DO NOT OPEN THE SEAL OF THE QUESTION BOOKLET UNTIL YOU ARE ASKED TO DO SO

Question Booklet Series Code : **A**   Question Book Serial No : **358901**

Time Allowed : 03.00 hours   **P-II MABCS-JCJA-2018**   Maximum Mark : 200

ନିର୍ଦ୍ଧାରିତ ସମୟ : 03.00 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 which are available in both English and Odia version. In case of discrepancy in meaning, the English version will prevail. 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. **All questions are compulsory**.

ପ୍ରଶ୍ନଗୁଡ଼ିକର ଉତ୍ତର କରିବାପୂର୍ବରୁ ନିମ୍ନ ପ୍ରଦତ୍ତ ନିର୍ଦ୍ଦେଶାବଳୀ ଯତ୍ନସହକାରେ ପଢ଼ନ୍ତୁ । ଏହି ପୁସ୍ତିକାରେ ଦୁଇଟି ବିଭାଗରେ ୧୨୦ଟି ବିବିଧ ଉତ୍ତର ଯୁକ୍ତ ସଂକ୍ଷିପ୍ତ ପ୍ରଶ୍ନ ରହିଛି । ବିଭାଗ-Iରେ ଗଣିତରେ ଦୁଇଟି ଉପବିଭାଗରେ 100 ମାର୍କ ସମ୍ବଳିତ 60ଟି ପ୍ରଶ୍ନ ରହିଛି ଯେଉଁଥିରେ ଇଂରାଜୀ ରୁ ଓଡ଼ିଆକୁ ଭାଷାନ୍ତର ଉପଲବ୍ଧ । ଅର୍ଥବୋଧରେ କିଛି ତାରତମ୍ୟ ଥିଲେ ଇଂରାଜୀ ଭାଷା ବଳବତ୍ତର ରହିବ । ସେହିପରି ବିଭାଗ-IIରେ ମୌଳିକ କମ୍ପ୍ୟୁଟର ଜ୍ଞାନ ବିଷୟରେ 100 ମାର୍କ ଥାଇ ଦୁଇଟି ଉପବିଭାଗରେ 60ଟି ପ୍ରଶ୍ନ ରହିଛି । ବିବିଧ ପ୍ରଶ୍ନ ପାଇଁ ମାର୍କ ଆବଣ୍ଟନ ପ୍ରତ୍ୟେକ ବିଭାଗର ପ୍ରତ୍ୟେକ ଉପବିଭାଗରେ ଉଲ୍ଲିଖିତ ଅଛି । ସମସ୍ତ ପ୍ରଶ୍ନ ବାଧ୍ୟତାମୂଳକ ।

INSTRUCTIONS FOR CANDIDATES	ପ୍ରାର୍ଥୀ ମାନଙ୍କପାଇଁ ନିର୍ଦ୍ଦେଶାବଳୀ
1. Before answering any question, checkup the Booklet and ensure that it contains 24 pages and no page is missing, mutilated or repeated. In case of any such defect replace it immediately.	୧.କୌଣସି ପ୍ରଶ୍ନର ଉତ୍ତରଦେବା ଆଗରୁ ପୁସ୍ତିକାଟି ତନଖ୍ ଦେଖନ୍ତୁକି ଏଥିରେ 24 ପୃଷ୍ଠା ଅଛି ଓ କୌଣସି ପୃଷ୍ଠା ନଷ୍ଟ, ପୁନରାବୃତ୍ତି କିମ୍ବା ଛାଡ଼ି ହୋଇନାହିଁ କୌଣସି ତ୍ରୁଟିଥିଲେ ତାକୁ ତୁରନ୍ତ ବଦଳ କରାଇନିଅନ୍ତୁ ।
2. 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 the Answer Sheet at the appropriate space 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 space provided therein before answering any question.	୨.ପରୀକ୍ଷକ ଆପଣଙ୍କୁ ସ୍ୱତନ୍ତ୍ରଭାବେ ଓଏମ୍ଆର୍ ଉତ୍ତରପତ୍ର ଦେବେ । ଉତ୍ତରପତ୍ରର ଯଥା ସ୍ଥାନରେ ଆପଣଙ୍କ ରୋଲନମ୍ବର, ପ୍ରଶ୍ନପୁସ୍ତିକା କ୍ରମିକନମ୍ବର ଏବଂ ପ୍ରଶ୍ନପୁସ୍ତିକା ସିରିଜ କୋଡ୍ ଉଲ୍ଲେଖ କରନ୍ତୁ ଏବଂ ତା ପାଇଁ ଉଦ୍ଦିଷ୍ଟ ବୃତ୍ତ/ଅଣ୍ଡାକୃତିକୁ କେବଳ କଳା/ନୀଳ କାଳିର ବଲ୍ପଏଣ୍ଟ କଲମ ଦ୍ୱାରା କାଳି କରନ୍ତୁ । ସେଠାରେ ପ୍ରଦତ୍ତ ନିର୍ଦ୍ଦିଷ୍ଟ ସ୍ଥାନରେ ପରୀକ୍ଷାର ନାମ, ତାରିଖ ଓ କେନ୍ଦ୍ର ନିର୍ଦ୍ଦିଷ୍ଟ ଭାବେ ଲେଖନ୍ତୁ ଏବଂ କୌଣସି ପ୍ରଶ୍ନର ଉତ୍ତରଦେବା ଆଗରୁ ଆପଣଙ୍କ ପୁରା ଦସ୍ତଖତ ଦିଅନ୍ତୁ ।
3. 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 you have given in the application form, you shall be awarded Zero marks.	୩. ଓଏମ୍ଆର୍ ଉତ୍ତରପତ୍ରରେ ଆପଣ ଉଲ୍ଲେଖ କରିଥିବା ସାଙ୍କେତିକ ତଥ୍ୟକୁ ଗୋଟିଏ ଯନ୍ତ୍ର ପଠନ କରିବ । ତେଣୁ ଆପଣଙ୍କ ଏହି ପ୍ରଦତ୍ତ ତଥ୍ୟ ଯଦି ଦରଖାସ୍ତ ଫର୍ମରେ ଦିଆଯାଇଥିବା ତଥ୍ୟଠାରୁ ଫରକ କିମ୍ବା ଅସମ୍ପୂର୍ଣ୍ଣ ହୁଏ, ଆପଣଙ୍କୁ ଶୂନ୍ୟ ମାର୍କ ପ୍ରଦାନ କରାଯିବ ।
4. 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 by using Black/Blue ball point pen only. Answers not shown by properly darkening in black/blue ball point pen, no marks shall be awarded.	୪. ଉତ୍ତରପତ୍ରର ଦାହାଣ ପାର୍ଶ୍ୱରେ ଥିବା ସଂପୃକ୍ତ ପ୍ରଶ୍ନ ପାଇଁ ଉଦ୍ଦିଷ୍ଟ ବୃତ୍ତ/ଅଣ୍ଡାକୃତିକୁ କେବଳ କଳା/ନୀଳ କାଳିର ବଲ୍ପଏଣ୍ଟ କଲମ ଦ୍ୱାରା ସମ୍ପୂର୍ଣ୍ଣଭାବେ କାଳି କରି ଉତ୍ତର ଦିଅନ୍ତୁ । କଳା/ନୀଳ ବଲ ପଏଣ୍ଟ କଲମ ଦ୍ୱାରା ଠିକ୍ ଭାବେ କାଳି କରାଯାଇନଥିବା ଉତ୍ତର ପାଇଁ କୌଣସି ମାର୍କ ଦିଆଯିବ ନାହିଁ ।
5. No Rough work should be done on the OMR Answer Sheet. Space for rough work has been provided in the Question Booklet itself.	୫. ଓଏମ୍ଆର୍ ଉତ୍ତରପତ୍ରରେ ରଫ କାମ କରନ୍ତୁ ନାହିଁ । ପ୍ରଶ୍ନପୁସ୍ତିକାରେ ରଫ କାମପାଇଁ ଖାଲିଜାଗା ଦିଆଯାଇଛି ।
6. Correcting fluid, eraser, blade, books, textual material, scripts, notes/loose paper, calculator, docupen, slide rules, log tables, electronic watches, smart watch, cell phone, pager, other electrical/electronic devices etc. are not allowed inside the examination hall. In case the candidate is found in possession of any of the above, he/she shall be disqualified from the examination without any enquiry whether the same was/were used by the candidate or not.	୬.କୌଣସି ଧଉଳାଇବା ରଙ୍ଗ, ରବର, ବ୍ଲେଡ଼, ବହି, ଛାପା/ହାତଲେଖାକାଗଜ, କାଲ୍କୁଲେଟର, ଡକୁପେନ, ସ୍ଲାଇଡ ରୁଲ, ଲଗ ଟେବୁଲ,ଇଲେକ୍ଟ୍ରୋନିକ ଘଣ୍ଟା, ସ୍ମାର୍ଟ ଘଣ୍ଟା,ମୋବାଇଲ ଫୋନ, ପେଜର, ଅନ୍ୟ ବୈଦ୍ୟୁତିକ/ଇଲେକ୍ଟ୍ରୋନିକ ଉପକରଣ ଆପଣ ପରୀକ୍ଷା ହଲ/କୋଠରୀ ଭିତରକୁ ନେଇ ପାରିବେ ନାହିଁ । ଯଦି ଉପରୋକ୍ତ କୌଣସି ଉପକରଣ ଆପଣଙ୍କ ପାଖରୁ ଉଦ୍ଧାର କରାଯାଏ, ବ୍ୟବହାର କରିଥାନ୍ତୁ ବା ନ କରିଥାନ୍ତୁ,ବିନା ତଦନ୍ତରେ ଆପଣଙ୍କୁ ତୁରନ୍ତ ପରୀକ୍ଷାରୁ ବାସନ୍ଦ କରାଯିବ ।
7. These instructions must be complied with fully, failing which your Answer Sheet shall not be evaluated and Zero marks will be awarded.	୭.ଏହି ନିର୍ଦ୍ଦେଶାବଳୀକୁ ସମ୍ପୂର୍ଣ୍ଣଭାବେ ନିଷ୍ଠିତ ପାଳନକରନ୍ତୁ , ଅନ୍ୟଥା ଆପଣଙ୍କ ଉତ୍ତରପତ୍ର ମୂଲ୍ୟାୟନ କରାଯିବ ନାହିଁ ଏବଂ ଶୂନ୍ୟ ମାର୍କ ପ୍ରଦାନ କରାଯିବ ।
8. Failure to hand over the Answer Sheet to the Invigilator before leaving the examination hall/room shall make you liable for penal action.	୮. ପରୀକ୍ଷା ହଲ/କୋଠରୀ ଛାଡ଼ିବା ପୂର୍ବରୁ ଆପଣଙ୍କ ଉତ୍ତରପତ୍ର ପରୀକ୍ଷକଙ୍କ ହସ୍ତାନ୍ତର ନ କରିପାରିଲେ ଆପଣ ଆଇନାନୁଯାୟୀ ଦଣ୍ଡନୀୟ ହେବେ ।
9. Failure to comply with any of the above instructions shall be considered as adopting unfair means and action as deemed proper shall be taken.	୯.ଉପରୋକ୍ତ ନିର୍ଦ୍ଦେଶାବଳୀରୁ କୌଣସିଟି ଅନୁପାଳନରେ ଖିଲାପକଲେ ଏହାକୁ ଅସତ ଉପାୟ ଅବଲମ୍ବନ ବୋଲି ବିବେଚନା କରାଯିବ ଏବଂ ଯଥୋଚିତ କାର୍ଯ୍ୟାନୁଷ୍ଠାନ ଗ୍ରହଣ କରାଯିବ ।

DO NOT OPEN THE SEAL OF THE QUESTION BOOKLET UNTIL YOU ARE ASKED TO DO SO

SEAL

Space for Rough Work

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. The LCM of two numbers is 48. The numbers are in the ratio of 2 : 3. Find the sum of the numbers ?

   ଦୁଇଟି ସଂଖ୍ୟାର ଲ:ସା:ଗୁ 48 । ସେହି ସଂଖ୍ୟା ଦୁଇଟିର ଅନୁପାତ 2 : 3 । ସଂଖ୍ୟା ଦୁଇଟିର ଯୋଗଫଳ କେତେ ?

   A) 28   B) 32

   C) 40   D) 64

2. If $(a + b) : (a - b) = 5 : 3$, then find $(a^2 + b^2) : (a^2 - b^2)$

   ଯଦି $(a + b) : (a - b) = 5 : 3$, ତେବେ $(a^2 + b^2) : (a^2 - b^2)$ କେତେ ?

   A) 17 : 15   B) 25 : 9

   C) 4 : 1   D) 16 : 1

3. In a school, the ratio of boys and girls is 4 : 5. When 100 girls leave the school, the ratio becomes 6 : 7. How many boys are there in the school ?

   ଗୋଟିଏ ବିଦ୍ୟାଳୟରେ ବାଳକ ଓ ବାଳିକାଙ୍କର ଅନୁପାତ 4 : 5 । ଯେତେବେଳେ 100 ବାଳିକା ସେହି ବିଦ୍ୟାଳୟ ଛାଡ଼ି ଚାଲିଯାଆନ୍ତି ତେବେ ବାଳକ ଓ ବାଳିକାଙ୍କର ଅନୁପାତ 6 : 7 ହୁଏ । ତେବେ ବିଦ୍ୟାଳୟର ବାଳକ ସଂଖ୍ୟା କେତେ ?

   A) 1200   B) 1300

   C) 1400   D) 1500

4. A sum of money placed at compound interest becomes double in 5 years. In how many years, it would amount to 8 times of itself at the same rate of interest ?

   ଯଦି ଚକ୍ରବୃଦ୍ଧି ସୁଧରେ କୌଣସି ମୂଳଧନ 5 ବର୍ଷରେ 2 ଗୁଣ ହୁଏ, ତେବେ କେତେ ବର୍ଷରେ ସେହି ଟଙ୍କା ସମାନ ସୁଧହାରରେ 8 ଗୁଣ ହେବ ?

   A) 7 years   B) 10 years

   C) 15 years   D) 20 years

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

'A' ଗୋଟିଏ ଘଡ଼ିକୁ ଶତକଡ଼ା 40 ଲାଭରେ 'B'କୁ ବିକ୍ରି କଲା ଏବଂ 'B' ସେହି ଘଡ଼ିକୁ ଶତକଡ଼ା 20 କ୍ଷତିରେ 'C'କୁ ବିକ୍ରିକଲା। ଯଦି 'C' ସେହି ଘଡ଼ିକୁ 432 ଟଙ୍କାରେ କିଣିଲା, ତେବେ କେତେ ଟଙ୍କାରେ 'A' ସେହି ଘଡ଼ିକୁ କିଣିଥିଲା ?

A) Rs. 385.71 B) Rs. 216 C) Rs. 250 D) Rs. 550

6. A, B and C entered into partnership by making investments in the ratio 3 : 5 : 7. After a year, C invested another Rs 3,37,600 while A withdrew Rs. 45,600. The ratio of investments then changed to 24 : 59 : 167. How much did A invest initially ?

A,B ଓ C ତିନିଜଣ ଅଂଶୀଦାର ଭାବରେ ଗୋଟିଏ ବ୍ୟବସାୟରେ 3 : 5 : 7 ଅନୁପାତରେ ପୁଞ୍ଜି ନିବେଶ କଲେ। ଗୋଟିଏ ବର୍ଷ ପରେ 'C' ସେହି ବ୍ୟବସାୟରେ 3,37,600 ଟଙ୍କା ଅଧିକ ପୁଞ୍ଜି ନିବେଶ କଲାରୁ 'A' ତାର ଅଂଶଧନରୁ 45,600 ଟଙ୍କା କାଢ଼ି ନେଲା। ତା ପରେ ତାଙ୍କର ଅଂଶଧନର ଅନୁପାତ ବଦଳିଯାଇ 24 : 59 : 167 ହେଲା। ତା' ହେଲେ ପ୍ରଥମେ 'A' କେତେ ପୁଞ୍ଜିନିବେଶ କରିଥିଲା ?

A) Rs. 45,600 B) Rs. 96,000 C) Rs. 1,41,600 D) None of these

7. The monthly salary of A, B and C is in the proportion of 2 : 3 : 5. If C's monthly salary is Rs. 1200 more than A's monthly salary, B's annual salary is ?

A, B ଓ Cର ମାସିକ ଦରମାର ଅନୁପାତ 2 : 3 : 5। ଯଦି 'C'ର ମାସିକ ଦରମା 'A'ର ମାସିକ ଦରମାଠାରୁ 1200 ଟଙ୍କା ଅଧିକ ହୁଏ, ତେବେ 'B'ର ବାର୍ଷିକ ଦରମା କେତେ ?

A) Rs. 14400 B) Rs. 24000 C) Rs. 1200 D) Rs. 2000

8. In an election between two candidates, the candidate who gets 30% of the total votes polled is defeated by 16000 votes. What is the total number of votes polled ?

ଏକ ନିର୍ବାଚନରେ ଦୁଇ ଜଣ ପ୍ରାର୍ଥୀ ଥିଲେ। ଯେଉଁ ପ୍ରାର୍ଥୀ ଦିଆ ଯାଇଥିବା ସମୁଦାୟ ଭୋଟ ର ଶତକଡ଼ା 30 ଭାଗ ପାଇଥିଲେ, ସେ 16000 ଭୋଟରେ ହାରିଗଲେ। ତେବେ ସମୁଦାୟ କେତେ ଲୋକ ଭୋଟ ଦେଇଥିଲେ ?

A) 24000 B) 28000 C) 30000 D) 40000

9. On a certain sum, the simple interest at the end of $12\frac{1}{2}$ years becomes $\frac{3}{4}$ of the sum. What is the rate of interest per annum ?

ଯଦି କୌଣସି ମୂଳଧନର ସରଳସୁଧ $12\frac{1}{2}$ ବର୍ଷ ଶେଷରେ ମୂଳଧନର $\frac{3}{4}$ ହୁଏ, ତେବେ ତାହାର ବାର୍ଷିକ ସୁଧହାର କେତେ ହେବ ?

A) 4% B) 5% C) 6% D) 8%

10. By selling a table for Rs. 350 instead of Rs. 400, loss percent increases by 5%. The cost price of the table is ?

ଗୋଟିଏ ଟେବୁଲକୁ 400 ଟଙ୍କାରେ ବିକିବା ପରିବର୍ତ୍ତେ 350 ଟଙ୍କାରେ ବିକିବାରୁ ଶତକଡା 5 କ୍ଷତି ବଢିଗଲା । ତେବେ ଟେବୁଲର କିଣା ମୂଲ୍ୟ କେତେ ?

A) Rs. 435   B) Rs. 417.50   C) Rs. 1000   D) Rs. 1050

11. 'A' began a business with Rs. 21000 and 'B' joined afterwards with Rs. 36000, if the profits at the end of the year are divided equally, then find out after how many months 'B' joined with 'A'?

'A' 21000 ଟଙ୍କାରେ ଗୋଟିଏ ବ୍ୟବସାୟ ଆରମ୍ଭ କଲା ଏବଂ 'B' 36000ଟଙ୍କା ଦେଇ ତା' ସହିତ ଯୋଗ ଦେଲା । ବର୍ଷଶେଷରେ ଲାଭକୁ ଯଦି ସମାନ ଭାବରେ ବାଣ୍ଟି ଦିଆଯାଏ ତେବେ 'B' କେତେ ମାସ ପରେ 'A' ସହିତ ଯୋଗ ଦେଇ ଥିଲା ।

A) 3 months   B) 5 months   C) 7 months   D) None

12. The average age of 4 members of a family is 25 years. If the head of the family is included in this group, then the average age increases by 20%. Find out the age of the head of the family.

ଗୋଟିଏ ପରିବାରର ଚାରିଜଣଙ୍କର ହାରାହାରି ବୟସ 25 ବର୍ଷ । ଯଦି ଏମାନଙ୍କ ସହିତ ପରିବାରର ମୁଖ୍ୟଙ୍କୁ ମିଶାଯାଏ, ତେବେ ସେମାନଙ୍କର ହାରାହାରି ବୟସ ଶତକଡା 20 ବୃଦ୍ଧି ପାଏ । ତେବେ ପରିବାରର ମୁଖ୍ୟଙ୍କ ବୟସ କେତେ ?

A) 45 years   B) 50 years   C) 55 years   D) 60 years

13. The sum of money that will give Re. 1 as simple interest per day at the rate of 5% per annum, is ?

କେଉଁ ମୂଳଧନର ବାର୍ଷିକ ଶତକଡା 5 ହାର ସରଳସୁଧରେ ଦିନକୁ ସୁଧ 1ଟଙ୍କା ହେବ ?

A) Rs. 730   B) Rs. 3650   C) Rs. 7300   D) None of the above

14. What is the smallest number by which 3600 must be divided to make it a perfect cube?

କେଉଁ କ୍ଷୁଦ୍ରତମ ସଂଖ୍ୟା ଦ୍ୱାରା 3600କୁ ଭାଗ କଲେ ତାହା ଗୋଟିଏ ପୂର୍ଣ୍ଣଘନସଂଖ୍ୟା ହୋଇପାରିବ ?

A) 9   B) 50   C) 300   D) 450

15. If $p : q = 3 : 4$ and $q : r = 8 : 9$, then $p : q : r = $ _____ ?

ଯଦି $p : q = 3 : 4$ ଏବଂ $q : r = 8 : 9$ ହୁଏ, ତେବେ $p : q : r$ କେତେ ?

A) 8 : 6 : 9   B) 9 : 8 : 6   C) 6 : 8 : 9   D) 3 : 32 : 8

16. If $\sqrt{33}$ = 5.643, then the value of $\sqrt{\dfrac{3}{11}}$ is ?

ଯଦି $\sqrt{33}$ = 5.643, ତେବେ $\sqrt{\dfrac{3}{11}}$ ର ମୂଲ୍ୟ କେତେ ?

A) 0.513

B) 0.315

C) 1.35

D) None of the above

17. The difference between the cost price and the selling price of an article is Rs. 240. If the profit is 20%, the selling price is ?

ଗୋଟିଏ ପଦାର୍ଥର କିଣାଦାମ୍ ଏବଂ ବିକ୍ରିଦାମ୍ ର ପାର୍ଥକ୍ୟ 240 ଟଙ୍କା । ଯଦି ତାର ଶତକଡ଼ା 20 ଲାଭ ହୁଏ । ତେବେ ସେହି ପଦାର୍ଥର ବିକ୍ରିମୂଲ୍ୟ କେତେ ?

A) Rs. 1440

B) Rs. 1400

C) Rs. 1240

D) Rs. 1200

18. Five times of a positive integer is equal to 3 less than twice the square of that number. Find the number ?

ଗୋଟିଏ ଧନାମ୍ନକ ସଂଖ୍ୟାର 5ଗୁଣ ତାହାର ବର୍ଗର ଦୁଇଗୁଣ ଠାରୁ 3 କମ୍, ତେବେ ସଂଖ୍ୟାଟି କେତେ ?

A) 3

B) 13

C) 23

D) 33

19. If the rate of interest be 4% per annum for first year, 5% per annum for second year and 6% per annum for third year, then the compound interest of Rs. 10000 for 3 years will be ?

ଯଦି ପ୍ରଥମ ବର୍ଷର ସୁଧହାର ଶତକଡ଼ା 4, ଦ୍ୱିତୀୟ ବର୍ଷର ସୁଧହାର ଶତକଡ଼ା 5 ଏବଂ ତୃତୀୟ ବର୍ଷର ସୁଧହାର ଶତକଡ଼ା 6 ହୁଏ, ତେବେ 10,000 ଟଙ୍କାର 3 ବର୍ଷର ଚକ୍ରବୃଦ୍ଧି ସୁଧ କେତେ ହେବ ?

A) Rs. 1575.20

B) Rs. 1600

C) Rs. 1625.80

D) Rs. 2000

20. The difference of simple interest from two banks for Rs. 1000 in 2 years is Rs. 20. Find the difference in rate of interest.

1000 ଟଙ୍କାର ଦୁଇଟି ବ୍ୟାଙ୍କର ସୁଧହାରର ପାର୍ଥକ୍ୟ 2 ବର୍ଷରେ 20 ଟଙ୍କା ହେଲେ ସେମାନଙ୍କର ସୁଧ ହାରର ପାର୍ଥକ୍ୟ କେତେ ହେବ ?

A) 2%

B) 1.5%

C) 1%

D) 2.5%

21. A car travels a certain distance from town A to B at the speed of 42 km/h and from town B to A at a speed of 48 km/h. What is the average speed of the car ?

ଗୋଟିଏ କାର ସହର A ଠାରୁ ସହର B ଦୂରତାକୁ ଘଣ୍ଟାକୁ 42 km ବେଗରେ ଅତିକ୍ରମ କରେ ଏବଂ ସହର B ଠାରୁ ସହର Aର ଦୂରତାକୁ ଘଣ୍ଟାକୁ 48 km ବେଗରେ ଅତିକ୍ରମ କରେ । ତେବେ କାରର ଘଣ୍ଟା ପ୍ରତି ହାରାହାରି ବେଗ କେତେ ?

A) 45 km/h   B) 46 km/h

C) 44.8 km/h   D) None of the above

22. Find the value of $\dfrac{1}{\sqrt{9}-\sqrt{8}} - \dfrac{1}{\sqrt{8}-\sqrt{7}} + \dfrac{1}{\sqrt{7}-\sqrt{6}} - \dfrac{1}{\sqrt{6}-\sqrt{5}} + \dfrac{1}{\sqrt{5}-\sqrt{4}}$.

$\dfrac{1}{\sqrt{9}-\sqrt{8}} - \dfrac{1}{\sqrt{8}-\sqrt{7}} + \dfrac{1}{\sqrt{7}-\sqrt{6}} - \dfrac{1}{\sqrt{6}-\sqrt{5}} + \dfrac{1}{\sqrt{5}-\sqrt{4}}$ ର ମୂଲ୍ୟ କେତେ ?

A) 1   B) 1/3   C) 5   D) None of the above

23. The marked price of a TV is Rs. 16000. After two successive discounts it is sold for Rs. 11400. If the first discount is 5%, then rate of second discount is ?

ଗୋଟିଏ T.V.ର ଲିଖିତ ମୂଲ୍ୟ 16000 ଟଙ୍କା । ଦୁଇଟି କ୍ରମିକ ରିହାତି ପରେ T.V.ଟି 11400 ଟଙ୍କାରେ ବିକ୍ରି ହେଲା । ଯଦି T.V.ର ପ୍ରଥମ ରିହାତି ଶତକଡା 5 ହୁଏ, ତେବେ ଦ୍ୱିତୀୟ ରିହାତିର ହାର କେତେ ?

A) 15%   B) 20%

C) 30%   D) 25%

24. Find the last two digits of 15x37x63x51x97x17

15x37x63x51x97x17ର ଶେଷ ଦୁଇଟି ଅଙ୍କ କ'ଣ ?

A) 3, 5   B) 4, 5

C) 5, 5   D) 8, 5

25. A, B and C can do a work in 20, 25 and 30 days, respectively. They undertook to finish the work together for Rs. 2220, then the share of A exceeds that of B by ?

A,B ଏବଂ C ଗୋଟିଏ କାମକୁ ଯଥାକ୍ରମେ 20ଦିନ, 25ଦିନ ଏବଂ 30ଦିନରେ ଶେଷ କରିପାରନ୍ତି । ସେମାନେ ସେହି କାମକୁ ଏକା ସାଙ୍ଗରେ 2220 ଟଙ୍କାରେ ଶେଷ କରିବାକୁ ଚୁକ୍ତି କରିଥିଲେ । ତେବେ Aର ଅଂଶଧନ Bର ଅଂଶଧନ ଠାରୁ କେତେ ଅଧିକ ?

A) Rs. 120   B) Rs. 180

C) Rs. 300   D) Rs. 600

26. A mixture of 40 litres of milk and water contains 10% water. How much water should be added to it so that water will be 20% in the new mixture ?

40 ଲିଟର କ୍ଷୀର ଓ ପାଣିର ମିଶ୍ରଣରେ ପାଣିର ପରିମାଣ ଶତକଡ଼ା 10 । ଏହି ମିଶ୍ରଣରେ କେତେ ପାଣି ମିଶାଇଲେ ନୂତନ ମିଶ୍ରଣରେ ପାଣିର ପରିମାଣ ଶତକଡ଼ା 20 ହେବ ?

A) 2.5 L   B) 3.5 L

C) 4 L   D) 5 L

27. If $(\sqrt{a} + \sqrt{b}) = 17$ and $(\sqrt{a} - \sqrt{b}) = 1$, then find $\sqrt{ab}$

ଯଦି $(\sqrt{a} + \sqrt{b}) = 17$ ଏବଂ $(\sqrt{a} - \sqrt{b}) = 1$ ତେବେ $\sqrt{ab}$ ର ମୂଲ୍ୟ କେତେ ହେବ ?

A) 17   B) 18

C) 72   D) None of the above

28. A sum of money is to be divided among A, B and C in the ratio 2 : 3 : 7. If the total share of A and B together is Rs. 1500 less than C, what is A's share in it ?

କୌଣସି ମୂଳଧନ A,B ଓ C ମଧ୍ୟରେ 2 : 3 : 7 ଅନୁପାତରେ ଭାଗ କରାଯିବାର ଥିଲା । ଯଦି 'A' ଓ 'B'ର ସମୁଦାୟ ଅଂଶ 'C'ର ସମୁଦାୟ ଅଂଶଠାରୁ 1500 ଟଙ୍କା କମ୍ ହୋଇଥାଏ ତେବେ 'A'ର ଅଂଶଧନ କେତେ ?

A) Rs. 1000   B) Rs. 1500

C) Rs. 2000   D) None of the above

29. The maximum length of a pencil that can be kept in a rectangular box of dimensions of 8 cm × 6 cm × 2 cm is ?

8 cm × 6 cm × 2cm ବିଶିଷ୍ଟ ଆୟତଘନାକାର ବକ୍ସ ଭିତରେ ଅତି ବେଶୀରେ କେତେ ଲମ୍ବର ପେନସିଲ ରଖାଯାଇପାରିବ ?

A) $2\sqrt{13}$ cm   B) $2\sqrt{14}$ cm

C) $2\sqrt{26}$ cm   D) $10\sqrt{2}$ cm

30. When 50% of one number is added to a second number, the second number reduces to its four-thirds. What is the ratio between the first number and second number ?

ଯେତେବେଳ ଗୋଟିଏ ନମ୍ବରର ଶତକଡ଼ା 50 ଦ୍ୱିତୀୟ ନମ୍ବର ସହିତ ଯୋଗ ହୁଏ, ଦ୍ୱିତୀୟ ନମ୍ବରର $\frac{4}{3}$ ଅଂଶକମ୍ ହୋଇଯାଏ, ତେବେ ପ୍ରଥମ ନମ୍ବର ଏବଂ ଦ୍ୱିତୀୟ ନମ୍ବର ମଧ୍ୟରେ ଅନୁପାତ କେତେ ?

A) 3 : 2   B) 3 : 4

C) 2 : 3   D) Data inadequate

31. A man invests $\frac{1}{3}$ of his capital at 7% p.a, $\frac{1}{4}$ at 8% p.a, and the balance at 10% p.a. If his annual income is Rs. 561, the capital is ?

ଜଣେ ଲୋକ ତାର ସମୁଦାୟ ପୁଞ୍ଜିର $\frac{1}{3}$ ଅଂଶ ବାର୍ଷିକ ଶତକଡ଼ା 7 ହାରରେ, $\frac{1}{4}$ ଅଂଶ ବାର୍ଷିକ ଶତକଡ଼ା 8 ହାର ସୁଧରେ ଖଟାଇଲେ ଏବଂ ଅବଶିଷ୍ଟ ଅଂଶ ଶତକଡ଼ା ବାର୍ଷିକ 10 ହାର ସୁଧରେ ଖଟାଇଲେ । ଯଦି ତାଙ୍କର ରୋଜଗାର 561 ଟଙ୍କା ହୁଏ, ତେବେ ତାଙ୍କର ସମୁଦାୟ ପୁଞ୍ଜି କେତେ ?

A) Rs. 5400   B) Rs. 6000   C) Rs. 6600   D) Rs. 7200

32. What is the smallest positive integer which when multiplied by 392, gives a perfect square ?

କେଉଁ କ୍ଷୁଦ୍ରତମ ଧନାମ୍କ ପୂର୍ଣ୍ଣ ସଂଖ୍ୟାକୁ 392 ଦ୍ୱାରା ଗୁଣିଲେ ତାହା ଏକ ପୂର୍ଣ୍ଣ ବର୍ଗରେ ପରିଣତ ହେବ ?

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

33. Rama purchased a mobile at $\frac{3}{10}$ th of its selling price and sold it at 10% more than its cost price. Find the gain percent ?

ରାମ ଗୋଟିଏ ମୋବାଇଲକୁ ତାର ବିକ୍ରିଦାମର $\frac{3}{10}$ ଦେଇ କିଣିଲା ଏବଂ କିଣା ମୂଲ୍ୟର ଶତକଡ଼ା 10 ଅଧିକରେ ବିକ୍ରି କଲା । ତେବେ ତା'ର ଶତକଡ଼ା କେତେ ଲାଭ ହେଲା ?

A) 15%   B) 5%
C) 9%   D) 10%

34. A and B started a joint business. A's investment was thrice the investment of B and the period of his investment was twice the period of investment of B. If B got Rs. 6000 as profit, then what will be the 20% of total profit ?

A ଓ B ଏକାସାଙ୍ଗରେ ଗୋଟିଏ ବ୍ୟବସାୟ ଆରମ୍ଭ କଲେ । 'A' ଯେତେ ଟଙ୍କା ଖଟାଇ ଥିଲା ତାହା 'B' ଟଙ୍କାର 3 ଗୁଣ ଥିଲା ଏବଂ ଯେତେ ସମୟ ପାଇଁ ଖଟାଇଥିଲା ତାହା 'B'ର ଖଟାଇଥିବା ସମୟ ସୀମାର ଦୁଇଗୁଣ ଥିଲା । ଯଦି 'B' ସେହି ବ୍ୟବସାୟରୁ 6000 ଟଙ୍କା ଲାଭ ପାଇଲା, ତେବେ ସମୁଦାୟ ଲାଭର ଶତକଡ଼ା 20 କେତେ ହେବ ?

A) Rs. 5000   B) Rs. 8400
C) Rs. 3500   D) Rs. 4500

35. How many numbers between 200 and 600 are divisible by 4, 5 and 6 ?

200 ଏବଂ 600 ମଧ୍ୟରେ କେତୋଟି ସଂଖ୍ୟା 4, 5 ଏବଂ 6 ଦ୍ୱାରା ବିଭାଜ୍ୟ ଅଟେ ?

A) 5   B) 6   C) 7   D) 8

36. Three bells chime at intervals of 48, 60 and 90 minutes respectively. If all the three bells chime together at 10.00am at what time will all the three chime again that day ?

ତିନୋଟି ଘଣ୍ଟା ଯଥାକ୍ରମେ 48, 60 ଏବଂ 90 ମିନିଟ୍ ଅନ୍ତରରେ ବାଜେ, ଯଦି ସବୁ ଘଣ୍ଟା ଗୁଡିକ ଏକ ସମୟରେ ସକାଳ 10.00 am ରେ ବାଜନ୍ତି, ତେବେ ପୁନର୍ବାର କେଉଁ ସମୟରେ ସେହି ତିନୋଟି ଘଣ୍ଟା ଏକ ସମୟରେ ବାଜିବେ ?

A) 1.00 pm   B) 2.00 pm   C) 8.00 pm   D) 10.00 pm

37. The length of a rectangle is increased by 60%, by what percentage would the width has to be decreased to maintain the same area ?

ଗୋଟିଏ ଆୟତକ୍ଷେତ୍ରର ଦୈର୍ଘ୍ୟକୁ ଶତକଡା 60 ବଢାଇ, ତାହାର ପ୍ରସ୍ଥକୁ ଶତକଡା କେତେ କମାଇଲେ, ଆୟତକ୍ଷେତ୍ରଟିର କ୍ଷେତ୍ରଫଳ ସମାନ ରହିବ ?

A) $37\frac{1}{2}$ %   B) 60%

C) $66\frac{2}{3}$ %   D) None of the above

38. The price of wheat is decreased by 25% and its consumption increases by 25%. Find the new ratio of the expenditure with that of the initial expenditure.

ଗହମର ମୂଲ୍ୟ ଶତକଡା 25 କମିଗଲେ ଏହାର ବ୍ୟବହାର ଶତକଡା 25 ବଢିଯାଏ । ତେବେ ନୂତନ ଖର୍ଚ୍ଚ ଓ ପ୍ରଥମେ ହୋଇଥିବା ଖର୍ଚ୍ଚର ଅନୁପାତ କେତେ ହେବ ?

A) 3 : 4   B) 5 : 4
C) 16 : 25   D) 15 : 16

39. The average of 50 numbers is 38. If the two numbers 45 and 55 are not considered, what will be the average of the remaining numbers ?

50ଟି ସଂଖ୍ୟାର ହାରାହାରି 38 । ଯଦି ସେହି ସଂଖ୍ୟା ମାନଙ୍କ ମଧ୍ୟରୁ 45 ଓ 55କୁ ବାଦ୍ ଦିଆଯାଏ, ତେବେ ଅବଶିଷ୍ଟ ସଂଖ୍ୟାର ହାରାହାରି କେତେ ହେବ ?

A) 36.5   B) 37
C) 37.5   D) 37.52

40. A book seller gets 10% profit after giving 10% discount on the marked price of a book. If the marked price is Rs. 77, then find out the cost price of the book ?

ଜଣେ ବହି ଦୋକାନୀ ଖଣ୍ଡେ ବହିର ଲିଖିତ ମୂଲ୍ୟ ଉପରେ 10% ରିହାତି ଦେବା ପରେ ମଧ 10% ଲାଭ କରନ୍ତି । ଯଦି ବହି ଉପରେ ଦାମ୍ 77 ଟଙ୍କା ଲେଖାଯାଇଥାଏ ତାହାହେଲେ ବହିଟିର କ୍ରୟ ମୂଲ୍ୟ କେତେ ?

A) Rs. 70   B) Rs. 77
C) Rs. 63   D) Rs. 60

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. LCM of three numbers is 720 and their HCF is 3. If the first number and the second number are 15 and 36 respectively, then what is the third number ?

   ତିନୋଟି ସଂଖ୍ୟାର ଲ.ସା.ଗୁ. 720 ଓ ଗ.ସା.ଗୁ. 3 । ଯଦି ପ୍ରଥମ ଓ ଦ୍ୱିତୀୟ ସଂଖ୍ୟାଦ୍ୱୟ 15 ଓ 36 ହୁଅନ୍ତି, ତେବେ ତୃତୀୟ ସଂଖ୍ୟାଟି କେତେ ?

   A) 42 B) 45 C) 48 D) 54

42. If A : B = 3 : 4, B : C = 5 : 6 and C : D = 11 : 9, then what is the value of A : D ?

   ଯଦି A : B = 3 : 4, B : C = 5 : 6 ଏବଂ C : D = 11 : 9 ହୁଏ, ତେବେ A : D କେତେ ?

   A) 50 : 60 B) 55 : 72 C) 60 : 70 D) 65 : 75

43. The ratio of two numbers is 5 : 6. If their HCF is 4, then what will be their LCM ?

   ଦୁଇଟି ସଂଖ୍ୟାର ଅନୁପାତ 5 : 6 । ଯଦି ସେମାନଙ୍କର ଗ.ସା.ଗୁ. 4 ହୁଏ, ତେବେ ସେମାନଙ୍କର ଲ.ସା.ଗୁ. କେତେ ?

   A) 90 B) 96 C) 120 D) 150

44. If $p^3 - q^3 = (p - q) \{(p - q)^2 - xpq\}$, then the value of x is ?

   ଯଦି $p^3 - q^3 = (p - q) \{(p - q)^2 - xpq\}$ ହୁଏ, ତେବେ x ର ମୂଲ୍ୟ କେତେ ?

   A) 1 B) 3 C) –3 D) –1

45. Find the value of $\sqrt{15^2 + 11 \times 3^2}$?

   $\sqrt{15^2 + 11 \times 3^2}$ ର ମୂଲ୍ୟ କେତେ ?

   A) 18.25 B) 19 C) 18 D) 19.5

46. A person bought two T.V.s. He sold one T.V. for Rs. 3450 and got 15% profit. He sold the other T.V. at a loss of 10%. If he has no profit or loss all total then what is the selling price of the second T.V ?

   ଜଣେ ଲୋକ ଦୁଇଟି T.V. କିଣି, ଗୋଟିକୁ 3450 ଟଙ୍କା ରେ ବିକ୍ରି କରି 15% ଲାଭ କଲେ ଓ ଅନ୍ୟଟିକୁ 10% କ୍ଷତିରେ ବିକ୍ରି କଲେ । ଯଦି ମୋଟ ଉପରେ ତାଙ୍କର କିଛି ଲାଭ କିମ୍ବା କ୍ଷତି ହୋଇ ନ ଥାଏ, ତେବେ ଦ୍ୱିତୀୟ T.V. ର ବିକ୍ରିମୂଲ୍ୟ କେତେ ?

   A) Rs. 3450 B) Rs. 4000 C) Rs. 4500 D) None of these

47. Ramesh got 65% marks in English, out of 70 he got 47 marks in Mathematics and out of 45 he got 31 in Science. In which subject he had done well ?

ରମେଶ ଇଂରାଜୀରେ 65% ନମ୍ବର, ଗଣିତରେ 70ରୁ 47ନମ୍ବର ଓ ବିଜ୍ଞାନରେ 45ରୁ 31 ନମ୍ବର ରଖିଥିଲା। ସେ ଏଗୁଡ଼ିକ ମଧ୍ୟରୁ କେଉଁ ବିଷୟରେ ଭଲ କରିଥିଲା ?

A) English   B) Science   C) Mathematics   D) None of these

48. If 15% of A is equal to 20% of B, then 25% of A is equal to what percent of B.

ଯଦି Aର ଶତକଡ଼ା 15,Bର ଶତକଡ଼ା 20 ସହ ସମାନ ହୁଏ, ତେବେ Aର ଶତକଡ଼ା 25,Bର ଶତକଡ଼ା କେତେ ସହ ସମାନ ହେବ ?

A) 30%   B) $33\frac{1}{3}$%   C) 35%   D) 25%

49. If simple interest at the rate of 4% per annum for 2 years on a sum is Rs. 80, then compound interest on the same sum for the same period at the same rate will be ?

ଯଦି କୌଣସି ମୂଳଧନର ଶତକଡ଼ା 4 ହାରରେ 2 ବର୍ଷର ସରଳସୁଧ 80ଟଙ୍କା, ତେବେ ସେହି ମୂଳଧନର ସେହି ସମୟ ମଧ୍ୟରେ ସେହି ସୁଧ ହାରରେ ଚକ୍ରବୃଦ୍ଧି ସୁଧ କେତେ ହେବ ?

A) Rs. 1081.60   B) Rs. 81.60   C) Rs. 160   D) None of the above

50. Find the sum of first 50 odd numbers.

ପ୍ରଥମ 50ଟି ଅଯୁଗ୍ମ ସଂଖ୍ୟାର ଯୋଗଫଳ କେତେ ?

A) 6250   B) 2500   C) 2520   D) 2450

51. The sum of the square of two numbers is 100 and the square of their difference is 28. The product of the two numbers is ?

ଦୁଇଟି ସଂଖ୍ୟାର ବର୍ଗର ସମଷ୍ଟି 100 ଏବଂ ସେମାନଙ୍କର ବର୍ଗର ଅନ୍ତର 28 । ସେହି ଦୁଇଟି ସଂଖ୍ୟାର ଗୁଣଫଳ କେତେ ?

A) 42   B) 44   C) 46   D) 48

52. The sum of all the perfect squares between 120 and 230 is ?

120 ରୁ 230 ମଧ୍ୟରେ ଥିବା ସମସ୍ତ ପୂର୍ଣ୍ଣବର୍ଗର ସମଷ୍ଟି କେତେ ?

A) 855   B) 900   C) 850   D) None of these

53. The sum of two numbers is 384 and their HCF is 48. Find out the difference between two numbers ?

ଦୁଇଟି ସଂଖ୍ୟାର ଯୋଗଫଳ 384 ଏବଂ ସଂଖ୍ୟାଦ୍ୱୟର ଗ.ସା.ଗୁ. 48 । ତେବେ ସଂଖ୍ୟାଦ୍ୱୟ ମଧ୍ୟରେ ଅନ୍ତର କେତେ ?

A) 100   B) 192   C) 288   D) 336

54. A sum of Rs. 782 is distributed among P, Q and R in the ratio of $\frac{1}{2} : \frac{2}{3} : \frac{3}{4}$. What is the amount that R will get ?

782 ଟଙ୍କାକୁ P, Q ଓ R ମଧ୍ୟରେ $\frac{1}{2} : \frac{2}{3} : \frac{3}{4}$ ଅନୁପାତରେ ବାଣ୍ଟି ଦିଆଗଲା, ତେବେ R କେତେ ଟଙ୍କାପାଇବ ?

     A) Rs.153   B) Rs.305   C) Rs.453   D) Rs.306

55. If 2x = 3y and 4y = 5z, then what is the value of x : z ?

ଯଦି 2x = 3y ଏବଂ 4y = 5z ହୁଏ, ତେବେ x : z = କେତେ ?

     A) 3 : 4   B) 8 : 15   C) 15 : 8   D) 4 : 3

56. Two successive discount of 20% and 10% are equivalent to a single discount of ?

ଗୋଟିଏ ଜିନିଷ ଉପରେ ଦୁଇଟି କ୍ରମାଗତ ରିହାତି 20% ଓ 10% ପରିବର୍ତ୍ତେ ଥରେ ରିହାତି ଦେଲେ ତାହା ଶତକଡ଼ା କେତେ ରିହାତି ସହ ସମାନ ହେବ ?

     A) 26%   B) 28%   C) 29%   D) 30%

57. The average age of three boys is 15 years. If the ratio of their age is 3 : 5 : 7. What is the age of the oldest boy ?

ତିନିଜଣ ବାଳକଙ୍କର ହାରାହାରି ବୟସ 15 ବର୍ଷ । ଯଦି ସେମାନଙ୍କର ବୟସର ଅନୁପାତ 3 : 5 : 7, ତେବେ ସବୁଠାରୁ ବୟସ୍କ ବାଳକର ବୟସ କେତେ ?

     A) 7 years   B) 14 years   C) 20 years   D) 21 years

58. What will be the total Compound Interest for 9 months on Rs. 8000 at the rate of 20%, if the interest is compounded quarterly ?

8,000 ଟଙ୍କାରେ 20% ଚକ୍ରବୃଦ୍ଧି ସୁଧହାରରେ 9 ମାସର ମୋଟ ଚକ୍ରବୃଦ୍ଧି ସୁଧ କେତେ ହେବ, ଯଦି 3 ମାସକୁ ଥରେ ସୁଧ ହିସାବ କରାଯାଏ ?

     A) Rs.1,250   B) Rs.1,258   C) Rs.1,261   D) Rs.1,270

59. If $\frac{4}{9}$ of $\frac{3}{10}$ of $\frac{5}{8}$ of a number is 45, then 30% of the number will be ?

ଯେଉଁ ସଂଖ୍ୟାର $\frac{4}{9}$ ର $\frac{3}{10}$ ର $\frac{5}{8}$ ର ମାନ 45 ହୁଏ, ତେବେ ସେହି ସଂଖ୍ୟାର ଶତକଡ଼ା 30 କେତେ ହେବ ?

     A) 216   B) 162   C) 612   D) 621

60. In a division, divisor is 12 times of the quotient and 5 times of the remainder. If the remainder is 48, find the dividend.

ଗୋଟିଏ ଭାଗକ୍ରିୟାରେ ଭାଜକ ଭାଗଫଳର 12 ଗୁଣ ଓ ଭାଗଶେଷର 5 ଗୁଣ । ଯଦି ଭାଗଶେଷ 48 ହୁଏ ତେବେ ଭାଜ୍ୟ କେତେ ?

     A) 4848   B) 676   C) 250   D) 5800

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. Which of the following is an absolute cell reference in MS-Excel ?

A) !A!1　　　　　B) A1　　　　　C) #a#1　　　　　D) A1

62. In MS-PowerPoint, presentation designs regulate the formatting and layout for the slide and are commonly called :

A) design plates　　　　　　　　　B) templates

C) placeholders　　　　　　　　　D) blueprints

63. Which of the following should you use if you want all the slides in the presentation to have the same "look" in MS-PowerPoint ?

A) the slide layout option

B) the add a slide option

C) outline view

D) a presentation design template

64. Which of the following is correct in MS-Excel ?

A) = power (2^3)　　　　　　　　　B) = power (2*3)

C) = power (2,3)　　　　　　　　　D) None of these

65. How to go to Page number 345 in a MS-WORD document containing 465 pages ?

A) Press Ctrl + F, then enter 345 and press enter

B) Press Ctrl + R, then enter 345 and press enter

C) Press Alt + G, then enter 345 and press enter

D) Press Ctrl + G, then enter 345 and press enter

66. What is the maximum number of columns in a table in MS-word ?

A) 43　　　　　　B) 53　　　　　　C) 63　　　　　　D) 73

67. In MS-PowerPoint, the Header & Footer button can be found on the insert tab in what group ?

    A) Illustrations group   B) Object group

    C) Text group   D) Tables group

68. In MS-Excel, to drag a selected range of data to another worksheet in the same workbook, use the :

    A) Ctrl key   B) Shift key   C) Alt key   D) Tab key

69. A _____ is approximately one billion bytes.

    A) Megabyte   B) Gigabyte

    C) Terabyte   D) None of these

70. What does the VLOOKUP function do in MS-Excel ?

    A) Looks up text that contain 'v'

    B) Checks whether text is the same in one cell as in the next

    C) Finds value in an array

    D) All of the above

71. A feature in MS-Excel that displays only the data in column (s) according to specified criteria :

    A) Formula   B) Sorting   C) Filtering   D) Pivot

72. In MS Word, which of the following do you use to change margins ?

    A) formatting toolbar

    B) page setup dialog box

    C) standard toolbar

    D) paragraph dialog box

73. In MS-PowerPoint how can you create a uniform appearance by adding a background image to all slides ?

    A) Edit page layout   B) Edit the slide master

    C) Use the autocorrect wizard   D) All of the above

A

74. In MS-Excel the cell reference for a range of cells that starts in cell C1 and goes over to column H and down to row 10 is :

A) C1:10H

B) C1:H10

C) C1:H-10

D) C1:H:10

75. By default, your documents print in _____ mode in MS Word.

A) Landscape

B) Portrait

C) Page Setup

D) Print View

76. What is the function of Ctrl+B in MS word ?

A) It converts selected text into the next larger size of the same font

B) It adds a line break to the document

C) It makes the selected text bold

D) It applies italic to text

77. In MS-Excel you can create hyperlinks from the Excel workbook to :

A) A webpage on company internet

B) A web page on the internet

C) Other Office application documents

D) All of the above

78. In MS-Excel what does SUMIF function do ?
A) Adds up cell values based on a condition
B) Adds all the numbers in a range of cells
C) Returns a subtotal in a list or database
D) Both (A) & (B)

79. In order to enter multiple rows in a cell in MS-Excel, which key(s) should be pressed after each line :

A) Enter

B) Ctrl + Enter

C) Alt + Enter

D) None of these

80. Match the following :

    a) File extension for Power point file   i) .doc
    b) File extension for Word file   ii) .xlsx
    c) File extension for Excel file   iii) .pptx
    d) File extension for Text file   iv) .txt

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

81. The word FTP stands for :

    A) File Transit Protocol   B) File Translate Protocol
    C) File Transfer Protocol   D) File Typing Protocol

82. In MS-Excel the drag and drop method of copying or moving :

    A) Can be used between a worksheet but not workbooks

    B) Can be used between both workbooks and worksheets

    C) Can be used between workbooks but not worksheets

    D) None of these

83. In MS-PowerPoint, if you want to insert some slides from other presentation into current one choose :

    A) From Insert menu choose Slides from Files

    B) From Insert menu choose Slides from Presentation

    C) From Insert menu choose Slides

    D) None of the above

84. A function inside another function is called a _____ function.

    A) Nested   B) Round   C) Sum   D) Text

85. For addition of a row at the end of a table in MS Word, move the cursor at the end and use :

    A) Alt   B) Tab   C) Ctrl   D) Shift

86. Which one is not a Function in MS-Excel ?

    A) SUM   B) AVG   C) MAX   D) MIN

87. Which of these is a shortcut to add a border to the selected cell in MS Excel ?

    A) Ctrl + T   B) Ctrl + B   C) Shift + B   D) Ctrl + Shift + &

88. Which key should be pressed to start a new paragraph in MS-Word ?

    A) Down Cursor Key   B) Enter Key   C) Shift + Enter   D) Ctrl + Enter

89. Which input device cannot be used to work in MS Office ?

    A) Scanner   B) Light Pen   C) Mouse   D) Joy Stick

90. Which Key is used to rename a file in Windows Operating System ?

    A) F1   B) F5   C) F2   D) None of these

91. In MS-Excel how can you remove borders applied in cells ?

    A) Choose None on Border tab of Format cells

    B) Open the list on Border tool in Formatting toolbar then choose first tool (no border)

    C) Both of the above

    D) None of the above

92. In MS-Excel which function displays row data in a column or column data in a row ?

    A) Hyperlink   B) Index   C) Rows   D) Transpose

93. The maximum Zoom percentage in MS-PowerPoint is :

    A) 200%   B) 300%   C) 400%   D) 500%

94. In MS-PowerPoint when you were giving your presentation, and you need to click a slide that's few slides back. Best way to achieve this is :

    A) Press ESC to get back into a normal view: click the slide thumbnail in normal view; then click the resume slide show button

    B) Press backspace until your desired slide

    C) Right click -->Goto Slide --> Select Slide

    D) All of the above

95. Firewall is used in PC for :

    A) Authentication   B) Security

    C) All of the above   D) None of these

96. In MS-Excel you want to paste a formula result - but not the underlying formula - to another cell. The procedure is to first copy the cell with the formula, then place the insertion point in the cell where you want to copy to. Then next step is to :

   A) Click the Paste button on the standard toolbar

   B) Click the arrow on the paste button on the standard toolbar, then click formulas

   C) Click the arrow on the paste button on the standard toolbar, then click values

   D) Both (A) & (C)

97. You have got a bunch of digital holiday photos you want to put into a slide show. What is the quickest method in MS-PowerPoint ?

   A) Apply a multiple-picture layout to several slides, and use the clipart icon on the slides to import your picture

   B) On the insert menu, point to the picture, click from file, and select your picture in a group for each slide

   C) On the insert menu, point the picture and click new photo album

   D) All of the above

98. What will happen if you select 4 rows from row heading in MS-Excel and then right click and select insert ?

   A) inserts a new row before the first selected row

   B) inserts 4 new rows before the first selected row

   C) inserts 8 new rows before the first selected row

   D) None of the above

99. How do you insert a row in MS-Excel ?

   A) Right-click the row heading where you want to insert the new row and select Insert from the shortcut menu

   B) Select the row heading where you want to insert the new row and select Edit >Row from the menu

   C) Select the row heading where you want to insert the new row and click the Insert Row button on the standard toolbar

   D) All of the above

100. In MS Excel, 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 the above

BASIC COMPUTER SKILL

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 is the function button for spelling and grammar in MS Word ?

A) F3   B) F5   C) F7   D) F9

102. In MS-PowerPoint, which of the following should be used when you want to add a slide to an existing presentation ?

A) Edit, Add a New Slide   B) Insert, New Slide

C) File, Open   D) File, New

103. In MS-PowerPoint the entry effect as one slide replaces another in a show is called :

A) Animation   B) Slide transition

C) Custom animation   D) Preset animation

104. Which command brings you to the first slide in your presentation in MS-PowerPoint ?

A) New slide button   B) Page up

C) Ctrl + home   D) Ctrl + end

105. What will be the shortcut key in MS Windows to perform cut operation ?

A) Ctrl+C   B) Ctrl+Z

C) Ctrl+P   D) Ctrl+X

106. Which of the following is the largest unit of storage ?

A) GB   B) KB   C) MB   D) TB

107. In MS-Excel a circular reference is :

A) Geometric modelling tool

B) A cell that points to a drawing object

C) A formula that either directly or indirectly depends on itself

D) Always erroneous

108. The shortcut command of 'save' in MS Word :

    A) Ctrl + A   B) ALT + F + S

    C) Ctrl + S   D) Both (B) and (C)

109. Ctrl + Y is the short cut key for MS :

    A) Undo the last action

    B) Paste the selected text

    C) Cut the selected text

    D) Redo the last action

110. Which is the short cut of 'replace' in MS Word ?

    A) Ctrl + R   B) Ctrl + F

    C) Ctrl + H   D) Ctrl + Y

111. In MS-PowerPoint which of the following can you use to add time to the slides in a presentation ?

    A) Slide Show menu   B) Rehearse timing button

    C) Slide transition button   D) All of the above

112. What type of chart is useful for showing trends or changes over time in MS-Excel ?

    A) Pie Chart   B) Column Chart

    C) Line Chart   D) Dot Graph

113. In MS-PowerPoint in order to see all the slides on one screen use :

    A) View, slide sorter

    B) View, slide

    C) View, master

    D) View, slide show

114. The ____ feature of MS Excel quickly completes a series of data.

    A) Auto Complete

    B) Auto Fill

    C) Fill Handle

    D) Sorting

115. What is the shortcut to insert comment in MS Excel ?

    A) Ctrl + F6

    B) Alt + F8

    C) Shift + F9

    D) Shift + F2

116. If a new device is attached to a computer, such as printer or scanner, its _____ must be installed before the device can be used.

    A) buffer

    B) driver

    C) pager

    D) server

117. In MS-Word, how to change the author name for review comments ?

    A) File>Open>Change Author

    B) Right Click > Click on Author > Change Name

    C) Tracking > Track Changes Option >Change User name

    D) None of these

118. How to Add a new word into Dictionary of MS Word ?

    A) In Spelling & Grammar > New word > enter the word> save

    B) Insert>select word >Add to Dictionary

    C) In Spelling & Grammar > find the new word >Add

    D) Word provides no such option to add more words to its Dictionary

119. What is the use of Track Changes in MS Word ?

    A) To lock the document if changes are done

    B) To record changes done to the document by multiple editors

    C) To change the word document to excel format

    D) All of the above

120. In MS-Excel, value used in a formula that does not change is called a :

    A) Cell address

    B) Constant

    C) Function

    D) None of these

Space for Rough Work

Space for Rough Work