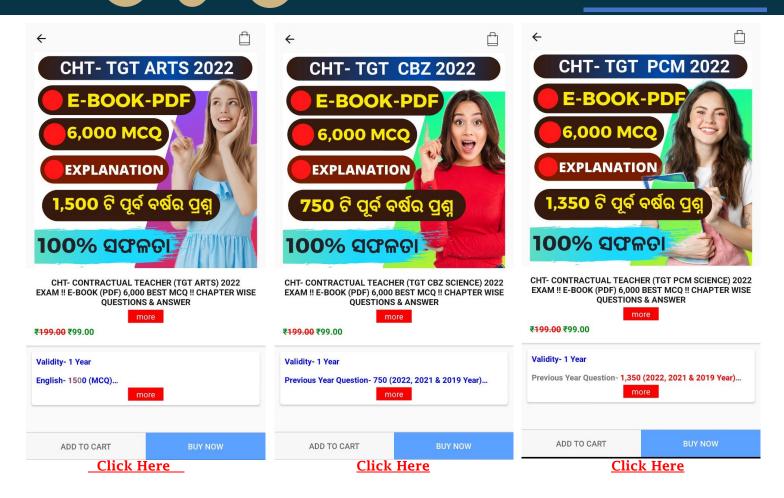
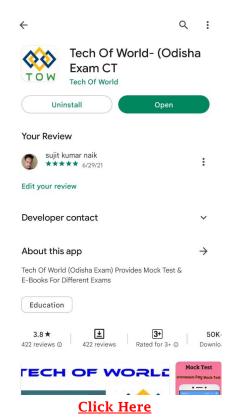
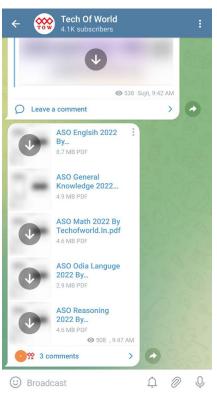
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#### Section 1 - Paper I General Knowledge and Current Affairs

- 1) Who among the following are the beneficiaries of the new Balaram Yojana launched by the Government of Odisha in 2022?
- A) People below poverty line
- B) Landless farmers
- C) MNREGA workers
- D) Fishermen
- 1) ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ, 2022 ମସିହାରେ ଓଡ଼ିଶା ସରକାରଙ୍କ ହ୍ୱାର। ଆରୟ ହୋଇଥିବା ନୃତନ ବଳରାମ ଯୋଜ<mark>ନାର</mark> କେଉଁମା<mark>ନେ ହି</mark>ତାଧିକାରୀ ଅଟନ୍ତି?
- A) ଦାରିଦ୍ର ସୀମାରେଖା ତଳେ ଥିବା ଲୋକମାନେ
- B) ଭୂମିହୀନ କୃଷକ
- C) MNREGA କର୍ମୀ
- D) ମତ୍ୟାଜୀବୀ
- 2) In August 2021, who among the following wrestlers won a bronze medal for India under freestyle 65kg category at Tokyo Olympics?
- A) Sushil Kumar
- B) Bajrang Punia
- C) Vijendra Singh
- D) Yoheshwar Dutt
- 2) ଅଗଷ୍ଟ 2021 ରେ, ଟୋକିଓ ଅ<mark>ଲି</mark>ମ୍ପିକ୍ସରେ ଫ୍ରିଷ୍ଟାଇଲ୍ 65 କିଲୋଗ୍ରାମ ବର୍ଗରେ ଭାରତ ପାଇଁ ନିମ୍ନଲିଖିତ କୁଥିଯୋଦ୍ଧା ମାନଙ୍କ ମଧ୍ୟରୁ କିଏ ବ୍ରୋଞ୍ଜ ପଦକ ଜିତିଥିଲେ?
- A) ସୁଶୀଲ କୁମାର
- B) ବଜରଙ୍ଗ ପୁନିଆ
- C) ବିଜୟନ୍ର ସିଂ
- D) ୟୋଗେଶ୍ୱର ଦଉ









- 3) Which scheme has been launched by the Govt. to protect elderly persons aged 60 years and above against a future fall in their interest income due to uncertain market conditions?
- A) Prime Minister Old Age Income Scheme
- B) Sardar Patel Old Age Pension Scheme
- C) Pradhan Mantri Vaya Vandana Yojana
- D) Shamaprasad Mukerjee Old Age Income Scheme
- 3) 60 ବର୍ଷ ଏବଂ ତଦୁର୍ଦ୍ଧ ବୟୟ ବୃଦ୍ଧଙ୍କୁ ଅନିଷ୍ଟିତ ବଜାର ଅବସ୍ଥା ହେତୁ ଭବିଷ୍ୟତରେ ସେମାନଙ୍କ ସୁଧ ଆୟର ହ୍ରାସରୁ ରକ୍ଷା କରିବା ପା<mark>ଇଁ କେଉଁ</mark> ଯୋଜନା ସରକାରଙ୍କ ଦ୍ୱାରା ଆରମ୍ଭ କରାଯାଇଛି।?
- A) ପ୍ରଧାନମନ୍ତ୍ରୀ ବୃଦ୍ଧାବସ୍ଥା ଆୟ ଯୋଜନା
- B) ସର୍ଦ୍ଦାର ପଟେଲ ବୃଦ୍ଧାବସ୍ଥା ପେନସନ ଯୋଜନା
- C) ପ୍ରଧାନମନ୍ତ୍ରୀ ଭୟ ଭନ୍ଦନା ଯୋଜନା
- D) ଶ୍ୟାମପ୍ରସାଦ ମୁଖାର୍ଚ୍ଚୀ ବୃଦ୍ଧାବସ୍ଥା ଆୟ ଯୋଜନା
- 4) Electric potential energy is measured in which of the following units?
- A) Ohm
- B) Volts
- C) Joule
- D) Ampere
- A) ଓମ
- B) ଭୋଲୁସ୍
- C) ଜୁଲ୍
- D) ଆମପିୟର୍
- 5) Which of the following options is the other name of the Northern Kalinga region of ancient India?
- A) Karnata
- B) Pataliputra
- C) Gondwana
- D) Utkala









- 5) ନିମ୍ବଲିଖିତ ବିକଳ୍ପଗୁଡ଼ିକ ମଧ୍ୟରୁ କେଉଁଟି ପ୍ରାଚୀନ ଭାରତର ଉତ୍ତର କଳିଙ୍ଗ ଅଞ୍ଚଳର ଅନ୍ୟ ନାମ ଅଟେ? A) କର୍ଣ୍ଣାଟ B) ପାଟଳିପୁତ୍ର C) ଗୋଣ୍ଡୱାନା D) ଉକୁଳ 6) Who among the following rulers embraced Buddhism after the famous Kalinga war? A) Ashoka B) Bindusara C) Chandragupta Maurya D) Pulakeshin II 6) ପ୍ରସିଦ୍ଧ କଳିଙ୍ଗ ଯୁଦ୍ଧ ପରେ ନିମ୍ନଲିଖିତ ଶାସକମାନଙ୍କ ମଧ୍ୟରୁ କିଏ ବୌଦ୍ଧ ଧର୍ମ ଗ୍ରହଣ କରିଥିଲେ? A) ଅଶୋକ B) ବିନ୍ଦୁସାର C) ଚନ୍ଦ୍ରଗୁପ୍ତ ମୌର୍ଯ୍ୟ D) ପୁଲକେଶିନ୍ ଦ୍ୱିତୀୟ 7) Which of the following lake is located in Russia?
  - A) Superior
  - B) Great Bear
  - C) Michigan
  - D) Baikal
  - 7) ନିମ୍ନଲିଖ୍ଡ ହ୍ରଦ ମଧ୍ୟରୁ କେଉଁଟି ରୁଷରେ ଅବସ୍ଥିତ?
  - A) ସୁପିରିୟର୍
  - B) ଗ୍ରେଟ୍ ବୀଅର୍
  - C) ମିଚିଗାନ୍
  - D) ବାଇକଲ









- 8) What type of Justice does the Preamble in the Constitution, promise to the people of India?
- A) Personal
- B) Social
- C) Procedural
- D) Regional
- 8) ସନ୍ଧିଧାନର ପ୍ରୱାବନା ଭାରତର ଜନସାଧାରଣଙ୍କୁ କେଉଁ ପ୍ରକାରର ନ୍ୟାୟର ପ୍ରତିଶୃତି ଦିଏ?
- A) ବ୍ୟକ୍ତିଗତ
- B) ସାମାଜିକ
- C) ପ୍ରକ୍ରିୟାଗତ
- D) ଆଞ୍ଚଳିକ
- 9) Which of the following statements is CORRECT with reference to Directive Principles?
- A) They are enforceable in the courts
- B) They can create any justiciable rights in favour of individuals
- C) They are fundamental to the governance of the country
- D) They can never be implemented by legislation
- 9) ନିମ୍ନଲିଖିତ ନୀତିଗୁଡିକ ମଧ୍ୟରୁ କେଉଁଟି ଡିରେକ୍ଟିଭ୍ ପ୍ରିନ୍ସିପଲ୍ ସନ୍ଦର୍ଭରେ ଠିକ୍ ଅଟେ?
- A) ସେଗୁଡିକ କୋର୍ଟରେ କାର୍ଯ୍ୟକାରୀ ହେବେ
- B) ସେମାନେ କୌଣସି ବ୍ୟକ୍ତି ସପକ୍ଷରେ ଯେକୌଣସି ଯଥାର୍ଥ ଅଧିକାର ସୃଷ୍ଟି କରିପାରିବେ
- C) ସେମାନେ ଦେଶର ଶାସନ ପାଇଁ ମୌଳିକ ଅଟନ୍ତି
- D) ସେଗୁଡିକ ଆଇନ ହ୍ୱାରା କେ<mark>ବ</mark>େହେଲେ କାର୍ଯ୍ୟକାରୀ ହୋଇପାରିବ ନାହିଁ
- 10) Which Union Territory has become the first in the country to integrate with National Single-Window System, a digital platform that helps investors get government approvals for projects?
- A) Chandigarh
- B) Andaman and Nicobar
- C) Jammu and Kashmir
- D) Lakshadweep









10) କେଉଁ କେନ୍ଦ୍ର ଶାସିତ ଅଞ୍ଚଳ ଦେଶର ପ୍ରଥମ ଜାତୀୟ ଏକକ-ୱିଣ୍ଡୋ ସିଷ୍ଟମ ସହିତ ଏକୀକୃତ ହୋଇପାରିଛି ଯାହାକି ଏକ ଡିଜିଟାଲ୍ ପ୍ଲାଟଫର୍ମ, ଯେଉଁଠାରେ ନିବେଶକମାନଙ୍କୁ ପ୍ରକଳ୍ପ ପାଇଁ ସରକାରୀ ଅନୁମୋଦନ ପାଇବାରେ ସାହାଯ୍ୟ ମିଳେ?

- A) ଚଣ୍ଡିଗଡ଼
- B) ଆଣ୍ଡାମାନ ଏବଂ ନିକୋବର
- C) ଜାନ୍ଧ କାଶ୍ମୀର
- D) ଲାକ୍ଷାଦୀପ
- 11) Good Governance Index 2021 was launched on 25 December 2021 by which of the following Union Ministers of India?
- A) Nitin Gadkari
- B) Amit Shah
- C) Dharmendra Pradhan
- D) Piyush Goyal
- 11) ଉତ୍ତମ ଶାସନ ପରିଚାଳନା ସ୍ତଚକାଙ୍କ ନିମ୍ନରେ ଦିଆଯାଇଥିବା ଭାରତର କେ<mark>ଉଁ କେନ୍ଦ୍ର ମନ୍ତୀଙ୍କ ହ</mark>ାରା 25 ଡିସେମ୍ବର 2021 ରେ ଆରୟ କରାଯାଇଥିଲା?
- A) ନିତିନ ଗଡକରୀ
- B) ଅମିତ ଶାହା
- C) ଧର୍ମେନ୍ଦ୍ର ପ୍ରଧାନ
- D) ପୀୟୃଷ ଗୋୟଲ
- 12) Which was centrally sponsored scheme launched in 1995 for providing financial assistance to the elderly, widows, and people with disabilities?
- A) Special scheme for women and elderly people
- B) National Social Assistance scheme
- C) Bharat Social Scheme for widow and elderly people
- D) National Widow and Disabled Program









- 12) ବୃଦ୍ଧ, ବିଧବା ଏବଂ ଭିନ୍ନକ୍ଷମମାନଙ୍କୁ ଆର୍ଥିକ ସହାୟତା ଯୋଗାଇବା ପାଇଁ 1995 ମସିହାରେ କେଉଁ କେନ୍ଦ୍ରୀୟ ପ୍ରାୟୋଜିତ ଯୋଜନା ଆରୟ କରାଯାଇଥିଲା?
- A) ମହିଳା ଏବଂ ବୃଦ୍ଧମାନଙ୍କ ପାଇଁ ସ୍ୱତନ୍ତ ଯୋଜନା
- B) ଜାତୀୟ ସାମାଜିକ ସହାୟତା ଯୋଜନା
- C) ବିଧବା ଏବଂ ବୃଦ୍ଧମାନଙ୍କ ପାଇଁ ଭାରତ ସାମାଜିକ ଯୋଜନା
- D) ଜାତୀୟ ବିଧବା ଏବଂ ଅକ୍ଷମ କାର୍ଯ୍ୟକ୍ମ
- 13) Identify the INCORRECT statement with reference to the chemical element Mercury.
- A) It is the metal which is found in liquid state at room temperature
- B) It is also known as quick silver
- C) It is used in thermometers
- D) It is a chemical element with symbol Ag
- 13) ରାସାୟନିକ ଉପାଦାନ ପାରଦ ସନ୍ଦର୍ଭରେ ଭୁଲ ଉକ୍ତିଟିକୁ ଚିହ୍ନଟ କରନ୍ତୁ?
- A) ଏହା ହେଉଚ୍ଚି ଏକ ଧାତୁ ଯାହା କୋଠରୀ ତାପମାତ୍ରାରେ <mark>ତର</mark>ଳ ଅବ<mark>ସ୍ଥାରେ ମିଳିଥା</mark>ଏ
- B) ଏହା ଦ୍ରତ ରୂପା ଭାବରେ ମଧ୍ୟ ଜଣାଶୁଣା
- C) ଏହା ଥର୍ମୋମିଟରରେ ବ୍ୟବହୃତ ହୁଏ
- D) ଏହା ଏକ ରାସାୟନିକ ଉପାଦାନ ଯାହାର ପ୍ରତୀକ Ag
- 14) Chandihara Yayati II who started the construction of the famous Lingaraja temple in Bhubaneshwar, belonged to which of the following dynasties?
- A) Ganga
- B) Somavamsi
- C) Sailodbhava
- D) Gupta
- 14) ଚର୍ଷିହାର ଯଯାତି ହ୍ୱିତୀୟ, ଯିଏ ଭୁବନେଶ୍ୱରରେ ପ୍ରସିଦ୍ଧ ଲିଙ୍ଗରାଜ ମନ୍ଦିର ନିର୍ମାଣ ଆରୟ କରିଥିଲେ, ନିମ୍ନଲିଖିତ କେଉଁ ରାଜବଂଶର ଥିଲେ?
- A) ଗଙ୍ଗ
- B) ସୋମାଭାମସି
- C) ସୈଳୋଲ୍ବବ
- D) ଗୁପ୍ତ









- 15) Which of the following statements is/are True?
- A. There are 204 islands in the Bay of Bengal called the Andaman and Nicobar Islands
- B. There are 56 islands in the Arabian Sea called as Lakshadweep islands
- A) Statement A is True, and B is False
- B) Statement A is False, and B is True
- C) Both the statements A and B are False
- D) Both the statements A and B are True
- 15) ନିମ୍ନଲିଖିତ ଉକ୍ତି ଗୁଡ଼ିକ ମଧ୍ୟରୁ କେଉଁଟି ସତ୍ୟ ଅଟେ?
- A. ବଙ୍ଗୋପସାଗରରେ 204 ଟି ଦ୍ୱୀପ ଅଛି ଯାହାକୁ ଆଣ୍ଡାମାନ ଏବଂ ନିକୋବର ଦ୍ୱୀପପୁଞ୍ଜ କୁହାଯାଏ।
- B. ଆରବ ସାଗରରେ 56 ଟି ଦ୍ୱୀପ ଅଛି ଯାହାକୁ ଲାକ୍ଷାଦୀପ କୁହାଯାଏ।
- A) ଉକ୍ତି A ସତ, ଏବଂ B ମିଥ୍ୟା ଅଟେ।
- B) ଉକ୍ତି A ମିଥ୍ୟା, ଏବଂ B ସତ ଅଟେ
- C) ଉଭୟ ଉକ୍ତି A ଏବଂ B ମିଥ୍ୟା ଅଟେ
- D) ଉଭୟ ଉକ୍ତି A ଏବଂ B ସତ୍ୟ ଅଟେ









#### Section 2 - Paper I Reasoning Ability

No. of Questions: 10

- 16) If the cost of 17 toys is ₹ 272, then what would be the cost of a dozen of toys?
- A) ₹ 144
- B) ₹ 192
- C) ₹ 204
- D) ₹ 272
- 16) ଯଦି 17 ଟି ଖେଳନାର ମୂଲ୍ୟ ହେଉଛି ₹ 272, ତେବେ ଏକ ଡର୍ଚ୍ଚନ ଖେଳନାର ମୂଲ୍ୟ କେତେ ହେବ?
- A) ₹ 144
- B) ₹ 192
- C) ₹ 204
- D) ₹ 272
- 17) For an admission to a diploma programme, the following criteria is seen.
- 1. The candidate must have 60% and above in 10th board exam.
- 2. The candidate must have 60% and above in each of the subject Maths, Physics and Chemistry.
- 3. The candidate must have 70% and above in Maths Physics and Chemistry put together.
- 4. The candidate must have been born between July 1998 July 2000.

If all conditions are satisfied except 4, the candidate must get age relaxation certificate from the district educational officer.

obtained.

If all conditions are satisfied but if the grades were awarded then a equivalent conversion certificate must be

Ram Kumar has cleared his 10th board exam with 82% overall and has 85% and above in all subjects except Mathematics.

What decision can be taken about his candidature?

- A) Selected
- B) Rejected
- C) Data insufficient
- D) Needs to obtain grade conversion certificate









- 17) ଡିପ୍ଲୋମା ପାଠ୍ୟକ୍ରମରେ ଦାଖଲ ପାଇଁ ନିମ୍ନରେ ଦିଆଯାଇଥିବା ମାନଦଶ୍ଚଗୁଡ଼ିକ ଦେଖାଯାଇଥାଏ।
- 1.ପ୍ରାର୍ଥୀ 10ମ ବୋର୍ଡ ପରୀକ୍ଷାରେ 60% ଏବଂ ଅଧିକ ନମ୍ବର ରଖିଥିବା ଆବଶ୍ୟକ।
- 2.ପ୍ରାର୍ଥୀ ଅଙ୍କ, ପଦାର୍ଥ ବିଜ୍ଞାନ ଏବଂ ରସାୟନ ବିଜ୍ଞାନ ପ୍ରତ୍ୟେକ ବିଷୟରେ 60% ଏବଂ ଅଧିକ ନମ୍ବର ରଖିଥିବା ଆବଶ୍ୟକ।
- 3.ପ୍ରାର୍ଥୀ ଅଙ୍କ, ପଦାର୍ଥ ବିଜ୍ଞାନ ଏବଂ ରସାୟନ ବିଜ୍ଞାନରେ ମିଳିତ ଭାବରେ 70% ଏବଂ ଅଧିକ ନମ୍ବର ରଖିଥିବା ଆବଶ୍ୟକ।
- 4.ଏହି ପ୍ରାର୍ଥୀ ଜୁଲାଇ 1998 ଜୁଲାଇ 2000 ମଧ୍ୟରେ ଜନ୍ମ ହୋଇଥିବା ଆବଶ୍ୟକ।

ଯଦି 4 ବ୍ୟତୀତ ସମୟ ସର୍ତ୍ତ ପୂରଣ ହେଉଥାଏ, ତେବେ ଏହି ପ୍ରାର୍ଥୀ ଜିଲ୍ଲା ଶିକ୍ଷା ଅଧିକାରୀଙ୍କଠାରୁ ବୟସ କୋହଳ ସାର୍ଟିଫିକେଟ୍ ଆଣିବା ଆବଶ୍ୟକ। ଯଦି ସମୟ ସର୍ତ୍ତ ପୂରଣ ହୋଇଥାଏ ଏବଂ ଗ୍ରେଡଗୁଡ଼ିକ ଦିଆଯାଇଥାଏ ତେବେ ସମତୁଲ୍ୟ ରୂପାନ୍ତରଣ ସାର୍ଟିଫିକେଟ୍ ହାସଲ କରାଯିବା ଆବଶ୍ୟକ। ରାମ କୁମାର ସାମଗ୍ରୀକ ଭାବରେ 82% ନମ୍ବର ରଖି ଦଶମ ବୋର୍ଡ ପରୀକ୍ଷା ଉତ୍ତୀର୍ଷ୍ଣ ହୋଇଛନ୍ତି ଏବଂ କେବଳ ଅଙ୍କ ବ୍ୟତୀତ ସବୁ ବିଷୟରେ 85% ଏବଂ ଅଧିକ ନମ୍ବର ରଖିଛନ୍ତି।

ତାଙ୍କର ପ୍ରାର୍ଥୀତ୍ୱ ବିଷୟରେ କ'ଣ ନିଷ୍ପଭି ନିଆଯାଇପାରିବ?

- A) ଚୟନ କରାଯିବ
- B) ପୃତ୍ୟାଖ୍ୟାନ କରାଯିବ
- C) ତଥ୍ୟ ଯଥେଷ୍ଟ ନୁହେଁ
- D) ଗ୍ରେଡ୍ ରୂପାନ୍ତରଣ ସାର୍ଟିଫିକେଟ୍ ହାସଲ କରିବା ଆବଶ୍ୟକ।
- 18) The next number in this sequence is 4, 10, 18, 28,
- A) 40
- B) 42
- C) 35
- D) 29
- 18) ଏହି କ୍ରମର ପରବର୍ତ୍ତୀ ସଂଖ୍ୟାଟି ହେଉଛି -
- 4, 10, 18, 28, \_\_\_\_
- A) 40
- B) 42
- C) 35
- D) 29



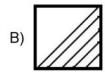


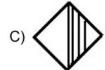


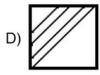


19) . Which is the odd one out among the four?



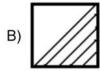






19) ଏହି ଚାରୋଟି ମଧ୍ୟରୁ କେଉଁଟି ଭିନ୍ନ ଅଟେ?









- 20) . Which is the odd one out among the four?
- A) Pistol
- B) Sword
- C) Gun
- D) Rifle











20) ଏହି ଚାରୋଟି ମ	ାଧ୍ୟରୁ କେଉଁଟି ଭିନ୍ନ ଅଟେ <b>?</b>
A) ପିୟଲ	
B) ତରବାରୀ	
C) ବନ୍ଧୁକ	
D) ରାଇଫଲ୍	
	is fast as B in doing a job that can be completed in 24 days if A and B work together. How A take to complete the job alone?
A) 24 days	
B) 36 days	
C) 72 days	
D) 96 days	
ହୋଇପାରିବା ଡେବେ A) 24 ଦିନ B) 36 ଦିନ C) 72 ଦିନ D) 96 ଦିନ	ନୁ B ତୁଳନାରେ A ଦୁଇଗୁଣ ଶୀଘ୍ର କରିଥାନ୍ତି, ଯାହାକି ଯଦି A ଏବଂ B ମିଳିତ ଭାବରେ କାର୍ଯ୍ୟ କରନ୍ତି 24 ଦିନରେ ଶେଷ ଏକୁଟିଆ A କୁ କାର୍ଯ୍ୟ ସମ୍ପୂର୍ଣ୍ଣ କରିବା ପାଇଁ କେତେ ଦିନ ଲାଗିବ?
22) If 6 men ge A) ₹ 4,260 B) ₹ 5,490 C) ₹ 6,720 D) ₹ 7,470	t ₹ 2,100 in 15 days as wages, how much would be given to 12 men for 24 days as wages



B) ₹ 5,490

C) ₹ 6,720

D) ₹ 7,470









#### 23) Study the following information carefully and answer the question that follows:

A Research Institute is recruiting a librarian to digitize its information resources, among other duties. Candidates must possess the following criteria. The candidate must

- I) be not less than 35 years and not exceed 40 years as on 01.11.2009.
- II) have Bachelor's Degree in Library and information Science with 65% marks.
- III) have PhD in Library Science.
- IV) have post qualification experience of at least 4 years in a University Library.

However, If the candidate fulfils the above mentioned criteria except

- A) (II), but has a UGC NET certification with all other above criteria fulfilled, he/she may be referred to the Dean.
- B) (IV), but all the eligibility criteria are met and candidate has at least one years experience in a research institute, he/she may be offered contractual appointment for a year.

Based on the above criteria, study carefully whether the following candidates are eligible for the recruitment process and mark your answer as follows. You are not to assume anything other than the information provided in each question. All cases are given to you as on 1/1/2009.

Mark Answer (1) If he/she is to be shortlisted.

Mark Answer (2) If he/she is not to be shortlisted.

Mark Answer (3) If he/she should be referred to the Dean.

Mark Answer (4) If he/she may be offered contractual appointment if required.

Anil Rathi has a doctorate in Library science from Karnataka University in 2003. Born on July 21, 1967, he graduated in Library and Information Science from Karnataka University, where he has been Assistant Librarian for Four years since 2005.

- A) 1
- B) 2
- C) 3
- D) 4
- 23) ନିମ୍ନରେ ଦିଆଯାଇଥିବା ସ୍ଚନା ଧାନପ୍<del>ରବିକ</del> ଅଧ୍ୟୟ<mark>ନ କ</mark>ରନ୍ତ ଏବଂ ତାହା ତଳେ ଦିଆଯାଇଥବା ପ୍ରଶ୍ୱର ଭଉର ଦିଅନ୍ତ :

ଏକ ଗବେଷଣା ପ୍ରତିଷାନ ଏହାର ସ୍<mark>ୱଚନା ଉହଗୁଡ଼ିକୁ ଡିଜିଟାଇଜ୍ କରିବା ସହିତ ଅନ୍ୟାନ୍ୟ କାର୍ଯ୍ୟ ପାଇଁ ଜଣେ ଲାଇବେରିଆନ୍ ନିଯୁକ୍ତ କରୁଛନ୍ତି। ପାର୍ଥୀମାନେ</mark> ନିମ୍ନଲିଖିତ ମାନ୍<mark>ରଦଣ</mark> ପର<mark>ଣ</mark> କ<mark>ରୁଥିବା ଆବଶ୍ୟକ।</mark> ପ୍ରାର୍ଥୀ ହୋଇଥିବା ଆବଶ୍ୟକ

- ।) 01.11.2009 ସୁଦ୍ଧା ବୟସ ଅତିକମ୍ରେ 35 ବର୍ଷ ରୁ କମ୍ ହୋଇନଥିବ ଏବଂ 40 ବର୍ଷରୁ ଅଧିକ ହୋଇନଥିବ।
- II) ଲାଇବ୍ରେରୀ ଏ<mark>ବଂ ଇନଫ</mark>ର୍ମେସନ୍ ସାଇନ୍ସରେ 65% ନମ୍ବର ସହିତ ସ୍ନାତକ ଡିଗ୍ରୀ ଥିବ।
- III) ଲାଇବେରୀ ସାଇନ୍ସରେ ପିଏଚଡି କରିଥିବେ।
- IV) ଯୋଗ୍ୟତା ହାସଲ ପରେ ଅତିକମ୍ବରେ ଏକ ବିଶ୍ୱବିଦ୍ୟାଳୟ ଲାଇବେରୀରେ 4 ବର୍ଷର ଅଭିଜ୍ଞତା ରହିଥିବ ।

ଅବଶ୍ୟ ଯଦି ପ୍ରାର୍ଥୀ ଉପର ବର୍ତ୍ତିତ ମାନଦଣ୍ଠଗୁଡ଼ିକ ପରଣ କରନ୍ତି,

- A) ଉପରୋକ୍ତ (II) ବ୍ୟତୀତ, କିନ୍ତୁ ତାଙ୍କର ଅନ୍ୟ ସମୟ ଉପରୋକ୍ତ ମାନଦଣ୍ଡ ପୂରଣ ହେବା ସହିତ ୟୁଜିସି ନେଟ୍ ସାର୍ଟିଫିକେଟ୍ ରହିଛି, ତାଙ୍କୁ ଡିନଙ୍କ ନିକଟକ୍ର ପଠାଯାଇପାରିବ।
- B) ଉପରୋକ୍ତ (IV) ବ୍ୟତୀତ, କିନ୍ତୁ ସମୟ ଯୋଗ୍ୟତା ମାନଦଣ୍ଡ ପ୍ରଣ ହୋଇଛି ଏବଂ ପାର୍ଥୀଙ୍କର ଗବେଷଣା ପ୍ରତିଷାନରେ ଅତିକମ୍ବରେ 1 ବର୍ଷର ଅଭିଜ୍ଞତା









ରହିଛି, ତାଙ୍କୁ ଏକ ବର୍ଷ ପାଇଁ ଠିକାରେ ନିଯୁକ୍ତି ଦିଆଯାଇପାରେ।

ଉପରୋକ୍ତ ମାନଦଣ୍ଡ ଆଧାରରେ, ଯତ୍ତପୂର୍ବକ ବିଚାର କରନ୍ତୁ ଯେ ନିମ୍ନଲିଖିତ ପ୍ରାର୍ଥୀ ନିଯୁକ୍ତି ପ୍ରକ୍ରିୟା ପାଇଁ ଯୋଗ୍ୟ କି ନା ଏବଂ ନିମ୍ନରେ ଦିଆଯାଇଥିବା ଅନୁଯାୟୀ ଆପଣଙ୍କ ଉତ୍ତର ଚିହ୍ନିତ କରନ୍ତୁ। ଆପଣଙ୍କୁ ପ୍ରତିଟି ପ୍ରଶ୍ମରେ ଦିଆଯାଇଥିବା ସୂଚନା ବ୍ୟତୀତ ଅନ୍ୟ କୌଣସି ବିଷୟ ଧରି ନେବାକୁ କିମ୍ବା ଅନୁମାନ ଲଗାଇବାକୁ ହେବ ନାହିଁ। ଏ ସମୟ୍ତ ଘଟଣା ଆପଣଙ୍କୁ 1/1/2009 ଅନୁଯାୟୀ ଦିଆଯାଇଛି।

ଯଦି ସେ ବଛାବଛି ତାଲିକାଭୁକ୍ତ ହେବେ ତେବେ ଉତ୍ତର (1) ଚିହ୍ନିତ କରନ୍ତୁ । ଯଦି ସେ ବଛାବଛି ତାଲିକାଭୁକ୍ତ ହେବେ ନାହିଁ ତେବେ ଉତ୍ତର (2)ଚିହ୍ନିତ କରନ୍ତୁ । ଯଦି ତାଙ୍କୁ ଡିନଙ୍କ ପାଖକୁ ପଠାଯିବା ଉଚିତ୍ ତେବେ ଉତ୍ତର (3)ଚିହ୍ନିତ କରନ୍ତୁ । ଯଦି ଆବଶ୍ୟକ ହୁଏ ତାଙ୍କୁ ଠିକାରେ ନିଯୁକ୍ତି ଦିଆଯାଇପାରେ ତେବେ ଉତ୍ତର (4)ଚିହ୍ନିତ କରନ୍ତୁ ।

ଅନିଲ୍ ରଥୀ କର୍ଣ୍ଣାଟକ ବିଶ୍ୱବିଦ୍ୟାଳୟରୁ 2003 ମସିହାରେ ଲାଇବ୍ରେରୀ ସାଇନ୍ସରେ ଡକ୍ଟରେଟ୍ କରିଛନ୍ତି। ସେ ଜୁଲାଇ 21 ତାରିଖ, 1967ରେ ଜନ୍ମଗ୍ରହଣ କରିଛନ୍ତି, କର୍ଣ୍ଣାଟକ ୟୁନିଭର୍ସିଟିରୁ ଲାଇବ୍ରେରୀ ଆଣ୍ଟ ଇନଫର୍ମେସନ୍ ସାଇନ୍ସରେ ସ୍ନାତକ ଲାଭ କରିଛନ୍ତି ଯେତେବେଳେ କି ସେ 2005 ମସିହାରୁ 4 ବର୍ଷ ଧରି ଆସିଷ୍ଟାଣ୍ଟ ଲାଇବ୍ରେରିଆନ୍ ଭାବରେ କାମ କରୁଛନ୍ତି।

- A) 1
- B) 2
- C) 3
- D) 4
- 24) Complete the series:
- 13, 16, 38, ?, 504, 2535
- A) 120
- B) 123
- C) 122
- D) 121
- 24) ନିମ୍ନଲିଖ୍ତ ସିରିଜ୍ କୁ ସମ୍ପର୍ଣ୍ଣ କରନ୍ତୁ :
- 13, 16, 38, ?, 504, 2535
- A) 120
- B) 123
- C) 122
- D) 121

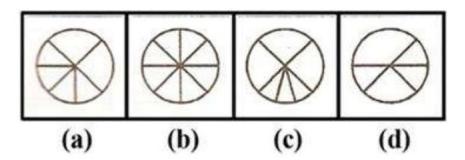






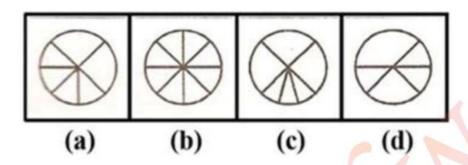


# 25) Which is the odd one out among the four?



- A) a
- B) b
- C) c
- D) d

# 25) ଏହି ଚାରୋଟି ମଧ୍ୟରୁ କେଉଁଟି ଭିନ୍ନ?



- A) a
- B) b
- C) c
- D) d







### Section 3 - Paper I Computer Literacy

- 26) Which of the following key should be used to begin a new paragraph in word documents?
- A) Shift
- B) Ctrl+Shift
- C) Shift+Alt
- D) Enter
- 26) ୱାର୍ଡ ଡକ୍ୟୁମେୟରେ ଏକ ନୂତନ ଅନୁଚ୍ଛେଦ ଆରୟ କରିବାକୁ ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁ KEY ବ୍ୟବହାର କରାଯିବା ଉଚିତ୍?
- A) Shift
- B) Ctrl+Shift
- C) Shift+Alt
- D) Enter
- 27) Which is not a hardware?
- A) Operating system
- B) CPU
- C) Keyboard
- D) Hard disk
- 27) କେଉଁଟି ହାର୍ଡୱେୟାର୍ ନୁହେଁ?
- A) ଅପରେଟିଂ ସିଷ୍ଟମ୍
- B) CPU
- C) କୀ ବୋର୍ଡ୍
- D) ହାର୍ଡ ଡିସ୍କ
- 28) In which of the following areas can computers be used?
- **I.Business**
- II. Banking
- III. Education
- IV. Health Care
- A) I, II and III only











- B) II, III and IV only
- C) I, III and IV only
- D) I, II, III and IV
- 28) ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁ କ୍ଷେତ୍ରଗୁଡିକରେ କମ୍ପ୍ୟୁଟର ବ୍ୟବହାର କରାଯାଇପାରିବ?
- I.ବିଜିନେସ୍
- II. ବ୍ୟାଙ୍କିଂ
- III. ଶିକ୍ଷା
- IV. ସ୍ୱାସ୍ଥ୍ୟ ସେବା
- A) କେବଳ I, II ଏବଂ III
- B) କେବଳ II, III ଏବଂ IV
- C) କେବଳ I, III ଏବଂ IV
- D) ା, ॥, Ⅲ ଏବଂ Ⅳ
- 29) It is system software that manages computer hardware and software resources and provides common services for computer programs is known as
- A) Peripheral Device
- B) HANs
- C) Operating System
- D) LANs
- 29) ଏହା ଏକ ସିଷ୍ଟମ୍ ସଫ୍ଟୱେୟାର୍, ଯାହା କମ୍ପ୍ୟୁଟର ହାର୍ଡୱେୟାର୍ ଏବଂ ସଫ୍ଟୱେୟାର୍ ଗୁଡିକୁ ପରିଚାଳନା କରେ ଏବଂ କମ୍ପ୍ୟୁଟର ପ୍ରୋଗ୍ରାମ୍ ପାଇଁ ସାଧାରଣ ସେବା ପ୍ରଦାନ କରେ, ତାହା କଣ ଭାବେ ଜଣାଶୁଣା?
- A) ପେରିଫେରାଲ୍ ଡିଭାଇସ୍
- B) HANs
- C) ଅପରେଟିଂ ସିଷ୍ଟମ
- D) LANs
- 30) Which of the following is not a product of Google?
- A) Duo
- B) Meet
- C) Hangouts
- D) Teams









- 30) ନିମ୍ନଲିଖ୍ତ ମଧ୍ୟରୁ କେଉଁଟି Google ର ଉତ୍ପାଦ ନୁହେଁ?
- A) Duo
- B) Meet
- C) Hangouts
- D) Teams
- 31) Which of the following is the CORRECT extension for PowerPoint show?
- A) .ppt
- B) .pps
- C) .pot
- D) .png
- 31) PowerPoint Show ପାଇଁ ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି ସଠିକ୍ ବିୟାର(ଏକ୍ସଟେନ୍ସନ) ଅଟେ?
- A) .ppt
- B) .pps
- C) .pot
- D) .png
- 32) Which of the following can't be connected through a USB Port?
- A) External Hard Disk
- B) Pen Drive
- C) Graphic Card
- D) Gaming Joystick
- 32) ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି ଏକ ୟୁଏସବି ପୋର୍ଟ ମାଧ୍ୟମରେ ସଂଯୋଜିତ ହୋଇପାରିବ ନାହିଁ?
- A) ଏକ୍କୁର୍ନାଲ୍ ହାର୍ଡ ଡିୟ
- B) ପେନ୍ ଡ୍ରାଇଭ୍
- C) ଗ୍ରାଫିକ୍ କାର୍ଡ୍
- D) ଗେମିଂ ଜୟଷ୍ଟିକ୍
- 33) What does "http" stand for?
- A) hypertext twisted pair
- B) hypertext transfer protocol
- C) Hyperlink transfer placard
- D) Hyperlink transfer protocol









- 33) " http " ର ଫୁଲଫର୍ମ କଣ?
- A) hypertext twisted pair
- B) hypertext transfer protocol
- C) Hyperlink transfer placard
- D) Hyperlink transfer protocol
- 34) Which among the following is an identity platform, that is one of the key pillars of 'Digital India', wherein every resident of the country is provided with a unique number based on their biometric based identity?
- A) UAN
- B) Aadhar
- C) PAN
- D) Passport
- 34) ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି ହେଉଛି ଏକ ପରିଚୟ ପ୍ଲାଟଫର୍ମ, ଯାହା ହେଉଛି 'ଡିଜିଟାଲ୍ ଇଣ୍ଡିଆ ର ଏକ ପ୍ରମୁଖ ୟୟ, ଯେଉଁଥିରେ ଦେଶର ପ୍ରତ୍ୟେକ ବାସିନ୍ଦାଙ୍କୁ ସେମାନଙ୍କର ବାୟୋମେଟ୍ରିକ୍ ଆଧାରିତ ପରିଚୟକୁ ଉପଯୋଗ କରି ଏକ ଅ<mark>ନ</mark>ନ୍ୟ ସଂ<mark>ଖ୍ୟା</mark> ପ୍ରଦାନ କରାଯାଏ?
- A) UAN
- B) Aadhar
- C) PAN
- D) Passport
- 35) What do you call a software application that is used to view Web pages?
- A) Web browser
- B) Search Engine
- C) The Internet
- D) Mail Client
- 35) ୱେବ୍ ପେଳ୍କ ଭ୍ୟୁ କରିବାକୁ ବ୍ୟବହୃତ ହେଉଥିବା ସଫ୍ଟୱେୟାର୍ ଆପ୍ଲିକେସନ୍ କୁ କଣ କୁହନ୍ତି?
- A) ୱେବ୍ ବାଉଜର
- B) ସର୍ଚ୍ଚ ଇଞ୍ଜିନ୍
- C) ଇଣ୍ଟରନେଟ୍
- D) ମେଲ୍ କ୍ଲାଏନ୍ଟ









## Section 4 - Paper I Pedagogy and Evaluation

- 36) Since classroom normally means a group the teacher adopts
- A) learner centered approach
- B) group centered approach
- C) individual centered approach
- D) organization centered approach
- 36) ଶ୍ରେଣୀଗୂହର ଅର୍ଥ ସାଧାରଣତଃ ଏକ ଗୋଷୀ, ଯେଉଁଥିରେ ଶିକ୍ଷକ ଏହି ଆଭିମୁଖ୍ୟ ଗ୍ରହଣ କରତି
- A) ଶିକ୍ଷାର୍ଥୀ କୈନ୍ଦିକ ଆଭିମୁଖ୍ୟ
- B) ଗୋଷୀ କୈନ୍ଦିକ ଆଭିମୁଖ୍ୟ
- C) ବ୍ୟକ୍ତିଗତ କୈନ୍ଦ୍ରିକ ଆଭିମୁଖ୍ୟ
- D) ସଂଗଠନ କୈନ୍ଦ୍ରିକ ଆଭିମୁଖ୍ୟ
- 37) Where the size of the classroom is more, the method of teaching is likely to be
- A) Lecture
- B) Discussion
- C) Projects
- D) Seminars
- 37) ଯେଉଁଠାରେ ଶ୍ରେଣୀଗୂହର ଆକାର ଅଧିକ, ସେଠା<mark>ରେ</mark> ଶିକ୍ଷାଦାନ ପ୍ରଣାଳୀ କିପରି ହେବାର ସନ୍ତାବନା ଅଛି?
- A) ବଲ୍ତୃତା
- B) ଆଲୋଚନା
- C) ପ୍ରକଳ୍ପ
- D) ସେମିନାର
- 38) Standardized tests are conducted
- A) to compare and rank test takers in relation to one another
- B) to determine local standards
- C) to measure only emotional disabilities
- D) to examine only written ability









- 38) ମାନକ ପରୀକ୍ଷଣ କାହିଁକି କରାଯାଏ?
- A) ପରସ୍କର ମଧ୍ୟରେ ପରୀକ୍ଷାର୍ଥୀମାନଙ୍କୁ ତୁଳନା ଏବଂ ରାଙ୍କ୍ କରିବାକୁ
- B) ସ୍ଥାନୀୟ ମାନ ନିର୍ଣ୍ଣୟ କରିବାକ୍ର
- C) କେବଳ ସଂବେଗାତ୍ପକ ଅକ୍ଷମତା ମାପିବାକୁ
- D) କେବଳ ଲିଖିତ ଦକ୍ଷତା ପରୀକ୍ଷା କରିବାକୁ
- 39) AAL stands for
- A) Assessment for learning
- B) Assessment as Learning
- C) Assessment of learners
- D) Assesment of learning
- 39) AAL ର ବିୟାର ରୂପ ହେଉଛି -
- A) ଆସେସମେଣ୍ଟ ଫର୍ ଲର୍ନିଙ୍ଗ
- B) ଆସେସମେଣ୍ଟ ଆଜ୍ ଲର୍ନିଙ୍ଗ
- C) ଆସେସମେଣ୍ଟ ଅଫ୍ ଲର୍ନର୍ଷ
- D) ଆସେସମେଣ୍ଟ ଅଫ୍ ଲର୍ନିଙ୍ଗ
- 40) Although ICT and multimedia are very good resources of learning but teachers use it in a limited way because it is
- A) a costly affair
- B) less engaging for children
- C) leading to reduction in attendance percentage.
- D) hampering mode of communication
- 40) ଯ<mark>ଦିଓ ICT ଏବଂ ମଲ୍ଟିମିଡିଆ</mark> ଶିକ୍ଷାର ବହୁତ ଭଲ ଉସ କିନ୍ତୁ ଶିକ୍ଷକମାନେ ଏହାକୁ ସୀମିତ ଉପାୟରେ ବ୍ୟବହାର କରନ୍ତି କାରଣ ଏହା ହେଉଛି -
- A) ବ୍ୟୟ ସାପେକ୍ଷ
- B) ପିଲାମାନଙ୍କୁ କମ୍ ବ୍ୟୟ ରଖେ
- C) ଉପସ୍ଥାନ ଶତକଡାକୁ ହ୍ରାସ କରିଥାଏ
- D) ଯୋଗାଯୋଗରେ ବାଧା ସୃଷ୍ଟି କରେ









- 41) Which of the following test is used to identify the learning difficulties of learners?
- A) Portfolio Test
- B) Stressful Test
- C) Diagnostic Test
- D) Probable Test
- 41) ଶିକ୍ଷାର୍ଥୀମାନଙ୍କର ଶିକ୍ଷଣ ଅସୁବିଧାକୁ ଚିହ୍ନିବା ପାଇଁ ନିମ୍ନଲିଖିତ ପରୀକ୍ଷଣ ମଧ୍ୟରୁ କେଉଁଟି ବ୍ୟବହୃତ ହୁଏ?
- A) ପୋର୍ଟଫୋଲିଓ ପରୀକ୍ଷଣ
- B) ଚାପଗ୍ରୟ ପରୀକ୍ଷଣ
- C) ନୈଦାନିକ ପରୀକ୍ଷଣ
- D) ସନ୍ତାବ୍ୟ ପରୀକ୍ଷଣ
- 42) All of the following increase the effectiveness of teaching EXCEPT:
- A) A teacher's voice
- B) A teacher's gestures
- C) A teacher's anger
- D) A teacher's appealing personality
- 42) ନିମ୍ନଲିଖ୍ଡ ମଧ୍ୟରୁ **କେଉଁଟି ବ୍ୟତୀତ** ବାକି ସମୟ ଶିକ୍ଷାଦାନର କାର୍ଯ୍ୟକାରିତାକୁ ବଢାଇ ଥାଆନ୍ତି?
- A) ଶିକ୍ଷକ ଜଣଙ୍କ ସ୍ୱର
- B) ଶିକ୍ଷକ ଜଣଙ୍କ ଅଙ୍ଗଭଙ୍ଗୀ
- C) ଶିକ୍ଷକ ଜଣଙ୍କ କ୍ରୋଧ
- D) ଶିକ୍ଷକ ଜଣଙ୍କର ଆକର୍ଷଣୀୟ ବ୍ୟକ୍ତିତ୍ୱ
- 43) In a classroom praise, blames, grades, are reinforcers to
- A) motivate students
- B) annoy students
- C) control students
- D) scare students









- 43) ଏକ ଶ୍ରେଣୀଗୃହରେ ପ୍ରଶଂସା, ଦୋଷ, ଗ୍ରେଡ୍ ନିମ୍ନଲିଖିତକୁ ଦୃଢୀକରଣ କରେ
- A) ଛାତ୍ରମାନଙ୍କୁ ଉସାହିତ କରିବାରେ
- B) ଛାତ୍ରମାନଙ୍କୁ ବିରକ୍ତ କରିବାରେ
- C) ଛାତ୍ରମାନଙ୍କୁ ନିୟନ୍ତଣ କରିବାରେ
- D) ଛାତ୍ରମାନଙ୍କୁ ଭୟଭୀତ କରିବାରେ
- 44) When two or more than two students join together to achieve some specific objective in a class it involves
- A) individual teaching
- B) parental teaching
- C) biased teaching
- D) team teaching
- 44) ଯେତେବେଳେ ଦୁଇ କିମ୍ବା ଦୁଇରୁ ଅଧିକ ଛାତ୍ର ଏକ ଶ୍ରେଣୀରେ କିଛି ନିର୍ଦ୍ଦିଷ୍ଟ ଉଦ୍ଦେଶ୍ୟ ହାସଲ କରିବାକୁ ଏକତ୍ର ହୁଅନ୍ତି, ତେବେ ଏଥିରେ କ'ଣ ଅନ୍ତର୍ଭୁକ୍ତ ଅଟେ?
- A) ବ୍ୟକ୍ତିଗତ ଶିକ୍ଷାଦାନ
- B) ପିତାମାତାଙ୍କ ଶିକ୍ଷାଦାନ
- C) ପକ୍ଷପାତିତା ଶିକ୍ଷାଦାନ
- D) ଗୋଷ୍ଟୀଭିଉିକ ଶିକ୍ଷାଦାନ
- 45) Who said "A project is a wholehearted purposeful activityproceeding in a social environment"?
- A) W.H. Kilpatrick
- B) John Dewey
- C) Mahathma Gandhi
- D) Swami vivekananda
- 45) "ପ୍ରକଳ୍ପ ଏକ ହୃଦୟସ୍କର୍ଶୀ ଉଦ୍ଦେଶ୍ୟମୂଳକ କାର୍ଯ୍ୟକଳାପ, ଯେଉଁଟି ସାମାଜିକ ପରିବେଶରେ ଚାଲେ" କାହା ହ୍ୱାରା କୁହାଯାଇଥିଲା?
- A) ଡବ୍ଲ୍ୟୁ ଏଚ କିଲପାଟ୍ରିକ୍
- B) ଜନ ଡିୱି
- C) ମହାତ୍ମା ଗାନ୍ଧୀ
- D) ସ୍ଥାମୀ ବିବେକାନନ୍ଦ









- 46) Which of the following is TRUE according to constructivist prespective?
- A) Learners become passive participants
- B) Learners take care of teaching & learning
- C) Learners become engaged participants
- D) Learners dilute the learning process
- 46) ରଚନାବାଦୀ ଦୃଷ୍ଟିକୋଣ ଅନୁଯାୟୀ ନିମ୍ନଗୁଡିକ ମଧ୍ୟରୁ କେଉଁଟି ସଠିକ୍ ଅଟେ?
- A) ଶିକ୍ଷାର୍ଥୀମାନେ ନିଷ୍କ୍ରିୟ ଅଂଶଗ୍ରହଣକାରୀ ହୁଅନ୍ତି I
- B) ଶିକ୍ଷାର୍ଥୀମାନେ ଶିକ୍ଷାଦାନ ଏବଂ ଶିକ୍ଷଣର ଯଦ୍କ ନିଅନ୍ତି I
- C) ଶିକ୍ଷାର୍ଥୀମାନେ ନିୟୋଜିତ ଅଂଶଗ୍ରହଣକାରୀ ହୁଅନ୍ତି।
- D) ଶିକ୍ଷାର୍ଥୀମାନେ ଶିକ୍ଷଣ ପ୍ରକ୍ରିୟାକୁ ହ୍ରାସ କରନ୍ତି ।
- 47) Piaget suggested that there are four main stages in the cognitive development of the children. Out of that the first Stage, i.e. the sensory motor stage is for the age group
- A) 0-2 years
- B) 2-7 years
- C) 7-12 years
- D) 12 years and above
- 47) ପିଲାମାନଙ୍କର ଜ୍ଞାନଗତ ବିକାଶରେ ଚାରୋଟି ମୁଖ୍ୟ ପର୍ଯ୍ୟାୟ ଅଛି ବୋଲି ପିଆଜେ ପରାମର୍ଶ ଦେଇଛନ୍ତି। ସେଥିମଧ୍ୟରୁ ପ୍ରଥମ ପର୍ଯ୍ୟାୟ, ଯଥା -ସଂବେଦନାତ୍ମକ ଗତି (ସେନସୋରି ମୋଟର) ପର୍ଯ୍ୟାୟ <mark>ନିମ୍ମ</mark>ଲିଖିତ ବୟସ ଶ୍ରେଣୀ ପାଇଁ ଉଦ୍ଦିଷ୍ଟ
- A) 0-2 ବର୍ଷ
- B) 2-7 ବର୍ଷ
- C) 7-12 ବର୍ଷ
- D) 12 ବର୍ଷ ଏବଂ ତଦ୍ୱର୍ଦ୍ଧ
- 48) Which of the following is NOT a feature of Bruners theory of instruction?
- A) Structure of knowledge
- B) Predisposition to learn
- C) Effective sequencing
- D) Neglecting the details









- 48) ନିମ୍ନଲିଖ୍ଡ ମଧ୍ୟରୁ କେଉଁଟି ବ୍ରନର୍ସ ନିର୍ଦ୍ଦେଶର ଏକ ବୈଶିଷ୍ଟା ନୁହେଁ?
- A) ଜ୍ଞାନର ଗଠନ
- B) ଶିକ୍ଷଣର ପୂର୍ବପ୍ରବଣତା
- C) ପ୍ରଭାବଶାଳୀ କୁମ
- D) ସବିଶେଷ ଅବହେଳା
- 49) Which of the following statements about assessment is CORRECT?
- A) Assessment is equivalent and limited to evaluation.
- B) Assessment is integral component of learning
- C) Assessment is equivalent and limited to notebook checking.
- D) Assessment is equivalent and limited to daily remarks.
- 49) ନିର୍ଦ୍ଧାରଣ ବିଷୟରେ ନିମ୍ନଲିଖିତ ଉକ୍ତିଗୁଡ଼ିକ ମଧ୍ୟରୁ କେଉଁଟି ସଠିକ୍ ଅଟେ?
- A) ନିର୍ଦ୍ଧାରଣ ମୂଲ୍ୟାୟନ ସହିତ ସମତୃଲ୍ୟ ଏବଂ ସୀମିତ ଅଟେ।
- B) ନିର୍ଦ୍ଧାରଣ ଶିକ୍ଷଣର ଅବିଚ୍ଛେଦ୍ୟ ଉପାଦାନ ଅଟେ।
- C) ନିର୍ଦ୍ଧାରଣ ନୋଟବୁକ୍ ଯାଞ୍ଚର ସମତୂଲ୍ୟ ଏବଂ ସୀମିତ ଅଟେ।
- D) ନିର୍ଦ୍ଧାରଣ ଦୈନିକ ଟିସ୍ତଣୀର ସମତୂଲ୍ୟ ଏବଂ ସୀମିତ ଅଟେ।
- 50) 'childcentered-education' emphasises on
- 1) reach
- 2) touch
- 3) teach
- A) Only 1
- B) 2 and 3
- C) 1, 2 and 3
- D) Only 3









- 50) 'ଶିଶୁ-କୈନ୍ଦିକ-ଶିକ୍ଷା' ଗୁରୁତ୍ୱ ଦେଇଥାଏ
- 1) ପହଞ୍ଚିବା
- 2) ସର୍ଶ
- 3) ଶିକ୍ଷାଦାନ
- A) କେବଳ 1
- B) 2 ଏବଂ 3
- C) 1, 2 ଏବଂ 3
- D) କେବଳ 3









#### Section 5 - Paper II Physics

<ol><li>51) An electric wii</li></ol>	re of length 'l' and	I area of cross-sec	tion 'a' has a res	sistance R ohms.	Another wire of the
same material har	ving same length	and area of cross-	section '4a' has	a resistance of	

- A) 4R
- B) R/4
- C) 16R
- D) R/16
- 52) When the length and area of cross-section of a conductor are doubled, then its resistance will
- A) become half
- B) be doubled
- C) remain the same
- D) become four times
- 53) Lenz's law is consequence of the law of conservation of
- A) charge
- B) mass
- C) energy
- D) momentum
- 54) When the distance between two charged particles is halved, the force between them becomes
- A) One-fourth
- B) Half
- C) Double
- D) Four times
- 55) The mass of a satellite is  $7.34 \times 10^{22}$  kg and the radius is  $1.74 \times 10^6$  m. The value of gravitational force will be
- A) 1.75 N/kg
- B) 1.45 N/kg
- C) 1.55 N/kg
- D) 1.62 N/kg









- 56) The quantity which is a measure of the rotational inerta of the body and has been put to a great practical use in machines is
- A) Moment of Inertia
- B) Torque
- C) Acceleration
- D) Power
- 57) A friction comes into play when a body just begins to slide over the surface of another body and this maximum value of static friction is known as
- A) Limiting friction
- B) Angle of repose
- C) Rolling friction
- D) Sliding friction
- 58) The force which resists motion when the surface of an object comes into contact with the surface of another object is known as
- A) Kinetic Energy
- B) Friction
- C) Work
- D) Collision
- 59) If the angle of incidence of a ray of light in a denser medium is such that the angle of refraction in the rarer medium is 90°, then the corresponding angle of incidence in the denser medium is known as
- A) total internal reflection
- B) reflection
- C) critical angle
- D) refraction
- 60) Whatever be the position of the object, the lens which produces virtual and errect image is
- A) concave
- B) convex
- C) concavo-convex lens
- D) plano convex lens









- 61) Astronomical telescope which is used to view distant objects has two convex lens such that the focal length of the objective is
- A) equal to the focal length of the eyepiece
- B) greater than the focal length of the eyepiece
- C) shorter than the focal length of the eyepeice
- D) five times shorter than the focal length of the eyepiece
- 62) What is the Young's modulus of a perfectly rigid body?
- A) Zero
- B) Infinity
- C) One
- D) Finite
- 63) A wire stretched between two rigid supports vibrates in its fundamental mode with a frequency of 45 Hz. The mass of the wire is 3.5×10<sup>-2</sup> kg and its linear mass density is 4.0×10<sup>-2</sup> kgm<sup>-1</sup>. The tension in the string will be
- A) 230 N
- B) 248 N
- C) 224 N
- D) 221 N
- 64) Certain waves do not require a material medium for their propagation. Example of such a wave is
- A) radio waves
- B) sound waves
- C) water waves
- D) seismic waves
- 65) The sound waves whose frequency lies between 20 Hz to 20000 Hz are called
- A) infrasonic waves
- B) audible waves
- C) ultrasonic waves
- D) pressure waves









- 66) There are n similar conductors each of resistance R. The resultant resistance comes out to be 'x' when connected in parallel. If they are connected in series, the resultant resistance comes out to be
- A)  $x/n^2$
- B) n<sup>2</sup>x
- C) x/n
- D) nx
- 67) When a bar magnet falls through a long hollow metal cylinder fixed with its axis vertical, the final acceleration of the magnet is
- A) equal to zero
- B) less than gravitational acceleration (g)
- C) equal to gravitational acceleration (g)
- D) greater than gravitational acceleration ( g )
- 68) A beam contains 2 x 10<sup>8</sup> doubly charged positive ions per cubic centimeter, all of which are moving with a speed of 10<sup>5</sup> m/s. What is the current density?
- A) 6.4 A/m<sup>2</sup>
- B) 3.2 A/m<sup>2</sup>
- C) 2.6 A/m<sup>2</sup>
- D) 2.0 A/m<sup>2</sup>
- 69) An electron falls through a small distance in a uniform electric field of magnitude 2  $\times$  10<sup>4</sup> N/C. The direction of the field is reversed keeping the magnitude unchanged and a proton falls through the same distance. The time of fall will be
- A) same in both cases
- B) more in the case of electron
- C) more in the case of proton
- D) independent of charge
- 70) A sphere of radius R has a uniform distribution of electric charge in its volume. At a distance x from its centre, for x < R, the electric field is directly proportional to
- A)  $1/x^3$
- B)  $1/x^{2}$
- C)  $x^2$
- D) x









- 71) An object wieghs 700 gm-wt on the surface of the earth. How much will it weigh on the surface of a planet whose mass is (1/7)th of mass of earth and radius is half of that of the earth?
- A) 200 gm-wt
- B) 50 gm-wt
- C) 400 gm-wt
- D) 300 gm-wt
- 72) The value of g on the earth's surface is 980 cm/s<sup>2</sup>. Its value at a height of 64 km from the earth's surface
- A) 960.40 cm/s<sup>2</sup>
- B) 982.92 cm/s<sup>2</sup>
- C) 942.44 cm/s<sup>2</sup>
- D) 987.56 cm/s<sup>2</sup>
- 73) The amplitude of a particle which undergoes simple harmonic motion and performs uniform circular motion of radius 15 cm is
- A) 15 cm
- B) 7.5 cm
- C) 30 cm
- D) 3.75 cm
- 74) The greatest height 'h' to which a body can rise when projected upwards with a velocity 'u' is
- A) u/2g
- B) u<sup>2</sup>/2g
- C) u<sup>2</sup>/g
- D) 2u²/g
- 75) For "total internal reflection" to occur, the incident light must travel
- A) from rarer to denser medium
- B) from denser to rarer medium
- C) within rarer medium only
- D) within denser medium only









76) If 'c' is the velocity of light in vaccum and 'v' is the velocity of light in material, then refractive index ' $\mu$ ' of the material is given by the relation

- A)  $\mu = c/v$
- B)  $\mu = cv$
- C)  $\mu = v/c$
- D)  $\mu = 1/cv$

77) If a liquid enters a section of tube of radius 5 cm with a velocity of 16 m/s, the velocity with which another section of tube of radius 4 cm (assuming the tube horizontal)

- A) 25 m/s
- B) 50 m/s
- C) 12.5 m/s
- D) 100 m/s

78) The speed of sound in sea water is 1200 ms<sup>-1</sup>. A ship sends a high frequency sound wave in sea and receives an echo after 2 seconds. The depth of the sea at that point is

- A) 300 m
- B) 1200 m
- C) 600 m
- D) 2400 m

79) The intensity of sound depends on the amplitude of pressure variations within the sound wave. The threshold of hearing for any human being is

- A) 10<sup>-11</sup> Wm<sup>-2</sup>
- B) 10<sup>12</sup> Wm<sup>-2</sup>
- C) 10<sup>2</sup> Wm<sup>-2</sup>
- D) 10<sup>-12</sup> Wm<sup>-2</sup>

80) If a galaxy is receding from the earth, then the light from a galaxy as observed on the earth's surface has

- A) no shift
- B) blue shift
- C) red shift
- D) violet shift









## Section 6 - Paper II Chemistry

- 81) What is the equivalent mass of sulphuric acid, by displacement method?
- A) 31.5
- B) 63
- C) 49
- D) 98
- 82) Which of the following indicates the reactant which is completely consumed during the reaction?
- A) Limiting reagent
- B) Excess reagent
- C) Oxidant
- D) Reductant
- 83) What is the conversion factor for 'Debye' to "Coulomb.metre"?
- A) Debye(D) =  $3.3356 \times 10^{-27} \text{ Cm}$
- B) Debye(D) =  $3.3356 \times 10^{-28}$  Cm
- C) Debye(D) =  $3.3356 \times 10^{-29} \text{ Cm}$
- D) Debye(D) =  $3.3356 \times 10^{-30} \text{ Cm}$
- 84) What is the formula for dipole moment?
- A) Dipole moment = charge x distance of separation
- B) Dipole moment = charge / distance of separation
- C) Dipole moment = distance of separation / charge
- D) Dipole moment = 1 / (charge x distance of separation)
- 85) Which of the following is an amphoteric substance?
- A) HCI
- B) H<sub>2</sub>O
- C) CH<sub>3</sub>COOH
- D) NH<sub>4</sub>OH









- 86) Which of the following is the CORRECT equation?
- A) pH + pOH = 0
- B) pH + pOH = 7
- C) pH + pOH = 8
- D) pH + pOH = 14
- 87) What type of reaction is HCI + NaOH  $\rightarrow$  NaCI + H<sub>2</sub>O?
- A) Neutralization reaction
- B) Precipitation reaction
- C) Oxidation reaction
- D) Reduction reaction
- 88) Which of the following indicates Noble gases?
- A) Elements present in groups 1 and 2 in the modern periodic table
- B) Elements present in groups 3 to 12 in the modern periodic table
- C) Elements present in groups 13 to 17 in the modern periodic table
- D) Elements present in group 18 in the modern periodic table
- 89) What among the following is called slag?
- A) FeO
- B) Fe<sub>2</sub>O<sub>3</sub>
- C) FeSiO<sub>3</sub>
- D) SiO<sub>2</sub>
- 90) In polyethene, monomer is:
- A) ethane
- B) ethene
- C) methane
- D) propene
- 91) Nitration of nitrobenzene gives:
- A) m-dinitrobenzene
- B) o-dinitrobenzene
- C) p-dinitrobenzene
- D) m- nitroaniline









- 92) The Heteroatom in the compound Furan is
- A) N
- B) O
- C) S
- D) F
- 93) Which of the following is excluded from Colligative property?
- A) Elevation of boiling point
- B) Depression of freezing point
- C) Lowering of vapour pressure
- D) Increase in volume
- 94) What should be the ratio of radii in various Bohr orbits of Hydrogen atom?
- A) 1:2:4:8
- B) 1:4:9:16
- C) 1:1/2:1/4:1/8
- D) 1:1/4:1/9:1/16
- 95) The symbol that indicates the magnetic quantum number is:
- A) n
- B) I
- C) m
- D) s
- 96) How many atoms of calcium are there in 4 g of calcium?
- A) 6.022 x 10<sup>2</sup>1
- B) 6.022 x 10<sup>2</sup>2
- C) 6.022 x 10<sup>23</sup>
- D) 6.022 x 10<sup>24</sup>
- 97) How many lone pairs of electrons and bond pairs of electrons are there in water molecule?
- A) 2 lone pairs and 3 bond pairs
- B) 2 lone pairs and 2 bond pairs
- C) 2 lone pairs and 1 bond pairs
- D) 3 lone pairs and 2 bond pairs









98) Calculate the pKa of formic acid. [Dissociation constant (Ka) of formic acid =  $1.77 \times 10^{4}$  at 298 K, log 1.77 = 0.2480]

- A) 3.248
- B) 2.248
- C) 3.752
- D) 2.752

99) What is the balanced equation for the reaction,  $Cr_2O7^2-+SO3^2-\to (Cr^{3+})+SO4^2-+H_2O$  (Acid medium)?

- A)  $Cr2O7^2 + 2SO3^2 \rightarrow 2(Cr3 +) + 3SO4^2 + H2O$
- B)  $Cr2O7^2 + SO3^2 + H + \rightarrow (Cr3 +) + SO4^2 + H2O$
- C)  $Cr2O7^2 + 3SO3^2 + 8H + \rightarrow 2(Cr3 +) + 3SO4^2 + 4H2O$
- D) Cr2O7^2- + 3SO3^2- + 8H+  $\rightarrow$  2(Cr3+) + 4SO4^2-+ H2O

100) Which of the following is a combination reaction?

- A) Ca +  $2H_2O \rightarrow Ca(OH)_2 + H_2$
- B)  $V_2O_5 + 5Ca \rightarrow 2V + 5CaO$
- C)  $2KCIO_3 \rightarrow 2KCI + 3O_2$
- D)  $N_2 + O_2 \rightarrow 2NO$

101) Which of the following species among Mg, Mg<sup>2+</sup>, Al and Al<sup>3+</sup> have largest and smallest size?

- A) Mg and Mg<sup>2+</sup>
- B) Al and Al3+
- C) Mg and Al3+
- D) Al and Mg<sup>2+</sup>

102) Which of the following indicates isoelectronic species?

- A) Different ions having same number of protons but differ in their charge on their nuclei
- B) Different ions having same number of electrons but differ in their charge on their nuclei
- C) Different ions having same number of protons but different number of electrons
- D) Different ions having same number of electrons but different number of protons









103) What furnace is used in the extraction of pig iron?

- A) Reverberatory furnace
- B) Blast furnace
- C) Puddling furnace
- D) Bessemer furnace

104) What reaction is involved in Calcination process?

A) 
$$2PbS + 3O_2 \rightarrow 2PbO + 2SO_2$$

D) 
$$2ZnS + 3O_2 \rightarrow 2ZnO + 2SO_2$$

105) Which of the following compound usually contains garlic odour, when it is prepared from calcium carbide?

- A) ethane
- B) ethene
- C) ethyne
- D) methane

106) Which of the following compounds undergoes partial reduction to produce an alkene?

- A) ethane
- B) methane
- C) alkyne
- D) alkane

107) How many hydrogens are there in the compound one- propene?

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

108) Calculate the pressure exerted by 10 moles of gas contained in 30 dm³ flask at 27°C. (R=0.0821 lit atm / mol /K)

- A) 0.821 atm
- B) 8.21 atm
- C) 4.105 atm
- D) 0.4105 atm









109) Calculate the volume occupied by 2 mole of gas at 0.821 atm contained in a flask at 0°C. (R=0.0821 lit atm / mol / K)

- A) 13.65 lit
- B) 27.3 lit
- C) 40.95 lit
- D) 54.6 lit

110) Identify the electronic configuration for (O)^2-.

- A) 1s<sup>2</sup> 2s<sup>2</sup> 2p<sup>2</sup>
- B) 1s<sup>2</sup> 2s<sup>2</sup> 2p<sup>3</sup>
- C) 1s<sup>2</sup> 2s<sup>2</sup> 2p<sup>5</sup>
- D) 1s<sup>2</sup> 2s<sup>2</sup> 2p<sup>6</sup>









# Section 7 - Paper II Mathematics

No. of Questions: 40

111) The equation of the line passing through the points A (2,5,8) and B(-1,6,3) is

A) 
$$\frac{x-2}{3} = \frac{y-5}{-1} = \frac{z-8}{5}$$

B) 
$$\frac{x-1}{2} = \frac{y+1}{-1} = \frac{z-1}{3}$$

C) 
$$\frac{x-1}{1} = \frac{y+1}{1} = \frac{z-1}{1}$$

D) 
$$\frac{x-1}{1} = \frac{y+1}{-2} = \frac{z-2}{2}$$

$$Lt_{112) \text{ Find n if }} \frac{x^{n}-2^{n}}{x-2} = 80$$

, n being a positive integer

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

113) Distance of the point (-6,8) from origin

- A) 6
- B) 8
- C) 10
- D) 2

114) The distance of the point (2,3) from x axis

- A) 2
- B) 3
- C) 1
- D) 5









115) Relation connecting the number of faces (F), edges (E) and vertices (V) of a prism
A) F-E+V=2
B) F+E-V=2
C) F+E+V=2
D) F-E-V=2
116) What is the ratio of the radii of spheres whose surface areas are in the ratio 4:9?
A) 1:3
B) 1:2
C) 2:3
D) 3:2
117) What number should be added to 245672 to make it exactly divisible by 11?
117) What humber should be added to 243072 to make it exactly divisible by 11?
A) 4
B) 3
C) 2
D) 1
118) Which of the following is a prime number?
A) 153
B) 161
C) 173
D) 221
119) If a fair cubic die is rolled, then the probability that a perfect square number comes up is
A) 1/2
B) 1/3
C) 1/4
D) 1/5
120) If two unbiased dice are thrown, then the probability of getting a sum less than 6 is
A) 5/18





B) 6/18 C) 7/19 D) 8/20





121) Which of the following is guaranteed by the 'Fundamental theorem of Algebra' about the number of roots for any polynomial of degree n?

- A) At max n roots
- B) At least n roots
- C) Exactly n roots
- D) No real root

122) A quadratic equation for which the product of roots is zero will have

- A) no term with degree 1
- B) no constant term
- C) all the terms
- D) no term with degree 2

123) Equation in which reciprocal of every root is also a root is called \_\_\_\_\_ equation

- A) cubic
- B) biquadratic
- C) reciprocal
- D) standard

124) If f:R $\rightarrow$ R is defined by f(x) = x/(x<sup>2</sup>+1) then f(2)=

- A) 3/5
- B) 1/5
- C) 2/5
- D) 1/3

125) Which term of the series 24, 21, 18,.... is zero?

- A) 9th
- B) 10th
- C) 11th
- D) 12<sup>th</sup>

126) Which term will be the first negative term of the A.P. 24, 21, 18,...?

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









127) If the number of elemets in Set A is 'n', then the number of elements in P(A) is

- A) n<sup>2</sup>
- B) 2<sup>n</sup>
- C) n
- D) 3<sup>n</sup>

128) Frequency polygon can be constructed after drawing

- A) Ogive
- B) Barchart
- C) Histogram
- D) Pie chart

$$sin^{-1}x + sin^{-1}y = \pi$$
  $cos^{-1}x + cos^{-1}y$ 

129) If

find

- A)  $\pi$
- B)  $\frac{\pi}{2}$
- C) 0
- D) 1

130) Period of tan x is

- A)  $\pi/2$
- B) π
- C) 4<sub>T</sub>
- D) 2π

131) The equation of the sphere whose centre is (3, -1,4) and which passes through the point (-1,2,0) is

- A)  $(x+3)^2+(y-1)^2+(z+4)^2=21$
- B)  $(x-3)^2+(y+1)^2+(z-4)^2=41$
- C)  $(x-3)^2+(y+1)^2+(z-4)^2=42$
- D)  $(x+3)^2+(y-1)^2+(z+4)^2=21$









$$Lt_{x \to \frac{\pi}{2}} \frac{1 - \sin x}{\cos x} =$$

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

$$Lt_{x\to 0} \frac{(8+x)^{1/3}-2}{x} =$$

- A) 1/7
- B) 1/8
- C) 1/10
- D) 1/12

134) Length of the latus rectum of ellipse 3x2+y2=12

- A) 4
- B) 8
- C) 12
- D) 16

135) Value of k for which (k+1, 2k), (3k, 2k+3), (5k-1, 5k) are collinear

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

136) Area (in terms of  $\pi$ ) of a circle which can be inscribed in a square of side 2 a

- A) 4a2
- B) 2a2
- C) 3a2
- D)  $a^2$









137) If the sum of the circumference of two circles with radius a and b is equal to the circumference of a circle with radius R, then

- A) R = a+b
- B) R = a-b
- C) R = ab
- D) R = a/b

138) What is the last digit in the expansion of 34798?

- A) 2
- B) 3
- C) 7
- D) 9

139) What is the total number of three-digit numbers with unit digit 7 and divisible by 11?

- A) 6
- B) 7
- C) 8
- D) 9

140) If P(A)=0.7, P(B)=0.4  $P(A \cap B)=0.3$  then  $P(A \cap B')$  is

- A) 0.1
- B) 0.2
- C) 0.3
- D) 0.4

141) Three dice are thrown together. The probability of getting a total of at-least 6 is

- A) 103/108
- B) 104/107
- C) 102/108
- D) 101/107

142) The roots of the equation  $x^2 - px + q = 0$  are reciprocal of each other if

- A) p = -1
- B) q = 1
- C) p = q
- D) p + q = 0









143) The Geometric mean of the roots of the quadratic equation  $x^2 + b x + c = 0$  is

- A) √b
- B) √c
- C)  $\sqrt{(b+c)}$
- D)  $\sqrt{(b \times c)}$

144) Which of the following is one to one function?

- A)  $f(x) = x^2$
- B)  $f(x) = 3x^2$
- C)  $f(x) = 3x^2 + 3$
- D) f(x) = 3x

145) Sum of the infinite series 1 + 1/2 + 1/4 + ..... is

- A) 1
- B) 2
- C) 1.5
- D) 1.75

146) The series 
$$\frac{1}{1^p} - \frac{1}{2^p} + \frac{1}{3^p} - \frac{1}{4^p} + \dots$$

- A) diverges for p>0
- B) converges for p>0
- C) diverges for p<0
- D) converges for p<0

147) If A =  $\{3,7,5,8\}$  and B =  $\{2,6,9\}$  then how many elements are there in P(A X B)

- A) 28
- B) 2 9
- C)  $2^{10}$
- D) 2 12









148) 12 is the mean of a set of 6 observations and 7 is the mean of a set of other 4 observations. The mean of the combined set is

- A) 6
- B) 8
- C) 9
- D) 10

149) From a point on the ground, the angles (in degrees) of elevation of the bottom and top of a transmission tower fixed at the top of a 20 m high building are 45 and 60 respectively. What is the height of the tower?

- A) 20
- B) 20√3
- C) 20(√3-1)
- D)  $20(\sqrt{3}+1)$

150) Two angles of a triangle are  $tan^{-1}2$  and  $tan^{-1}$  3. What is the measure of the third angle (in degrees) of the triangle?

- A) 90
- B) 45
- C) 60
- D) 135









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1	В	31	В	61	В	91	A	121	A
2	В	32	C	62	В	92	В	122	В
3	С	33	В	63	В	93	D	123	C
4	В	34	В	64	A	94	В	124	C
5	D	35	A	65	В	95	C	125	A
6	A	36	В	66	В	96	В	126	В
7	D	37	A	67	A	97	В	127	В
8	В	38	A	68	A	98	C	128	C
9	С	39	В	69	C	99	C	129	С
10	С	40	A	70	D	100	D	130	В
11	В	41	С	71	С	101	C	131	В
12	В	42	С	72	A	102	В	132	A
13	D	43	A	73	A	103	В	133	D
14	В	44	D	74	В	104	С	134	С
15	A	45	A	75	В	105	С	135	В
16	В	46	С	76	A	106	С	136	D
17	C	47	A	77	A	107	В	137	A
18	A	48	D	78	В	108	В	138	D
19	В	49	В	79	D	109	D	139	C
20	В	50	C	80	C	110	D	140	D
21	В	51	В	81	C	111	A	141	A
22	C	52	C	82	A	112	D	142	В
23	В	53	C	83	D	113	С	143	В
24	В	54	D	84	A	114	В	144	D
25	В	55	D	85	В	115	A	145	В
26	D	56	A	86	D	116	С	146	В
27	A	57	A	87	A	117	C	147	D
28	D	58	В	88	D	118	С	148	D
29	С	59	С	89	С	119	В	149	C
30	D	60	A	90	В	120	A	150	В





