଁ ଫେଲ୍ ହେଲେ, ପରୀକ୍ଷାର ସର୍ବାଧିକ ମାର୍କ କେତେ ?  
 A) 100      B) 85      C) 75      D) None of these
- The average rate of 8 umbrellas and 4 torches is Rs.35.00. If the average rate of umbrella is Rs.40.00, what is the average rate of the torches?  
 8 ଟି ଛତା ଏବଂ 4 ଟି ଚର୍ଚର ହାରାହାରି ମୂଲ୍ୟ 35.00 ଟଙ୍କା । ଯଦି ଛତାର ହାରାହାରି ମୂଲ୍ୟ 40.00 ଟଙ୍କା ହୁଏ, ଚର୍ଚର ହାରାହାରି ମୂଲ୍ୟ କେତେ ?  
 A) 25      B) 30      C) 20      D) 35
- The average age of 20 boys is 15 years. If the age of 10 girls is added to them, the average age of all will be 14 years. Then what will be the average age of the girls?  
 20 ଜଣ ପୁଅଙ୍କ ହାରାହାରି ବୟସ 15 ବର୍ଷ । ଯଦି 10 ଝିଅଙ୍କ ବୟସ ସେଥିରେ ଯୋଗ କରାଯାଏ, ସମସ୍ତଙ୍କ ହାରାହାରି ବୟସ 14 ବର୍ଷ ହୁଏ । ତେବେ ଝିଅଙ୍କ ହାରାହାରି ବୟସ କେତେ ?  
 A) 10      B) 12      C) 13      D) 16
- Three containers of size 384kg, 432kg and 480kg contain mixtures of milk and water. What biggest unit of measurement can measure all these quantities exactly?  
 384 କି.ଗ୍ରା, 432 କି.ଗ୍ରା ଏବଂ 480 କି.ଗ୍ରା ସାଇଜର ତିନୋଟି ଡ୍ରମ୍ ରେ କ୍ଷୀର ଓ ପାଣିର ମିଶ୍ରଣ ଅଛି । ସର୍ବାଧିକ କେଉଁ ମାପର ଏକକ ସବୁ ଡ୍ରମ୍ ର ମିଶ୍ରଣ ପରିମାଣକୁ ସଂପୂର୍ଣ୍ଣ ମାପ କରି ପାରିବ ?  
 A) 48kg      B) 46kg      C) 42kg      D) 44kg
- Six sirens commence tolling together and toll at intervals of 2, 4, 6, 8, 10 and 12 seconds respectively. In 40 minutes how many times do they toll together simultaneously?  
 ଛଅଟି ସାଇରନ୍ ଏକତ୍ର ବାଜିବା ଆରମ୍ଭ କରନ୍ତି ଏବଂ ଯଥାକ୍ରମେ 2, 4, 6, 8, 10 ଏବଂ 12 ସେକେଣ୍ଡ ବ୍ୟବଧାନରେ ବାଜନ୍ତି । 40 ମିନିଟ୍ ସମୟ ମଧ୍ୟରେ ସେମାନେ କେତେଥର ଏକସମୟରେ ବାଜିବେ ?  
 A) 21 times      B) 22 times      C) 23 times      D) 20 times

$90 = \frac{30 \times 100}{P}$   
 $30 = \frac{P \times 100}{30} = 300\%$

$36\% \times \frac{100}{100} \times 25 = 9$

$\frac{8}{320}$        $\frac{400}{12}$

$20 - 300y$        $30 = \frac{420}{14}$

$$\begin{array}{r} 3 \overline{) 384, 432, 480} \\ \underline{128} \phantom{, 174, 160} \\ 256 \phantom{, 174, 160} \\ \underline{96} \phantom{, 90} \\ 320 \phantom{, 90} \\ \underline{96} \phantom{, 10} \\ 224 \phantom{, 10} \\ \underline{74} \phantom{, 10} \\ 150 \phantom{, 10} \\ \underline{50} \phantom{, 10} \\ 100 \phantom{, 10} \\ \underline{100} \\ 0 \phantom{, 10} \end{array}$$

$$\begin{array}{r} 2 \overline{) (2, 4, 6, 8, 10, 12)} \\ \underline{2} \phantom{, 2, 4, 6, 8, 10, 12} \\ 0 \phantom{, 2, 4, 6, 8, 10, 12} \\ \underline{4} \phantom{, 4, 6, 8, 10, 12} \\ 0 \phantom{, 4, 6, 8, 10, 12} \\ \underline{6} \phantom{, 6, 8, 10, 12} \\ 0 \phantom{, 6, 8, 10, 12} \\ \underline{8} \phantom{, 8, 10, 12} \\ 0 \phantom{, 8, 10, 12} \\ \underline{10} \phantom{, 10, 12} \\ 0 \phantom{, 10, 12} \\ \underline{12} \\ 0 \end{array}$$

(120)

$\frac{22 \times \pi^2}{7}$      $49 \times \frac{7}{22}$      $\sqrt{\frac{7}{22}} = \sqrt{\frac{7}{22}}$      $2\pi r$      $\frac{131}{7}$

2

8) The ratio between the areas of two circles is 9: 49. Find out the ratio between their circumferences.

ଦୁଇଟି ବୃତ୍ତର କ୍ଷେତ୍ରଫଳର ଅନୁପାତ 9: 49 । ସେମାନଙ୍କର ପରିଧିର ଅନୁପାତ କେତେ ହେବ ?

- A) 7:3                      B) 49:3                      C) 7:49                      D) 3:7

9. Distribute Rs.120.00 amongst "A", "B", "C" in such a manner that after deducting Rs.15, Rs.10 and Rs.5 respectively from them, the proportion of the amounts left with them will be 2:3:4.


120.00 ଟଙ୍କାକୁ "A", "B" ଓ "C" ମଧ୍ୟରେ କିଭଳି ବଣ୍ଟନ କଲେ ସେମାନଙ୍କଠାରୁ ଯଥାକ୍ରମେ 15 ଟଙ୍କା, 10 ଟଙ୍କା ଏବଂ 5 ଟଙ୍କା ବିୟୋଗ କଲାପରେ, ତାଙ୍କ ପାଖରେ ଥିବା ଟଙ୍କାର ଅନୁପାତ 2:3:4 ହେବ ?

- A) 45, 35, 40                      B) 45, 40, 35                      C) 35, 40, 45                      D) 40, 45, 35

10. If the diagonal of a square is 24cm, then its area is \_\_\_\_\_?

ଗୋଟିଏ ବର୍ଗକ୍ଷେତ୍ରର ବର୍ଣ୍ଣ 24 ସେଣ୍ଟିମିଟର ହେଲେ, ତା'ର କ୍ଷେତ୍ରଫଳ କେତେ ହେବ ?

- A) 284cm<sup>2</sup>                      B) 278cm<sup>2</sup>                      C) 288cm<sup>2</sup>                      D) 298cm<sup>2</sup>

$\frac{24}{\sqrt{2}} \times \frac{24}{\sqrt{2}} = \frac{576}{2}$     

11. (3)<sup>3</sup>-√16+(2)<sup>3</sup>=\_\_\_\_\_?

(3)<sup>3</sup>-√16+(2)<sup>3</sup>= କେତେ ହେବ ?

- A) 31                      B) 27                      C) 19                      D) 23

12. The compound interest of Rs.3000/- for 3 years at 10% interest is \_\_\_\_\_?

3000 ଟଙ୍କାର 3 ବର୍ଷରେ ଶତକଡ଼ା 10 ଟଙ୍କା ସୁଧ ହାରରେ ଚକ୍ରବୃଦ୍ଧି ସୁଧ କେତେ ହେବ ?

- A) 993                      B) 963                      C) 960                      D) 633

$\begin{array}{r} 3300 \\ 330 \\ \hline 3630 \\ 363 \\ \hline 3993 \end{array}$

13. Selling a toy at Rs.30/- makes a profit which is twice the loss made by selling at Rs.18/-. What is the price of the toy?

ଗୋଟିଏ ଖେଳନାକୁ 18 ଟଙ୍କାରେ ବିକିଲେ ଯେତିକି କ୍ଷତି ହୁଏ, 30 ଟଙ୍କାରେ ବିକିଲେ ତାର ଦୁଇଗୁଣ ଲାଭ ହୁଏ । ଖେଳନାଟିର ଦାମ କେତେ ?

- A) 26                      B) 20                      C) 24                      D) 22

14. A man sold two horses for Rs. 300 each. On one of them he gains 20% and on the other he losses 20%. Find out his total loss or gain.

ଜଣେ ଲୋକ ଦୁଇଟି ଘୋଡ଼ାକୁ ପ୍ରତ୍ୟେକକୁ 300 ଟଙ୍କାରେ ବିକ୍ରୟ କଲା । ଗୋଟିକରେ 20 ପ୍ରତିଶତ ଲାଭ ଏବଂ ଅନ୍ୟଟିରେ 20 ପ୍ରତିଶତ କ୍ଷତି ହୁଏ । ତା'ର ମୋଟ ଲାଭ ବା କ୍ଷତି ନିର୍ଣ୍ଣୟ କର ।

- A) Gain of Rs. 25    B) Loss of Rs. 25    C) Loss of Rs. 20    D) No loss, No Profit

15. Three partners A, B and C invest Rs.26000, Rs.34000 and Rs.10000 respectively in a business. Out of a total profit of Rs.17500, C's share is \_\_\_\_\_?

ତିନୋଟି ଅଂଶଦାର A, B ଓ C ଯଥାକ୍ରମେ 26000, 34000 ଏବଂ 10000 ଟଙ୍କା ଗୋଟିଏ ବ୍ୟବସାୟରେ ବିନିଯୋଗ କରନ୍ତି । ସମୁଦାୟ 17500 ଟଙ୍କା ଲାଭରୁ C ର ଅଂଶ କେତେ ହେବ ?

- A) 8750                      B) 8500                      C) 7500                      D) 2500

SFS-AEC-16 (C)

$\begin{array}{r} 26 \\ 13 \\ \hline 156 \end{array}$      $\begin{array}{r} 34 \\ 17 \\ \hline 204 \end{array}$      $\begin{array}{r} 10 \\ 5 \\ \hline 60 \end{array}$

$\frac{17}{17} = 1$      $\begin{array}{r} 500 \\ 2500 \\ 17500 \\ \hline 35 \\ 5 \end{array}$

Handwritten calculations:  $450 \times 4 = 1800$ ,  $600 \times 3 = 1800$ ,  $12 \mid 400 \begin{matrix} 33 \\ 36 \\ \hline 40 \end{matrix}$ ,  $33$ ,  $3$

16. Manish invests Rs. 450 in a business for 4 months and Mahavir invests Rs. 600 for 3 months. What is the share of Mahavir in the total profit of Rs.400?

ମନିଷ 4 ମାସ ପାଇଁ 450 ଟଙ୍କା ଏବଂ ମହାବୀର 3 ମାସ ପାଇଁ 600 ଟଙ୍କା ଗୋଟିଏ ବ୍ୟବସାୟରେ ବିନିଯୋଗ କରନ୍ତି । ମୋଟ 400 ଟଙ୍କା ଲାଭହେଲେ ମହାବୀରର ଭାଗ କେତେ ହେବ ?

- A) Rs.200      B) Rs.100      C) Rs.300      D) Rs.150

17. What is the Mean of  $(a+b)^2$  and  $(a-b)^2$  ?

$(a+b)^2$  and  $(a-b)^2$  ର ମାଧ୍ୟମାନ କେତେ ?

- A)  $a^2 b^2$       B)  $a^2 + b^2$       C)  $2ab$       D)  $a+b$

Handwritten:  $\frac{(a+b)^2 + (a-b)^2}{2} = \frac{a^2 + b^2 + 2ab + a^2 + b^2 - 2ab}{2} = \frac{2a^2 + 2b^2}{2} = a^2 + b^2$

18. What is the difference between the Median of first 10 natural numbers and the Median of first 9 natural numbers?

ପ୍ରଥମ 10 ଟି ଗଣନ ସଂଖ୍ୟାର ମଧ୍ୟମା, ପ୍ରଥମ 9 ଟି ଗଣନ ସଂଖ୍ୟାର ମଧ୍ୟମାଠାରୁ କେତେ ଅଧିକ ବା କମ ?

- A) 1less      B) 0.5 more      C) 1 more      D) 1.5 less

Handwritten:  $\frac{5+6}{2} = 5.5$ ,  $\frac{5}{2} = 2.5$

19. What is the Mode of the scores 1, 2, 3, 4, 5, 6 ?

1, 2, 3, 4, 5, 6 ଲବଧାଙ୍କ ମାନଙ୍କର ଗଠିତ୍ୱକ କେତେ ?

- A) 1      B) A      C) 6      D) Nil

Handwritten: 1 2 3 4 5, median = 3, mean = 3, mode = 1, 9-6 = 3

20. If Mean is M, Median is Md, Mode is Mo, what is the relation between Mean, Median and Mode?

ଯଦି ମଧ୍ୟମାନ M, ମଧ୍ୟମା Md ଏବଂ ଗଠିତ୍ୱକ Mo ହୁଏ, ତେବେ ମଧ୍ୟମାନ, ମଧ୍ୟମା ଏବଂ ଗଠିତ୍ୱକ ମଧ୍ୟରେ ସମ୍ପର୍କ କ'ଣ ?

- A)  $Mo=3Md-2M$       B)  $3Mo-2M=Md$       C)  $2M=3Mo-Md$       D) None of these

21. 3600 enumerators complete census work of a village in 45 days. How many enumerators will be engaged to complete the same in 30 days?

3600 ଗଣନାକାରୀ 45 ଦିନରେ ଗୋଟିଏ ଗ୍ରାମର ଜନଗଣନା କାର୍ଯ୍ୟ ଶେଷ କରିପାରନ୍ତି । କେତେ ଜଣ ଗଣନାକାରୀ ନିଯୋଜନ କଲେ ସେହି କାମକୁ 30 ଦିନରେ ଶେଷ କରିପାରିବେ ?

- A) 5400      B) 5200      C) 5000      D) None of these

Handwritten:  $\frac{3600 \times 45}{30} = 5400$

22. If  $3.7 + 4.96 + 13.578 + 12.1374 = Y$ , then  $Y + 99 =$  \_\_\_\_\_?

ଯଦି  $3.7 + 4.96 + 13.578 + 12.1374 = Y$  ହୁଏ, ତେବେ  $Y + 99 =$  \_\_\_\_\_ ?

- A) 134.3754      B) 135.3754      C) 133.3754      D) 132.3754

23. If the sum of the first twelve odd numbers is added to the sum of the first twelve even numbers, then their sum will be \_\_\_\_\_?

ଯଦି ପ୍ରଥମ 12 ଟି ଅଯୁଗ୍ମ ସଂଖ୍ୟାର ସମଷ୍ଟି ପ୍ରଥମ 12 ଟି ଯୁଗ୍ମ ସଂଖ୍ୟାର ସମଷ୍ଟି ସହିତ ଯୋଗ କରାଯାଏ, ସେମାନଙ୍କ ଯୋଗଫଳ କେତେହେବ ?

- A) 306      B) 304      C) 302      D) 300

Handwritten:  $1+3+5+7+9+11+13+15+17+19+21+23 = 144$ ,  $2+4+6+8+10+12+14+16+18+20+22 = 144$ ,  $144+144 = 288$

Handwritten:  $1^2 + 2^2 + 3^2 + \dots + 12^2 = 144$

Handwritten:  $3 = 9 - 6$

P. T. O.

4

$$\begin{array}{r} 189 \\ 37 \overline{) 59761} \\ \underline{1137} \\ 55 \end{array}$$

$$\begin{array}{r} 189 \\ 37 \overline{) 59761} \\ \underline{1137} \\ 55 \end{array}$$

$$\begin{array}{r} 189 \\ 37 \overline{) 59761} \\ \underline{1137} \\ 55 \end{array}$$

$$\begin{array}{r} 189 \\ 37 \overline{) 59761} \\ \underline{1137} \\ 55 \end{array}$$

24. On dividing 59761 by a certain number the quotient is 189 and the remainder is 37. Find out the divisor.

59761 କୁ କୌଣସି ସଂଖ୍ୟାଦ୍ୱାରା ଭାଗକଲେ ଭାଗଫଳ 189 ଏବଂ ଭାଗଶେଷ 37 ହୁଏ । ତେବେ ଭାଜକ କେତେ ହେବ?

- A) 314                      B) 312                      C) 316                      D) 318

25. Find out the difference between the place values of the two fours in the numeral 7484326.

7484326 ସଂଖ୍ୟାଟିରେ ଥିବା ଦୁଇଟି ଚାରିର ସ୍ଥାନମାନ ମଧ୍ୟରେ ପ୍ରଭେଦ କେତେ?

- A) 396000                      B) 398000                      C) 3960000                      D) 39600000

$$\begin{array}{r} 40000 \\ 4000 \\ \hline 396000 \end{array}$$

**Section – B : English**

**Instructions :** Read the following passage carefully. Answer all the ten questions asked from the passage by picking out the correct/appropriate answer out of the four alternatives given against each question below the passage.

No one can hurt you unless you give permission to be hurt. Someone may say a harsh word. That is his freedom and your freedom is to accept it or reject it. When someone or something is not acceptable, reject it in the same way you reject a salesman trying to sell something that you don't want. If you don't reject, it would appear that you have accepted it at some level. This is the disorder. Also, don't get lost in asking, why? Instead, ask how you can deal with this and deal with it wisely. Being wise involves you to internalize things carefully. You should be alert not to personalize it, if someone says you are a fool. Do not allow past references of someone calling you a fool come unconsciously and support or confuse you. Once you have inner alertness, you will not fall prey to your disempowering self-talk.

26. Select which of the following vocabularies has not been used as Connector in the passage.  
 A) unless                      B) when                      C) instead                      D) once
27. Pick out one of the following words, as used in the passage, which does not match with the others.  
 A) permission                      B) freedom                      C) alertness                      D) acceptable
28. Find out which of the following words has not been used as Infinite Verb in the passage.  
~~A) to accept~~                      B) to internalize                      C) calling                      D) confuse
29. Select which of the following Verbs / Phrasal Verbs has not been used in Active Voice in the passage.  
 A) to be hurt                      B) have accepted                      C) to sell                      D) fall prey
30. What do you mean by 'his freedom' ?  
 A) One's obligation to hurt you.  
 B) One's duty not to hurt you.  
 C) Someone's freedom to tell you something unpleasant.  
 D) Someone's right to speak you sweet words.

31. With whom does the author compare a salesman?  
 A) Someone who hurls abuses at you.  
 B) A shopkeeper from whom you buy a thing of your choice.  
 C) Some merchant who deals in clothes.  
 D) A vender who gains over you to buy his goods.
32. What is it that the author calls 'disorder'?  
 A) Someone scolds you and you remain calm.  
 B) Someone tells you hard words and you just ignore it.  
 C) Somebody says you are a fool and you call him a scoundrel.  
 D) Someone abuses you and you remain undisturbed.
33. What does the author mean by 'being wise'?  
 A) Accepting someone or something unpleasant.  
 B) Art of wisely and impersonally dealing with the negative forces.  
 C) Questioning somebody why he abused you.  
 D) Recollecting the harsh words someone said to you.
34. Why does the author ask you to develop 'inner alertness'?  
 A) It keeps you away from reacting to the hurts of and hurting back others.  
 B) Inner alertness helps you accept the abuses done to you.  
 C) You can remember the fouls done upon you.  
 D) No one will dare to hurt you further.
35. Find out which of the following has not been used as Noun or Pronoun in the passage.  
 A) one                      B) hurt                      C) you                      D) someone

**Direction :** Read the following questions with instructions carefully and pick out the correct and most appropriate answer out of the four options given below each of following questions?

36. A herd of cattle \_\_\_\_\_ grazing in our field since morning. (Supply the correct Auxiliary/ies to fill the blank)  
 A) has been              B) are                      C) was                      D) have been
37. Usually Nirmala \_\_\_\_ white shirts, but today she \_\_\_\_ a green one. (Supply the correct Verbs in sequence to fill up the gaps)  
 A) wear & is wearing                      B) wears & is wearing  
 C) wearing & worn                      D) wearing & has worn





47. My sister who is doctor in foreign country has written useful article on dentistry. (Select the correct Article/s in sequence to rectify the sentence if required)  
 A) a, a & a      B) a, an & the      C) the, the & an      D) the, an & a
48. We agreed \_\_\_the proposal \_\_\_ an excursion. (Supply the correct Preposition/s to fill the blank)  
 A) at & for      B) to & for      C) with & of      D) on & of
49. The aero plane flew \_\_\_\_\_ Kolkata City and crashed\_\_\_\_\_ the Bay of Bengal. (Supply the correct Preposition/s to fill the blank)  
 A) on & at      B) above & in      C) over & into      D) about & on
50. Neither Rosalin nor her sister \_\_\_\_\_present in the class room yesterday. (Supply the correct Auxiliary/ies to fill the blank)  
 A) is      B) were      C) have been      D) was

### Section – C : Computer Basic Skills

51. Recently deleted files are stored in  
 A) Recycle bin      B) Desktop      C) Taskbar      D) My computer
52. Using Microsoft Word's Find and Replace feature you can-  
 A) replace both text and formatting      B) replace text only  
 C) replace formatting only      D) replace document's name only
53. Press which key to select different portions of any text by dragging the mouse?  
 A) Alt      B) Ctrl      C) Shift      D) F12
54. A major step before taking print of the document is-  
 A) to save the document      B) to set paper settings  
 C) to see print view of document      D) Both B and C
55. Word's Count feature-  
 A) provides information about the number of words in the document  
 B) is useful when the length of the document is limited to some number of words,  
 C) displays the number of pages, characters, paragraphs and lines in the document  
 D) all the above
56. It is a mark, normally round or a square dot, it is called-  
 A) number      B) bullet      C) Indentation      D) both B and C
57. What is the shortcut key for "Find and Replace" dialog box?  
 A) Ctrl + F      B) Ctrl + R      C) Ctrl + H      D) Ctrl + Shift + F
58. What is the shortcut key to "Subscript" the selected text?  
 A) Ctrl + =      B) Ctrl + -      C) Ctrl + Shift + =      D) Ctrl + Shift + -

