Question Booklet Series Code : A   **P-II-MABCS-JC-2017**   **Question Booklet Serial No.** 371853

Time Allowed: 03.00 hours   **Maximum Mark: 200**

ନିର୍ଦ୍ଧାରିତ ସମୟ : ୦୩.୦୦ ଘଣ୍ଟା   ସର୍ବାଧିକ ମାର୍କ : 200

Read the following instructions carefully before you begin to answer the questions. This Booklet contains 120 objective type questions with multiple choice answers in two Parts. Part-I contains 60 questions, on Mathematics carrying 100 marks in two Sections. Similarly, Part-II contains 60 questions on Basic Computer Skill carrying 100 marks in two Sections. The distribution of marks for different questions has been mentioned under each Section of each Part.

ପ୍ରଶ୍ନଗୁଡିକର ଉତ୍ତର କରିବାପୂର୍ବରୁ ନିମ୍ନ ପ୍ରଦତ୍ତ ନିର୍ଦ୍ଦେଶାବଳୀ ଯତ୍ନ ସହକାରେ ପଢନ୍ତୁ । ଏହି ପୁସ୍ତିକାରେ ଦୁଇଟି ବିଭାଗରେ 120 ଟି ବିବିଧ ଉତ୍ତର ଯୁକ୍ତ ସଂକ୍ଷିପ୍ତ ପ୍ରଶ୍ନ ରହିଛି । ବିଭାଗ-I ରେ ଗଣିତରେ ଦୁଇଟି ଉପବିଭାଗରେ 100 ମାର୍କ ସମ୍ବଳିତ 60ଟି ପ୍ରଶ୍ନ ରହିଛି । ସେହିପରି ବିଭାଗ- II ରେ ମୌଳିକ କମ୍ପ୍ୟୁଟର ଜ୍ଞାନ ବିଷୟରେ 100 ମାର୍କ ଥାଇ ଦୁଇଟି ଉପବିଭାଗରେ 60ଟି ପ୍ରଶ୍ନ ରହିଛି । ବିବିଧ ପ୍ରଶ୍ନ ପାଇଁ ମାର୍କ ଆବଣ୍ଟନ ପ୍ରତ୍ୟେକ ବିଭାଗର ପ୍ରତ୍ୟେକ ଉପବିଭାଗରେ ଉଲ୍ଲିଖିତ ଅଛି ।

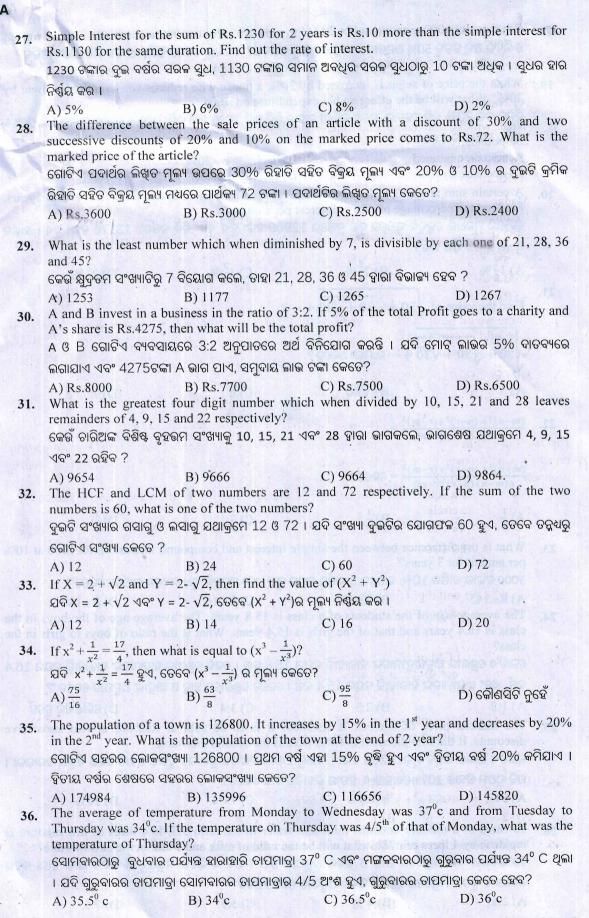| INSTRUCTIONS FOR CANDIDATES	ପ୍ରାର୍ଥୀ/ପ୍ରାର୍ଥିନୀମାନଙ୍କ ପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ
1. This Booklet contains in all 120 objective type questions with multiple choice answers as detailed above.	୧. ଏହି ପୁସ୍ତିକାରେ ଉପର ବର୍ଣ୍ଣିତ ମତେ ମୋଟ 120 ଟି ବିବିଧ ଉତ୍ତର ଯୁକ୍ତ ସଂକ୍ଷିପ୍ତ ପ୍ରଶ୍ନ ଅଛି ।
2. Before answering any question, checkup the Booklet and ensure that it contains **16** pages and no page is missing, mutilated or repeated. In case of any defect replace it immediately.	୨. କୌଣସି ପ୍ରଶ୍ନର ଉତ୍ତର ଦେବା ଆଗରୁ ପୁସ୍ତିକାଟି ତନଖି ଦେଖନ୍ତୁକ ଏଥିରେ **16** ଟି ପୃଷ୍ଠା ଅଛି ଓ କୌଣସି ପୃଷ୍ଠା ଛାଡି, ନଷ୍ଟ କିମ୍ବା ପୁନରାବୃତ୍ତି ହୋଇନାହିଁ । କୌଣସି ତ୍ରୁଟିଥିଲେ ତାକୁ ତୁରନ୍ତ ବଦଳ କରାଇ ନିଅନ୍ତୁ ।
3. The Invigilator shall supply you the blank OMR Answer Sheet separately. Enter your Roll Number, Question Booklet Serial Number and Question Booklet Series Code and darken the corresponding circle/oval provided on left side of the Answer Sheet carefully by black/blue ball point pen only. You must also write the name, date and center of examination and put your full signature in the appropriate spaces provided therein before answering any question.	୩. ପରୀକ୍ଷକ ଆପଣଙ୍କୁ ସ୍ୱତନ୍ତ୍ରଭାବେ ଓଏମ୍ଆର୍ ଉତ୍ତର ଫର୍ଦ୍ଦ ଦେବେ । ଉତ୍ତର ଫର୍ଦ୍ଦର ବାମ ପାର୍ଶ୍ୱରେ ଯଥା ସ୍ଥାନରେ ଆପଣଙ୍କ ରୋଲନମ୍ବର, ପ୍ରଶ୍ନପୁସ୍ତିକା କ୍ରମିକନମ୍ବର ଏବଂ ପ୍ରଶ୍ନପୁସ୍ତିକା ସିରିଜ୍ କୋର୍ଡ ଉଲ୍ଲେଖ କରନ୍ତୁ ଏବଂ ଅନୁରୂପ ବୃତ୍ତ/ଅଣ୍ଡାକୃତିକୁ କେବଳ କଳା/ନୀଳ କାଳିର ବଲ ପଏଣ୍ଟ କଲମ ଦ୍ୱାରା କାଳି କରନ୍ତୁ । ସେଠାରେ ପ୍ରଦତ୍ତ ନିର୍ଦ୍ଦିଷ୍ଟ ସ୍ଥାନରେ ପରୀକ୍ଷାର ନାମ, ତାରିଖ ଓ କେନ୍ଦ୍ର ନିର୍ଦ୍ଦିଷ୍ଟ ଭାବେ ଲେଖନ୍ତୁ ଏବଂ କୌଣସି ପ୍ରଶ୍ନର ଉତ୍ତର ଦେବା ଆଗରୁ ଆପଣଙ୍କ ପୁରା ଦସ୍ତଖତ ଦିଅନ୍ତୁ ।
4. 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.	୪. ଓଏମ୍ଆର୍ ଉତ୍ତର ଫର୍ଦ୍ଦରେ ଆପଣ ଉଲ୍ଲେଖ କରିଥିବା ସାଙ୍କେତିକ ତଥ୍ୟକୁ ଗୋଟିଏ ଯନ୍ତ୍ର ପଠନ କରିବ । ତେଣୁ ଆପଣଙ୍କ ଏହି ପ୍ରଦତ୍ତ ତଥ୍ୟ ଯଦି ଦରଖାସ୍ତ ଫର୍ମରେ ଦିଆ ଯାଇଥିବା ତଥ୍ୟଠାରୁ ଫରକ କିମ୍ବା ଅସମ୍ପୂର୍ଣ୍ଣ ହୁଏ, ଆପଣଙ୍କୁ ଶୂନ୍ୟ ମାର୍କ ପ୍ରଦାନ କରାଯିବ ।
5. These instructions must be complied with fully failing which your Answer Sheet will not be evaluated and Zero mark will be awarded.	୫. ଏହି ନିର୍ଦ୍ଦେଶାବଳୀକୁ ସମ୍ପୂର୍ଣ୍ଣ ଭାବେ ନିଷ୍ଠିତ ପାଳନ କରନ୍ତୁ , ଅନ୍ୟଥା ଆପଣଙ୍କ ଉତ୍ତର ପତ୍ର ମୂଲ୍ୟାୟନ କରାଯାଇ ପାରିବ ନାହିଁ ଏବଂ ଶୂନ୍ୟ ମାର୍କ ପ୍ରଦାନ କରାଯିବ ।
6. 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 shall not be awarded any mark.	୬. ଉତ୍ତର ଫର୍ଦ୍ଦର ଦାହାଣ ପାର୍ଶ୍ୱରେ ଥିବା ସମ୍ପୃକ୍ତ ପ୍ରଶ୍ନ ସଂଖ୍ୟାର ଅନୁରୂପ ବୃତ୍ତ/ଅଣ୍ଡାକୃତିକୁ କେବଳ କଳା/ନୀଳ କାଳିର ବଲପଏଣ୍ଟ କଲମ ଦ୍ୱାରା ନିର୍ଦ୍ଦିଷ୍ଟ ସମ୍ପୂର୍ଣ୍ଣଭାବେ କାଳି କରି ଉତ୍ତର ଦିଅନ୍ତୁ । କଳା/ନୀଳ ବଲ ପଏଣ୍ଟ କଲମ ଦ୍ୱାରା ଦର୍ଶାଯାଇ ନ ଥିବା ଉତ୍ତର ପାଇଁ କୌଣସି ମାର୍କ ଦିଆଯିବ ନାହିଁ ।
7. Failure to hand over the Answer Sheet to the Invigilator before leaving the examination hall/room will make you liable to penal action.	୭. ପରୀକ୍ଷା ହଲ/କୋଠରୀ ଛାଡିବା ପୂର୍ବରୁ ଆପଣଙ୍କ ଉତ୍ତରପତ୍ର ପରୀକ୍ଷକଙ୍କୁ ହସ୍ତାନ୍ତର କରି ନ ପାରିଲେ ଆପଣ ଆଇନାନୁଯାୟୀ ଦଣ୍ଡନୀୟ ହେବେ ।
8. Read carefully the instructions of answering each question before answering it.	୮. ଉତ୍ତର ଦେବା ପୂର୍ବରୁ ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନର ଉତ୍ତର ପ୍ରଦାନ ନିର୍ଦ୍ଦେଶାବଳୀ ଯତ୍ନ ସହକାରେ ପଢନ୍ତୁ ।
9. Answer the questions as quickly and carefully as you can. Some questions may be easy and others difficult. Don't spend too much time on any question.	୯. ଯେତେ ଶୀଘ୍ର ଓ ଯତ୍ନ ସହକାରେ ପାରିବେ ପ୍ରଶ୍ନଗୁଡିକର ଉତ୍ତର ଦିଅନ୍ତୁ । କେତେକ ପ୍ରଶ୍ନ ସହଜ ଓ ଅନ୍ୟ କେତେକ କଠିନ ହୋଇପାରେ । କୌଣସି ପ୍ରଶ୍ନରେ ଅତ୍ୟଧିକ ସମୟ ନଷ୍ଟ କରନ୍ତୁ ନାହିଁ ।
10. No Rough work has to be done on the OMR Answer Sheet. Space for rough work has been provided in the Question Booklet wherever needed.	୧୦. ଓଏମ୍ଆର୍ ଉତ୍ତର ଫର୍ଦ୍ଦରେ ରଫ କାମ କରିବେ ନାହିଁ । ଯେଉଁଠି ଦରକାର ପ୍ରଶ୍ନ ପୁସ୍ତିକାରେ ରଫ କାମପାଇଁ ଖାଲିଜାଗା ଦିଆ ଯାଇଅଛି ।
11. 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.	୧୧. ପ୍ରବେଶ ପତ୍ର ବ୍ୟତୀତ କୌଣସି ବହି, ଛାପା/ହାତଲେଖା କାଗଜ, ମୋବାଇଲ ଫୋନ କିମ୍ବା ବୈଦ୍ୟୁତିକ ଉପକରଣ ଆପଣ ପରୀକ୍ଷା ହଲ/କୋଠରୀ ଭିତରକୁ ନେଇ ପାରିବେ ନାହିଁ । ଉପରୋକ୍ତ ନିର୍ଦ୍ଦେଶାବଳୀରୁ କୌଣସିଟି ଅନୁପାଳନରେ ଖିଲାପକଲେ ଏହାକୁ ଅସତ୍ ଉପାୟ ଅବଲମ୍ବନ ବୋଲି ବିବେଚନା କରାଯିବ ଏବଂ ଉଲ୍ଲଘନକାରୀଙ୍କ ବିରୁଦ୍ଧରେ ଯଥୋଚିତ କାର୍ଯ୍ୟାନୁଷ୍ଠାନ କରାଯିବ ।

SEAL

MATHEMATICS

SECTION-A: 80 Marks

*Instructions : Each question under this section carries **two** marks. Please read each question carefully and answer them by selecting the right one out of the multiple answers given below each as A, B, C and D.*

1. If the marked price of an article is 30% more than its cost price and 10% discount is given, what is the percentage of profit?

   ଯଦି ଗୋଟିଏ ପଦାର୍ଥର ଲିଖିତ ମୂଲ୍ୟ ତାର କିଣା ମୂଲ୍ୟଠାରୁ 30% ଅଧିକ ଏବଂ ତା ଉପରେ 10% ରିହାତି ଦିଆଯାଏ, ତେବେ ଶତକଡ଼ା ଲାଭ କେତେ?

   A) $18\frac{1}{2}$%   B) 20%   C) $1\frac{1}{2}$%   D) 17%

2. In a school, the number of boys and the girls is in the ratio of 2:3. If the number of boys is increased by 20% and that of girls is increased by 10%, what will be the new ratio of the number of boys to that of the girls?

   ଗୋଟିଏ ବିଦ୍ୟାଳୟରେ ବାଳକ ଓ ବାଳିକାଙ୍କ ଅନୁପାତ 2:3 । ଯଦି ବାଳକଙ୍କ ସଂଖ୍ୟାକୁ 20% ଏବଂ ବାଳିକାଙ୍କ ସଂଖ୍ୟାକୁ 10% ବୃଦ୍ଧି କରାଯାଏ, ତେବେ ବାଳକ ଓ ବାଳିକାଙ୍କ ସଂଖ୍ୟାର ନୂତନ ଅନୁପାତ କେତେ ହେବ?

   A) 4:5   B) 5:8   C) 8:11   D) 11:13

3. A starts a business with Rs.9000 and B joins him after 6 months with an investment of Rs.45000. What will be the ratio of the profit of A and B at the end of year?

   9000 ଟଙ୍କା ବିନିଯୋଗ କରି A ଗୋଟିଏ ବ୍ୟବସାୟ ଆରମ୍ଭ କଲା ଏବଂ ତାର 6 ମାସପରେ 45000 ଟଙ୍କା ବିନିଯୋଗ କରି B ଯୋଗଦେଲା । ବର୍ଷ ଶେଷରେ A ଓ B ର ଲାଭର ଅନୁପାତ କେତେ ହେବ?

   A) 1:5   B) 5:2   C) 2:5   D) 5:1

4. A dealer marks his goods 30% above the cost price and then allows 15% discount on it. What is the cost of an article on which he gains Rs.84/-?

   ଜଣେ ବ୍ୟବସାୟୀ କିଣାଦାମ ଉପରେ 30% ଯୋଗକରି ତା'ର ଜିନିଷ ଗୁଡ଼ିକର ମୂଲ୍ୟ ଲେଖେ ଏବଂ ତା' ଉପରେ 15% ରିହାତି ଦେଇ ବିକ୍ରି କରେ । ଗୋଟିଏ ଜିନିଷ ଉପରେ ସେ 84 ଟଙ୍କା ଲାଭ କରୁଥିଲେ, ସେହି ଜିନିଷଟିର କିଣାଦାମ କେତେ?

   A) Rs.800   B) Rs.560   C) Rs.373.33   D) Rs.280

5. In a business, Rakesh invested 10% more than the investment of Mona and Mona invested 10% less than the investment of Rajesh. The total investment of all the three persons is Rs.5780. Find out the investment of Rajesh.

   ଗୋଟିଏ ବ୍ୟବସାୟରେ ରାକେଶ ମୋନା ଅପେକ୍ଷା 10% ଅଧିକ ବିନିଯୋଗ କଲା ଏବଂ ମୋନା ରାଜେଶର ବିନିଯୋଗ ପରିମାଣଠାରୁ 10% କମ୍ ବିନିଯୋଗ କଲା । ତିନି ଜଣଙ୍କର ମୋଟ ବିନିଯୋଗର ପରିମାଣ 5780 ଟଙ୍କା । ରାଜେଶର ବିନିଯୋଗର ପରିମାଣ ନିର୍ଣ୍ଣୟ କର ।

   A) 2010   B) 2000   C) 2100   D) 2210

6. A Principal amounts to Rs.944 in 3years and to Rs.1040 in 5years. If each sum was invested at the same simple interest, what is the principal?

   କୌଣସି ମୂଲଧନ ତିନି ବର୍ଷରେ 944 ଟଙ୍କା ଏବଂ ପାଞ୍ଚ ବର୍ଷରେ 1040 ଟଙ୍କା ହୁଏ । ଯଦି ପ୍ରତ୍ୟେକ ବିନିଯୋଗ ସମାନ ସୁଧ ହାରରେ ହୋଇଥାଏ, ତେବେ ମୂଲଧନର ପରିମାଣ କେତେ ?

   A) Rs.800   B) Rs.991   C) Rs.750   D) Rs.900

7. The difference between a two-digit number and the number obtained by interchanging the position of the digits of that number is 54. What is the difference between the digits of that number?

   ଏକ ଦୁଇ ଅଙ୍କ ବିଶିଷ୍ଟ ସଂଖ୍ୟା ଏବଂ ସେହି ସଂଖ୍ୟାର ଅଙ୍କମାନଙ୍କ ସ୍ଥାନ ବଦଳାଇ ଲେଖିଲେ ପ୍ରାପ୍ତ ସଂଖ୍ୟା ମଧ୍ୟରେ ପାର୍ଥକ୍ୟ 54 । ସେହି ସଂଖ୍ୟାର ଅଙ୍କମାନଙ୍କ ମଧ୍ୟରେ ପ୍ରଭେଦ କେତେ ?

   A) 6   B) 9   C) 15   D) 21

8. How many numbers are there between 4000 and 6000 which are exactly divisible by 32, 40, 48 and 60?

   4000 ଏବଂ 6000 ମଧ୍ୟରେ ଥିବା କେତୋଟି ସଂଖ୍ୟା 32, 40, 48 ଏବଂ 60 ଦ୍ୱାରା ସମ୍ପୂର୍ଣ୍ଣ ଭାବେ ବିଭାଜ୍ୟ ହେବ?

   A) 2   B) 3   C) 4   D) 5

9. Gold is 19 times as heavy as water and copper 9 times as heavy as water. What is the ratio in which these two metals shall be mixed so that the mixture is 15 times as heavy as water?

   ସୁନା, ଜଳର ଓଜନର 19ଗୁଣ ଏବଂ ତମ୍ବା ଜଳ ଓଜନର 9 ଗୁଣ । କେଉଁ ଅନୁପାତରେ ଉଭୟ ଧାତୁକୁ ମିଶ୍ରଣ କଲେ, ମିଶ୍ରଣଟି ଜଳ ଓଜନର 15 ଗୁଣ ହେବ?

   A) 1:2   B) 2:3   C) 3:2   D) କୌଣସିଟି ନୁହେଁ

10. A has double the money of B and B has 50% more money than C. If average money of all the three persons is Rs.12000, how much money does A have?

    B ପାଖରେ ଥିବା ଟଙ୍କାର ଦୁଇ ଗୁଣ A ପାଖରେ ଏବଂ C ପାଖରେ ଥିବା ଟଙ୍କାର 50% ଅଧିକ B ପାଖରେ ଅଛି । ଯଦି ତିନି ଜଣଙ୍କ ପାଖରେ ଥିବା ଟଙ୍କାର ହାରାହାରି 12000 ଟଙ୍କା ହୁଏ, ତେବେ A ପାଖରେ କେତେ ଟଙ୍କା ଅଛି?

    A) $\frac{211006}{11}$ B) $\frac{315000}{11}$ C) $\frac{216000}{11}$ D) $\frac{316000}{11}$

11. Two-fifth of three-eighth of a number is 24. What is 250 percent of that number?

    ଗୋଟିଏ ସଂଖ୍ୟାର ତିନି ଅଷ୍ଟମାଂଶର ଦୁଇ ପଞ୍ଚମାଂଶ ହେଉଛି 24 । ସେହି ସଂଖ୍ୟାର 250 ପ୍ରତିଶତ କେତେ ?

    A) 450   B) 400   C) 300   D) 160

12. A, B and C invested their capitals in the ratio of 5:6:8. At the end of the business, they received the profit in the ratio of 5:3:1. Find out the ratio of time for which they contributed their capitals.

    A, B ଓ C ସେମାନଙ୍କ ମୂଳଧନକୁ 5:6:8 ଅନୁପାତରେ ବିନିଯୋଗ କଲେ । ବ୍ୟବସାୟ ଶେଷରେ ସେମାନେ 5:3:1 ଅନୁପାତରେ ଲାଭ ପାଇଲେ । ସେମାନେ ମୂଳଧନ ଖଟେଇଥିବା ଅବଧିର ଅନୁପାତ ନିର୍ଣ୍ଣୟ କର?

    A) 12:9:7   B) 25:18:8   C) 5:6:8   D) 8:4:1

13. When 50% of one number is added to a second number, the second number increases to its 4/3. What is the ratio between the first and the second number?

    ଗୋଟିଏ ସଂଖ୍ୟାର 50%କୁ ଦ୍ୱିତୀୟ ସଂଖ୍ୟାରେ ଯୋଗ କଲେ, ଦ୍ୱିତୀୟ ସଂଖ୍ୟାଟି ତା'ର 4/3 ଅଂଶକୁ ବୃଦ୍ଧିଏ । ପ୍ରଥମ ଓ ଦ୍ୱିତୀୟ ସଂଖ୍ୟାର ଅନୁପାତ କେତେ?

    A) 3:2   B) 3:4   C) 2:3   D) କୌଣସିଟି ନୁହେଁ

14. If $x + \frac{1}{x} = 2$, then what is the value of $x - \frac{1}{x}$?

    ଯଦି $x + \frac{1}{x} = 2$ ହୁଏ ,ତେବେ $x - \frac{1}{x}$ ର ମୂଲ୍ୟ କେତେ ?

    A) 0   B) 1   C) 2   D) -2

15. In an examination, 70% candidates passed in English and 65% in Mathematics. If 27% candidates failed in both the subjects and 248 passed the examination, what is the total number of candidates?

    ଗୋଟିଏ ପରୀକ୍ଷାରେ 70% ପ୍ରାର୍ଥୀ ଇଂରାଜୀରେ ଏବଂ 65% ଗଣିତରେ ପାସ୍ କଲେ । ଯଦି 27% ପ୍ରାର୍ଥୀ ଉଭୟ ବିଷୟରେ ଫେଲ୍ ହେଲେ ଏବଂ 248 ଜଣ ପରୀକ୍ଷାରେ ପାସ୍ କଲେ, ତେବେ ମୋଟ୍ ପରୀକ୍ଷାର୍ଥୀଙ୍କ ସଂଖ୍ୟା କେତେ?

    A) 400   B) 348   C) 420   D) 484

16. A book seller sells a book at a gain of 10%. If he had bought it at 4% less and sold it for Rs.6 more, he would have gained $18\frac{3}{4}$%. What is the cost price of the book?

    ଜଣେ ବହି ବିକ୍ରେତା ଗୋଟିଏ ବହିକୁ 10% ଲାଭରେ ବିକ୍ରିକରେ । ଯଦି ସେ ତାକୁ 4% କମ୍ ଦାମରେ କିଣିଥାଆ ଏବଂ 6 ଟଙ୍କା ଅଧିକ ଦାମରେ ବିକ୍ରି କରିଥାଆ, ସେ $18\frac{3}{4}$ % ଲାଭ କରିଥାଆ । ବହିଟିର କିଣାଦାମ କେତେ ?

    A) Rs.130   B) Rs.140   C) Rs.150   D) Rs.160

17. A sold a watch to B at 40% gain and B sold it to C at a loss of 20%. If C bought the watch for Rs.432 at what price did A purchase it.

    ଗୋଟିଏ ଘଣ୍ଟାକୁ A 40% ଲାଭରେ B କୁ ଏବଂ B 20% କ୍ଷତିରେ C କୁ ବିକ୍ରୟ କଲା । ଯଦି C ଘଣ୍ଟାଟିକୁ 432 ଟଙ୍କାରେ କିଣିଲା, A ତାକୁ କେତେ ଦରରେ କିଣିଥିଲା?

    A) 385.71   B) 315.71   C) 550.71   D) 250.71

18. What quantity of water should be added to reduce 6 litres of 50% acidic to 20% acidic water?

6 ଲିଟର ଅମ୍ଳ ଜଳକୁ 50% ଅମ୍ଳତାରୁ 20% ଅମ୍ଳତାକୁ ପରିବର୍ଦ୍ଧନ କରିବାକୁ କେତେ ପରିମାଣ ଜଳ ମିଶାଇବାକୁ ପଡ଼ିବ ?

A) 8 litre   B) 9 litre   C) 12 litre   D) 9.5 litre

19. When the price of sugar is increased by 20%, a house wife reduces consumption of sugar by 20%. What will be the effect on her expenditure on sugar?

ଚିନିର ଦର 20% ବୃଦ୍ଧି ହେବାରୁ, ଜଣେ ଗୃହିଣୀ ତାଙ୍କର ଚିନି ଖର୍ଚ୍ଚ 20% ହ୍ରାସ କରିଦେଲେ । ତେବେ ତାଙ୍କର ଚିନି ଉପରେ ଖର୍ଚ୍ଚର ପ୍ରଭାବ କଣ ହେବ ?

A) remain unaltered   B) decrease by 20%

C) decrease by 4%   D) increase by 4%

20. A certain sum amounts to Rs.12960 at compound interest in 2years and Rs.13176 in 3years. Find out the percentage of rate of interest per annum.

କୌଣସି ମୂଳଧନ ଚକ୍ରବୃଦ୍ଧି ସୁଧରେ ଦୁଇ ବର୍ଷରେ 12960 ଟଙ୍କା ହୁଏ ଏବଂ ତିନି ବର୍ଷରେ 13176 ଟଙ୍କା ହୁଏ । ବାର୍ଷିକ ସୁଧର ହାର ନିର୍ଣ୍ଣୟ କର ।

A) $1\frac{1}{3}\%$ B) $2\frac{1}{3}\%$ C) $1\frac{2}{3}\%$ D) $2\frac{2}{3}\%$

21. Find the value of $\sqrt{30 + \sqrt{30 + \sqrt{30}} + \cdots}$?

$\sqrt{30 + \sqrt{30 + \sqrt{30}} + \cdots}$ ର ମୂଲ୍ୟ କେତେ ?

A) 5   B) $\sqrt[3]{10}$ C) 6   D) 7

22. $\frac{(m-n)^3 + (n-r)^3 + (r-m)^3}{6(m-n)\,(n-r)\,(r-m)} = \ldots\ldots$?

$\frac{(m-n)^3 + (n-r)^3 + (r-m)^3}{6(m-n)\,(n-r)\,(r-m)} = $ କେତେ?

A) $\frac{1}{2}$ B) $\frac{1}{3}$ C) $\frac{1}{5}$ D) $\frac{1}{6}$

23. What is the difference between the simple interest and compound interest on Rs.5000 at 10% per annum for 3 years?

5000 ଟଙ୍କାର ବାର୍ଷିକ 10% ହାରରେ 3 ବର୍ଷର ସରଳ ସୁଧ ଏବଂ ଚକ୍ରବୃଦ୍ଧି ସୁଧ ମଧ୍ୟରେ ପାର୍ଥକ୍ୟ କେତେ?

A) Rs.145   B) Rs.155   C) Rs.165   D) Rs.180

24. The average age of the students of a class is 15.8 years. The average age of the boys in the class is 16.4 years and that of the girls is 15.4 years. What is the ratio of boys to girls in the class?

ଗୋଟିଏ ଶ୍ରେଣୀର ଛାତ୍ରଛାତ୍ରୀମାନଙ୍କ ହାରାହାରି ବୟସ 15.8 ବର୍ଷ । ସେହି ଶ୍ରେଣୀର ଛାତ୍ରମାନଙ୍କ ହାରାହାରି ବୟସ 16.4 ବର୍ଷ ଏବଂ ଛାତ୍ରୀମାନଙ୍କ ହାରାହାରି ବୟସ 15.4 ବର୍ଷ । ତେବେ ଶ୍ରେଣୀରେ ଛାତ୍ର ଓ ଛାତ୍ରୀଙ୍କ ଅନୁପାତ କେତେ ?

A) 1:2   B) 2:3   C) 3:4   D) କୌଣସିଟି ନୁହେଁ

25. The marked price of a clock is Rs.3200. It is to be sold at Rs.2448 at two successive discounts. If the first discount is 10%, what is the second discount?

ଗୋଟିଏ ଘଣ୍ଟାର ଲିଖିତ ମୂଲ୍ୟ 3200 ଟଙ୍କା । ଏହାକୁ 2448 ଟଙ୍କାରେ କ୍ରମାଗତ ଦୁଇଟି ରିହାତି ଦେଇ ବିକ୍ରୟ କରାଗଲା । ଯଦି ପ୍ରଥମ ରିହାତି 10% ହୋଇଥାଏ, ଦ୍ୱିତୀୟ ରିହାତିର ହାର କେତେ?

A) 5%   B) 10%   C) 15%   D) 20%

26. 20 litres of a mixture contains milk and water in the ratio 5:3. If 4 litres of this mixture is replaced by 4 litres of milk, what will be the ratio of milk and water in the new mixture?

20 ଲିଟରର ଏକ ମିଶ୍ରଣରେ କ୍ଷୀର ଓ ଜଳର ଅନୁପାତ 5:3 । ଯଦି 4 ଲିଟର ମିଶ୍ରଣକୁ 4 ଲିଟର କ୍ଷୀର ଦ୍ୱାରା ବଦଳ କରାଯାଏ, ନୂତନ ମିଶ୍ରଣରେ କ୍ଷୀର ଓ ଜଳର ଅନୁପାତ କେତେ ହେବ?

A) 2:3   B) 4:3   C) 5:3   D) 7:3

27. Simple Interest for the sum of Rs.1230 for 2 years is Rs.10 more than the simple interest for Rs.1130 for the same duration. Find out the rate of interest.

1230 ଟଙ୍କାର ଦୁଇ ବର୍ଷର ସରଳ ସୁଧ, 1130 ଟଙ୍କାର ସମାନ ଅବଧିର ସରଳ ସୁଧଠାରୁ 10 ଟଙ୍କା ଅଧିକ । ସୁଧର ହାର ନିର୍ଣ୍ଣୟ କର ।

A) 5% B) 6% C) 8% D) 2%

28. The difference between the sale prices of an article with a discount of 30% and two successive discounts of 20% and 10% on the marked price comes to Rs.72. What is the marked price of the article?

ଗୋଟିଏ ପଦାର୍ଥର ଲିଖିତ ମୂଲ୍ୟ ଉପରେ 30% ରିହାତି ସହିତ ବିକ୍ରୟ ମୂଲ୍ୟ ଏବଂ 20% ଓ 10% ର ଦୁଇଟି କ୍ରମିକ ରିହାତି ସହିତ ବିକ୍ରୟ ମୂଲ୍ୟ ମଧ୍ୟରେ ପାର୍ଥକ୍ୟ 72 ଟଙ୍କା । ପଦାର୍ଥଟିର ଲିଖିତ ମୂଲ୍ୟ କେତେ?

A) Rs.3600 B) Rs.3000 C) Rs.2500 D) Rs.2400

29. What is the least number which when diminished by 7, is divisible by each one of 21, 28, 36 and 45?

କେଉଁ କ୍ଷୁଦ୍ରତମ ସଂଖ୍ୟାଟିରୁ 7 ବିୟୋଗ କଲେ, ତାହା 21, 28, 36 ଓ 45 ଦ୍ୱାରା ବିଭାଜ୍ୟ ହେବ ?

A) 1253 B) 1177 C) 1265 D) 1267

30. A and B invest in a business in the ratio of 3:2. If 5% of the total Profit goes to a charity and A's share is Rs.4275, then what will be the total profit?

A ଓ B ଗୋଟିଏ ବ୍ୟବସାୟରେ 3:2 ଅନୁପାତରେ ଅର୍ଥ ବିନିଯୋଗ କରନ୍ତି । ଯଦି ମୋଟ୍ ଲାଭର 5% ଦାତବ୍ୟରେ ଲଗାଯାଏ ଏବଂ 4275ଟଙ୍କା A ଭାଗ ପାଏ, ସମୁଦାୟ ଲାଭ ଟଙ୍କା କେତେ?

A) Rs.8000 B) Rs.7700 C) Rs.7500 D) Rs.6500

31. What is the greatest four digit number which when divided by 10, 15, 21 and 28 leaves remainders of 4, 9, 15 and 22 respectively?

କେଉଁ ଚାରିଅଙ୍କ ବିଶିଷ୍ଟ ବୃହତ୍ତମ ସଂଖ୍ୟାକୁ 10, 15, 21 ଏବଂ 28 ଦ୍ୱାରା ଭାଗକଲେ, ଭାଗଶେଷ ଯଥାକ୍ରମେ 4, 9, 15 ଏବଂ 22 ରହିବ ?

A) 9654 B) 9666 C) 9664 D) 9864.

32. The HCF and LCM of two numbers are 12 and 72 respectively. If the sum of the two numbers is 60, what is one of the two numbers?

ଦୁଇଟି ସଂଖ୍ୟାର ଗସାଗୁ ଓ ଲସାଗୁ ଯଥାକ୍ରମେ 12 ଓ 72 । ଯଦି ସଂଖ୍ୟା ଦୁଇଟିର ଯୋଗଫଳ 60 ହୁଏ, ତେବେ ତନ୍ମଧ୍ୟରୁ ଗୋଟିଏ ସଂଖ୍ୟା କେତେ ?

A) 12 B) 24 C) 60 D) 72

33. If $X = 2 + \sqrt{2}$ and $Y = 2 - \sqrt{2}$, then find the value of $(X^2 + Y^2)$

ଯଦି $X = 2 + \sqrt{2}$ ଏବଂ $Y = 2 - \sqrt{2}$, ତେବେ $(X^2 + Y^2)$ର ମୂଲ୍ୟ ନିର୍ଣ୍ଣୟ କର ।

A) 12 B) 14 C) 16 D) 20

34. If $x^2 + \frac{1}{x^2} = \frac{17}{4}$, then what is equal to $(x^3 - \frac{1}{x^3})$?

ଯଦି $x^2 + \frac{1}{x^2} = \frac{17}{4}$ ହୁଏ, ତେବେ $(x^3 - \frac{1}{x^3})$ ର ମୂଲ୍ୟ କେତେ?

A) $\frac{75}{16}$ B) $\frac{63}{8}$ C) $\frac{95}{8}$ D) କୌଣସିଟି ନୁହେଁ

35. The population of a town is 126800. It increases by 15% in the 1st year and decreases by 20% in the 2nd year. What is the population of the town at the end of 2 year?

ଗୋଟିଏ ସହରର ଲୋକସଂଖ୍ୟା 126800 । ପ୍ରଥମ ବର୍ଷ ଏହା 15% ବୃଦ୍ଧି ହୁଏ ଏବଂ ଦ୍ୱିତୀୟ ବର୍ଷ 20% କମିଯାଏ । ଦ୍ୱିତୀୟ ବର୍ଷର ଶେଷରେ ସହରର ଲୋକସଂଖ୍ୟା କେତେ?

A) 174984 B) 135996 C) 116656 D) 145820

36. The average of temperature from Monday to Wednesday was 37^0c and from Tuesday to Thursday was 34^0c. If the temperature on Thursday was $4/5^{th}$ of that of Monday, what was the temperature of Thursday?

ସୋମବାରଠାରୁ ବୁଧବାର ପର୍ଯ୍ୟନ୍ତ ହାରାହାରି ତାପମାତ୍ରା 37^0 C ଏବଂ ମଙ୍ଗଳବାରଠାରୁ ଗୁରୁବାର ପର୍ଯ୍ୟନ୍ତ 34^0 C ଥିଲା । ଯଦି ଗୁରୁବାର ତାପମାତ୍ରା ସୋମବାରର ତାପମାତ୍ରାର 4/5 ଅଂଶ ହୁଏ, ଗୁରୁବାରର ତାପମାତ୍ରା କେତେ ହେବ?

A) 35.5^0 c B) 34^0c C) 36.5^0c D) 36^0c

37. In 4years, Rs.6000 amounts to Rs.8000. In what time at the same rate, will Rs.525 amount to Rs.700?

6000 ଟଙ୍କା ଚାରି ବର୍ଷରେ ୫୦୦୦ ଟଙ୍କା ହୁଏ । ସେହି ହାରରେ କେତେ ସମୟରେ 525 ଟଙ୍କାରୁ 700 ଟଙ୍କାକୁ ବୃଦ୍ଧି ପାଇବ?

A) 2years   B) 3years   C) 4years   D) 5years

38. What will be the compound interest of Rs.16000 for 9 months at 20% per annum if compounded quarterly?

ତ୍ରୈମାସିକ ଚକ୍ରବୃଦ୍ଧି ସୁଧ ହିସାବରେ, 16000 ଟଙ୍କାର ୨ ମାସରେ 20% ହାରରେ ଚକ୍ରବୃଦ୍ଧି ସୁଧ କେତେ ହେବ?

A) Rs.2518   B) Rs.2520   C) 2522   D) 2524

39. Madan purchased 40Kg of wheat at Rs.12.50 per Kg and 25Kg of wheat at Rs.15.10 per Kg. He mixed the two quantities of wheat for sale. At what rate should he sell to gain 10%?

ମଦନ କିଲୋଗ୍ରାମ ପ୍ରତି ଟ.12.50ପଇସା ଦରରେ 40 କେଜି ଏବଂ ଟ.15.10ପଇସା ଦରରେ 25 କେଜି ଗହମ କିଣିଲା । ବିକ୍ରୟ କରିବାକୁ ଉଭୟ ପରିମାଣ ଗହମକୁ ସେ ମିଶାଇ ଦେଲା । 10% ଲାଭ କରିବାକୁ ତାକୁ ସେ କେତେ ଦରରେ ବିକ୍ରୟ କରିବ?

A) Rs.13.25   B) Rs.13.50   C) Rs.14.75   D) Rs.14.85

40. There would be 10% loss if some rice is sold at Rs.5.40 per Kg. At what price per Kg should it be sold to earn a profit of 20%?

କିଛି ଚାଉଳକୁ କିଲୋଗ୍ରାମ ପ୍ରତି ଟ.5.40ପଇସା ବିକିଲେ 10% କ୍ଷତି ହେବ । 20% ଲାଭ କରିବାକୁ ତାକୁ କିଲୋଗ୍ରାମ ପ୍ରତି କେତେ ଟଙ୍କାରେ ବିକିବାକୁ ହେବ?

A) Rs.7.20   B) Rs.7.02   C) Rs.6.48   D) Rs.6

MATHEMATICS: SECTION-B: 20 Marks

*Instructions : Each question under this section carries **one** mark. Please read each question carefully and answer them by selecting the right one out of the multiple answers given below each as A, B, C and D.*

41. A circle and a square have the same area. What is the ratio of the side of the square and the radius of the circle?

ଗୋଟିଏ ବୃତ୍ତ ଏବଂ ଗୋଟିଏ ବର୍ଗକ୍ଷେତ୍ର କ୍ଷେତ୍ରଫଳ ସମାନ । ତେବେ ସେହି ବର୍ଗକ୍ଷେତ୍ର ବାହୁ ଏବଂ ବୃତ୍ତର ବ୍ୟାସାର୍ଦ୍ଧର ଦୈର୍ଘ୍ୟର ଅନୁପାତ କେତେ ହେବ?

A) $\sqrt{\pi}:1$ B) $1:\sqrt{\pi}$ C) $\pi:1$ D) $1:\pi$

42. Find out the unit digit in the Product of (268 x 539 x 826 x 102).

(268 x 539 x 826 x 102) ର ଗୁଣଫଳର ଏକକ ଅଙ୍କଟି କେତେ?

A) 5   B) 3   C) 4   D) 2

43. Find out the LCM of 2/3, 3/5, 4/7 and 9/13.

2/3, 3/5, 4/7 ଏବଂ 9/13ର ଲସାଗୁ ନିର୍ଣ୍ଣୟ କର ।

A) 36   B) 1/36   C) 1/1365   D) 12/455

44. Which smallest number must be added to 2203 to get a perfect square?

2203ରେ କେଉଁ କ୍ଷୁଦ୍ରତମ ସଂଖ୍ୟା ଯୋଗକଲେ ଗୋଟିଏ ପୂର୍ଣ୍ଣବର୍ଗ ସଂଖ୍ୟା ମିଳିପାରିବ?

A) 1   B) 3   C) 6   D) 8

45. If $x + y = 1$, what is the value of $x^3 + y^3 + 3xy$?

ଯଦି $x + y = 1$, ତେବେ $x^3 + y^3 + 3xy$ ର ମୂଲ୍ୟ କେତେ?

A) -2   B) 1   C) 2   D) 3

46. The difference between 78% of a number and 59% of the same number is 323. What is 62% of that number?

ଗୋଟିଏ ସଂଖ୍ୟାର 78% ଏବଂ 59% ମଧ୍ୟରେ ପ୍ରଭେଦ 323 । ସେହି ସଂଖ୍ୟାର 62% କେତେ ହେବ?

A) 1054   B) 1178   C) 1037   D) 1159

47. A man covers half of his journey at 6 Km/hr and the remaining half at 3 Km/hr. What is the average speed of his journey?

ଜଣେ ଲୋକ ତା ଯାତ୍ରାର ଅଧା ବାଟ ଘଣ୍ଟାପ୍ରତି 6 କିଲୋମିଟର ବେଗରେ ଏବଂ ଅବଶିଷ୍ଟ ଅଧା ଘଣ୍ଟାପ୍ରତି 3 କିଲୋମିଟର ବେଗରେ ଯାଏ । ତେବେ ଯାତ୍ରାର ହାରାହାରି ବେଗ କେତେ?

A) 9Km/hr   B) 4.5Km/hr   C) 4Km/hr   D) 3Km/hr

48. Suresh barrowed Rs.800 at 6% and Naresh barrowed Rs.600 at 10%. After how much time, both of them will have equal debts.

ସୁରେଶ 6% ହାରରେ 800 ଟଙ୍କା ଏବଂ ନରେଶ 10% ହାରରେ 600 ଟଙ୍କା କରଜ କଲେ । କେତେ ସମୟପରେ ସେମାନଙ୍କ ଋଣର ପରିମାଣ ସମାନ ହେବ?

A) $15\frac{1}{3} yr$ B) $14\frac{1}{2} yr$ C) $18\frac{1}{3} yr$ D) $16\frac{2}{3} yr$

49. The difference between the compound interest and simple interest on a certain sum at 5% for 2 years is Rs.1.50. What is the sum?

5% ହାରରେ 2 ବର୍ଷରେ କୌଣସି ଟଙ୍କାର ଚକ୍ରବୃଦ୍ଧି ସୁଧ ଏବଂ ସରଳ ସୁଧ ମଧ୍ୟରେ ପାର୍ଥକ୍ୟ ଟ.1.50ପଇସା ହୁଏ । ସେହି ଟଙ୍କାର ପରିମାଣ କେତେ ?

A) Rs.600   B) Rs.500   C) Rs.400   D) Rs.300

50. If a shopkeeper sold a book with 20% profit after giving a discount of 10% on the marked price, what is the ratio of cost price and marked price of the book?

ଯଦି ଜଣେ ଦୋକାନୀ ଗୋଟିଏ ବହିର ଲିଖିତ ମୂଲ୍ୟ ଉପରେ 10% ରିହାତି ଦେଇ 20% ଲାଭ କରେ, ବହିଟିର କିଣା ମୂଲ୍ୟ ଏବଂ ଲିଖିତ ମୂଲ୍ୟର ଅନୁପାତ କେତେ?

A) 6:5   B) 5:6   C) 3:4   D) 2:3

51. If A: B: C = 2:3:4, then $\frac{A}{B} : \frac{B}{C} : \frac{C}{A}$ =..... ?

ଯଦି A: B: C = 2:3:4, ତେବେ $\frac{A}{B} : \frac{B}{C} : \frac{C}{A}$ = କେତେ?

A) 8:9:16   B) 8:9:12   C) 8:9:24   D) 4:9:16

52. What will be the remainder when 19^{100} is divided by 20?

19^{100} କୁ 20 ଦ୍ୱାରା ଭାଗକଲେ ଭାଗଶେଷ କେତେ ହେବ?

A) 19   B) 20   C) 3   D) 1

53. If p + q = 10 and pq = 5, what is the numerical value of $\frac{p}{q} + \frac{q}{p}$?

ଯଦି p + q = 10 ଏବଂ pq = 5 ହୁଏ, ତେବେ $\frac{p}{q} + \frac{q}{p}$ ର ସାଂଖ୍ୟକ ମୂଲ୍ୟ କେତେ?

A) 22   B) 18   C) 16   D) 20

54. If $a^2 + 1 = a$, what is the value of $a^{12} + a^6 + 1$?

ଯଦି $a^2+1 = a$, ତେବେ $a^{12} + a^6 + 1$ ର ମୂଲ୍ୟ କେତେ?

A) 2   B) 3   C) -3   D) 1

55. If 90% of A=30% of B and B=X% of A. what is the value of X?

ଯଦି A ର 90% = B ର 30% ଏବଂ B = A ର X %, ତେବେ X ର ମୂଲ୍ୟ କେତେ?

A) 600   B) 800   C) 300   D) 900

56. The average of 4 consecutive even numbers is 27. What is the greatest number?

ଚାରିଟି କ୍ରମିକ ଯୁଗ୍ମସଂଖ୍ୟାର ହାରାହାରି 27 । ବୃହତ୍ ସଂଖ୍ୟାଟି କେତେ?

A) 28   B) 26   C) 32   D) 30

57. A certain sum becomes 8 fold in 15years at simple interest. What is the rate of interest?

କୌଣସି ମୂଳଧନ ସରଳ ସୁଧରେ 15 ବର୍ଷରେ ଆଠ ଗୁଣ ହୁଏ । ସୁଧର ହାର କେତେ?

A) $46\frac{1}{3}$%   B) $46\frac{2}{3}$%   C) $46\frac{5}{8}$%   D) $46\frac{11}{12}$%

58. If a sum of money at compound interest amounts to thrice in 3years, in how many years will it be 9 times?

ଯଦି ଚକ୍ରବୃଦ୍ଧି ସୁଧରେ କୌଣସି ମୂଳଧନ 3 ବର୍ଷରେ ତିନି ଗୁଣ ହୁଏ, କେତେ ବର୍ଷରେ ସେହି ଟଙ୍କା 9 ଗୁଣ ହେବ?

A) 12yrs.   B) 6yrs   C) 9yrs   D) 15yrs

59. A reduction of 20% in the price of Sugar enables a man to purchase 4Kg more for Rs.280. What is the original rate of sugar?

ଚିନି ଦରରେ 20% ହ୍ରାସ ଯୋଗୁ ଜଣେ ବ୍ୟକ୍ତି 280 ଟଙ୍କାରେ 4 କେଜି ଅଧିକ ଚିନି କିଣିବାକୁ ସମର୍ଥ ହୁଏ । ଚିନିର ମୂଳ ଦର କେତେ?

A) Rs.10 Per Kg   B) Rs.17.50 Per Kg   C) Rs.20.5 Per Kg   D) Rs.24.5 Per Kg

60. A, B and C entered into partnership in a business. A got 3/5 of the profit. B and C distributed the remaining profit equally. If C got Rs.400 less than A, what was the total profit?

A, B ଓ C ମିଶି ଗୋଟିଏ ବ୍ୟବସାୟ ଆରମ୍ଭ କରନ୍ତି । A ଲାଭ ଟଙ୍କାର 3/5 ଅଂଶ ପାଇଲା । B ଏବଂ C ଅବଶିଷ୍ଟ ଲାଭକୁ ସମାନ ଭାବରେ ବାଣ୍ଟିନେଲେ । ଯଦି C, A ଠାରୁ 400 ଟଙ୍କା ଊଣା ପାଇଲା, ସମୁଦାୟ ଲାଭ କେତେ ହେଲା ।

A) Rs.1600   B) Rs.1200   C) Rs.1000   D) Rs.800

Part-II   BASIC COMPUTER SKILL

SECTION-A: 80 Marks

*Instructions : Each question under this section carries **two** marks. Please read each question carefully and answer them by selecting the right one out of the multiple answers given below each as A, B, C and D.*

61. A user wishes to remove a spreadsheet from a workbook. Which is the correct sequence of events that he will do for this?

A) Go to File-Save As, Type -Excel worksheet

B) Right click on the Spreadsheet tab and select Delete

C) Right click on the Spreadsheet and select Insert-Entire Column

D) None of the above

62. WYSIWYG stands for -

A) What you see is what you get   B) What you smell is what you get

C) Where you suspect is where you go   D) None of these

63. An output device translates -

A) the processed information from computer into a form that human can understand.

B) the data and programs that human can provide into a form that the computer can process.

C) It never translates.

D) None of these.

64. What happens when you press Ctrl + X after selecting some cells in Excel?

A) The cell content of selected cells disappear from cell and get stored in clipboard.

B) The cells selected are marked for cutting.

C) The selected cells are deleted and the cells are shifted left.

D) The selected cells are deleted and cells are shifted up.

65. Which of the following describes how to select all the cells in a single column?

A) Right click on column and select Pick from list

B) Use data-- text to columns menu item

C) Left click on the gray column title button

D) Pressing Ctrl +A on the keyboard

66. Match the following.

1. Scanner   A. Input Device
2. OCR   B. Output Device
3. Light pen
4. Printer

A) 1A, 2B, 3A, 4A   B) 1A, 2A, 3A, 4B

C) 1A, 2A, 3B, 4B   D) 1A, 2B, 3A, 4B

A

67. Match the keyboard shortcuts with the command and find the correct combination.

a) End	i)	End of document
b) Alt + End	ii)	End of line
c) Ctrl + End	iii)	End of window
d) Alt + Ctrl + Page Down	iv)	End of the row in the table

    A) a-i, b-iii, c-ii, d-iv   B) a-ii, b-iv, c-iii, d-i

    C) a-ii, b-iv, c-i, d-iii   D) a-iv, b-iii, c-ii, d-i

68. Drop Cap is used in document of MS Word?

    A) To drop all the capital letters

    B) To automatically begin each paragraph with capital letter

    C) To begin a paragraph with a large dropped initial capital letter

    D) None of above

69. One kilobyte = _____ bits.

    A) 1250   B) 2088   C) 8192   D) 1000

70. To edit a chart, we can-

    A) double click the chart object.   B) click and drag the chart object.

    C) triple click the chart object.   D) click the chart object.

71. Match the key board shortcuts with command and find the correct combination.

a) Ctrl + C	i)	Save
b) Ctrl + B	ii)	Cut
c) Ctrl + X	iii)	Bold
d) Ctrl + S	iv)	Copy

    A) a-ii, b-iii, c-iv, d-i   B) a-iv, b-iii, c-i, d-ii

    C) a-ii, b-iii, c-i, d-iv   D) a-iv, b-iii, c-ii, d-i

72. Which option will be used to join some cells and place the content at the middle of the joined cell in MS Office word 2007 and onwards?

    A) From Format Cells dialog box click on Merge Cells check box.

    B) From Format Cells dialog box select the Center Alignment.

    C) From Format Cells dialog box choose Merge and Center check box.

    D) None of these

73. In Data Base Management System (DBMS), each table is made up of columns and rows called __ and _____ respectively.

    A) Fields and Records   B) Records and Fields

    C) Query and Forms   D) None of these

74. How can you select the text without using the Mouse?

    A) It is not possible

    B) Use the F7 key

    C) Use the arrow keys while holding down a Ctrl key

    D) Use the arrow keys while holding down a Shift key

75. You can use the horizontal and vertical scroll bars to-

    A) split a worksheet into two panes.

    B) view different rows and columns to edit the contents of a cell.

    C) edit the contents of a Cell.

    D) view different Worksheets.

76. Which of the following functions is not performed by the 'Operating System'?

 A) Co-ordinates and controls memory, processor, storage and peripheral devices.

 B) Works as interface between the user and the computer system.

 C) Loads and runs the application programs.

 D) The Operating System complies "C" programs.

77. Which type of charts can 'EXCEL' produce?

 A) Line graph and pie charts only   B) Only line graphs

 C) Bar charts, line graphs and pie charts   D) Bar charts and Line graphs only

78. You can create a new presentation by all of the following except-

 A) Clicking the New Slide button and then selecting the required slide on the standard toolbar

 B) Clicking New from the File menu

 C) Clicking Open from the File menu

 D) Pressing ctrl + N

79. The size of the Organization chart object in MS Power Point-

 A) is determined by the presentation design and cannot be changed

 B) is determined by the presentation design but can be changed in Power Point

 C) is dependent on the amount of text within the Organization chart

 D) Both B and C

80. Which of the following statements about the difference between virus and a worm is false?

 A) A virus corrupts and changes the location of files; but a worm usually does not.

 B) A virus enters into and infects a file or executable program as they run; but a worm does not usually infect files or programs, rather replicates itself and consumes space in the computer memory.

 C) A virus spreads only when the user transmits the infected files to other users; but a worm spreads to other systems without even user intervention.

 D) A virus spreads in the computer systems faster than a worm.

81. 'Save As' dialog can be used-

 A) for saving the file for the first time   B) to save file by some alternative name

 C) to save file in format other than Word   D) Any of the above

82. Which of the following syntax is correct regarding use of SUM function in Excel?
 A) =SUM(A1,B1)   B) =SUM(A1:B9)
 C) =SUM(A1:A9, B1:B9)   D) All of these

83. Match "Column A" with 'Column B'.

Column A	**Column B**
a) Software	1. A set of computer programmes that enables hardware to perform different tasks.
b) Processing	2. Transforming data into information
c) Operating system	3. The presentation of a fact or idea (unprocessed information)
d) Data	4. Any part of the computer that you can physically touch.
e) Hardware	5. The most common type of system software that controls the way in which the computer system functions

 A) a-1, b-2, c-5, d-3, e-4   B) a-4, b-2, c-3, d-2, e-1
 C) a-3, b-5, c-1, d-2, e-4   D) a-2, b-4, c-5, d-1, e-3

84. What happens when you delete a text box object from a slide in PPT?
   A) The object is deleted but text box and the text inside is left on the slide.
   B) The text box is deleted and the text is pasted on the slide.
   C) Both the text box and text are deleted.
   D) None of the above

85. A worksheet is made of columns and rows, wherein-
   A) columns run horizontally and rows run vertically
   B) columns run vertically and rows run horizontally
   C) the run is dependent on the application being used
   D) Both B and C

86. Match the keyboard shortcut with command
   (a) Ctrl + A   (i)   Print
   (b) Ctrl + P   (ii) Paste
   (c) Ctrl + V   (iii) Select All
   (d) Ctrl + Z   (iv) Undo
   A) a - i, b - ii, c-iii, d- iv   B) a - iii, b - i, c - ii, d- iv
   C) a - iv, b- iii, c - i, d - ii   D) a - i, b - iii, c - iv, d – ii

87. The purpose of Undo button is to-
   A) restore a deleted file from the disk.
   B) remove both the existing text and the previous one permanently.
   C) remove the existing text and restore the pre-edited text.
   D) all of the above

88. Read the following statements and answer which of these is/are correct using the codes given below.
   i. The 'Save As' dialog box is used to open a saved Excel file.
   ii. The 'Save As' dialog box is used for saving the file for the first time.
   iii. The 'Save As' dialog box is used for saving the file by some alternative name.
   A) only i correct   B) i & ii are correct
   C) ii & iii are correct   D) None of these

89. What is gutter margin?
   A) Margin that is added to the left margin when printing
   B) Margin that is added to right margin when printing
   C) Margin that is added to the binding side of page when printing
   D) Margin that is added to the outside of the page when printing

90. What do you mean by "what-if" analysis?
   A) The process of observing the effect of changing one or more cells.
   B) The process of adding more cells.
   C) Excel does not have such function
   D) The process of comparing two cells.

91. A red wavy line under a word indicates that the word
   A) is too long for the line of text
   B) is not in the dictionary file and therefore might be misspelled.
   C) is not appropriate for that particular sentence
   D) is a verb

92. Which of the following commands is not applicable in MS-Word?
   A) Ctrl + I to italicize the selected text   B) Ctrl + B to bold the selected text
   C) Ctrl + U to underline the selected text   D) None of the above

93. A clipboard is-
   A) used to save data on disk in the event of a powerful failure
   B) able to retain the contents even when computer is switched off
   C) available only in Microsoft Word
   D) a storage in the computer memory for temporarily storing the cut or copied data.

94. Selecting the Columns G and H and choosing Insert->Column will lead to-
   A) 2 Columns will be inserted after Column-F
   B) 2 Columns will be inserted after Column-G
   C) 2 Columns will be inserted after Column-H
   D) 2 Columns will be inserted after Column-I

95. What do you mean by trigger in the context of animations?
   A) An action button that advances to the next slide
   B) An item on the slide that performs an action when clicked
   C) The name of a motion path
   D) All of above

96. What is the term used when you press and hold the left mouse key and move the mouse around the slide?
   A) Moving   B) Monitoring   C) Dragging   D) Highlighting

97. "Ctrl + Right Arrow" is used to-
   A) move the cursor one word to the right.   B) move the cursor to the end of the line.
   C) move the cursor to the end of the document. D) move the cursor one Paragraph down.

98. Match the appropriate application software with their respective functions and find out the correct combination.
   a) MS-Word   i) Database Management
   b) MS-Access   ii) Word Processing
   c) Power Point   iii) Spreadsheet
   d) Excel   iv) Presentation of slides
   A) a-iv, b-iii, c-ii, d-i   B) a-ii, b-iii, c-iv, d-i
   C) a-ii, b-iv, c-i, d-iii   D) a-ii, b-i, c-iv, d-iii

99. What is/are the function/s of a backup?
   A) To restore the backed up information.
   B) To retrieve the system files.
   C) To restore the system in the event of a system crash or failure
   D) All of the above

100. How do you change column width to fit the contents?
   A) Single-click the boundary to the left to the column heading
   B) Double click the boundary to the right of the column heading
   C) Press Alt and single click anywhere in the column
   D) All of above

B.C.S.: SECTION-B: 20 Marks

*Instructions : Each question under this section carries **one** mark. Please read each question carefully and answer them by selecting the right one out of the multiple answers given below each as A, B, C and D.*

101. Which file format can be added to a Power Point show?
   A) .gif   B) .jpg   C) .wav   D) All of above

102. VIRUS stands for-
   A) Virtual Important Resource Under Search   B) Vital Information Resource Under Seize
   C) Verify Interchange Result Until Source   D) Very Important Record User Searched

103. Where was India's first Computer installed and when?
    A) Indian Institute of Technology, Delhi, in 1977
    B) Indian Institute of Science, Bangalore, in 1971
    C) Indian Iron & Steel Co. Ltd., in 1968
    D) Indian Statistical Institute, Calcutta, in 1955

104. Personal digital Assistants and Smart phones are the most widely used...........
    A) Handheld Computer
    B) Minicomputer
    C) Supercomputer
    D) None of these

105. If you need to edit "Header" or "Footer" of a document which menu/tab should you access in MS Office word 2007 and onwards?
    A) Insert   B) Edit   C) View   D) Tools

106. What is the default format for saving a word document in MS-Word 2007 and above?
    A) .doc   B) .docx   C) .txt   D) .dcmt

107. Find and Replace utility is available in
    A) MS- Word   B) MS- Excel   C) MS- Power Point   D) All of the above

108. What is the formula to be used to add two cells (A1 and A2) in MS-EXCEL?
    A) =A1+A2   B) =Add (A1+A2)   C) =Together (A1:A2)   D) A1 plus A2

109. Which command will you choose to convert a column of data into row in MS Excel?
    A) Cut and Paste   B) Edit>> Paste Special >> Transpose
    C) Both of the above   D) None of the above

110. To select one hyper link after another during a slide presentation, what do you press?
    A) TAB   B) Ctrl +K   C) Ctrl +H   D) All of these

111. Which short cut key inserts a new slide in current presentation?
    A) Ctrl + N   B) Ctrl+M   C) Ctrl+S   D) All of the above

112. Which of the following one is in correct order?
    A) Megabyte >Kilobyte >Byte >Bit   B) Kilobyte >Megabyte >Byte >Bit
    C) Byte >bit >Megabyte >Kilobyte   D) None of these

113. The term QWERTY keyboard means the keyboard layout of the ___ alphabetic characters found on the top row of keys displaying letters.
    A) First Six   B) Last Six   C) First Three   D) Last Three

114. Which of the following can be used to animate how the presentation moves from one slide to the next.
    A) Transmission   B) Transitions   C) Translation   D) Transformation

115. What process should be used to recall a document saved previously?
    A) Copy   B) Save   C) Open   D) Enter

116. What is the shortcut key you can press to create a copyright symbol?
    A) Alt +Ctrl +C   B) Alt +C   C) Ctrl +C   D) Ctrl +Shift +C

117. Portrait and Landscape are:
    A) Page Orientation   B) Paper Size   C) Page Layout   D) All of the above

118. Formatting option is available in which menu in MS-Excel?
    A) Format   B) Edit   C) Windows   D) File

119. Which of the following is an instruction to calculate or process data in MS Excel?
    A) Worksheet   B) Formula   C) Range   D) Text entries

120. In Microsoft Power Point two kinds of sound effect files that can be added to the presentation are _____.
    A) WAV files and MID files   B) WAV files and GIF files
    C) WAV files and JPG files   D) JPG files and GIF files