

CT ପରୀକ୍ଷା 2023

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7,000 MCQ

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EXPLANATION

6,200 ଟି ପୂର୍ବ ବର୍ଷର ପ୍ରଶ୍ନ



ଓଡ଼ିଶା CT ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ

Question BANK

2020, 2019, 2018

6,200 MCQ

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Section 1 - PaperI-English Language

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Read the passage and answer the questions that follow:

Fresh tomatoes received at a tomato processing plant can be turned into a variety of different products, one of which includes ketchup. The process begins by washing the tomatoes to remove any outer dirt and foreign matter from the skin before processing. Upon inspection, damaged, spoiled or unwanted tomatoes will be sorted out manually. Tomatoes will usually be conveyed by water throughout the preliminary stages to avoid bruising. After being sorted, washed and chopped up, they proceed into large steel vats for preservation/precooking and also to destroy any bacteria that could be harmful to the rest of the processing period as well as for the consumer after production. The juice will be extracted out by a juice extraction system. The outer skin, seed, stem, and fiber of fruits would be separated from the liquid in a process known as pulping. Once separated, the juice and the pulp from the tomato get filtered and processed into ketchup. A smoother ketchup consistency is achieved through more filtering and screenings, weeding out any excess pulp. Ketchup processing includes adding additional ingredients, cooking, more screening and filtering, air-removal, packaging and cooling. After juice filtration, additional ingredients are added to the mixture to achieve the desired taste and consistency. Some of the main ingredients used to create ketchup include sweeteners, vinegar, salt and spices, and flavouring. These additions are usually integrated later on in the process except for some spices added in at the beginning. Throughout the entire process, the temperature must be consistently monitored to make sure all the ingredients are being added and appropriately absorbed. Air is then removed to prevent oxidation, maintain proper colouring and inhibit the growth of any unwanted bacteria. Before being packaged, the ketchup is heated to approx. 190 °F (88 °C) to prevent contamination. After packaging, the bottles are immediately sealed to retain the freshness and preserve the shelf-life of the product. The final step is cooling the product via cold air or water to maintain its flavour. Different manufacturers will label their products accordingly with all the necessary nutritional and other legal information as required.

1) The temperature should be consistently monitored to check if the

- A) colour is properly maintained
- B) ingredients are appropriately absorbed
- C) pulp has been screened properly
- D) ketchup retains its freshness

2) During the preliminary stages of Ketchup processing, the tomatoes are transported using water to

- A) loss of flavour
- B) avoid oxidation
- C) avoid bruising
- D) avoid contamination

3) To preserve the shelf life of the Ketchup, the bottles are

- A) passed through cold air
- B) heated to 190 °F
- C) oxidized
- D) immediately sealed

4) The Ketchup is heated to 88 °C before packing to

- A) inhibit unwanted bacterial growth
- B) prevent oxidation
- C) preserve natural colour
- D) avoid contamination

5) To achieve the desired Ketchup taste and consistency,

- A) tomatoes go through the pulping process
- B) the juice is filtered
- C) tomatoes are precooked
- D) salt and spice is added

6) Which of the following options is incorrect?

- A) Cat - Cats
- B) Children - Childrens
- C) Eye - Eyes
- D) Dress - Dresses

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7) Select the correct option.

We got our son _____ dog for Christmas.

- A) a
- B) an
- C) the
- D) no article

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8) Choose the most appropriate similar meaning word:

NEUTRAL

- A) Prejudiced
- B) Involved
- C) Predisposed
- D) Unbiased

9) Select the correct form of verb from the given options.

I _____ cricket every Saturday evening.

- A) played
- B) plays
- C) would play
- D) play

10) Find the most appropriate opposite meaning word:

EXPAND

- A) Condemn
- B) Broaden
- C) Embellish
- D) Compact

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Section 2 - Paper-I-Education and General Awareness

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11) Which of the following commissions stated, "Our secondary education remains the weakest link in our educational machinery and needs urgent reforms."?

- A) Secondary Education Commission
- B) The Education Commission
- C) National Knowledge Commission
- D) University Education Commission

11) ନିୟମ କମିସନଗୁଡ଼ିକ ମଧ୍ୟ ଜିଏ ଉଲ୍ଲେଖ କରିଥିଲେ ଯେ, "ଆମ ଶିକ୍ଷାଗତ ବ୍ୟବସ୍ଥାରେ ମାଧ୍ୟମିକ ଶିକ୍ଷା ହେଉଛି ଏକ ଅତ୍ୟନ୍ତ ଦୁର୍ବଳ ସଂଯୋଗ ଏବଂ ଏଥରେ ଅତ୍ୟାବଶ୍ୟକ ସୁଧାର ଦରକାର |"

- A) ସେକେଣ୍ଟାରୀ ଏକ୍ସ୍‌କ୍ରୋପନ କମିସନ
- B) ଦି ଏକ୍ସ୍‌କ୍ରୋପନ କମିସନ
- C) ନ୍ୟାସନାଲ ନଲେଜ କମିସନ
- D) ଯୁନିଭର୍ସଟି ଏକ୍ସ୍‌କ୍ରୋପନ କମିସନ

12) To Undertake survey and studies relating to various aspects of teacher-education and publish the results is the function of

- A) State Board of Teacher Education
- B) National Council of Teacher Education
- C) Center of Advanced Studies in Education
- D) National Institute of Educational Planning and Administration

12) ଶିକ୍ଷକ-ଶିକ୍ଷାର ବିଭିନ୍ନ ଦୃଷ୍ଟିକୋଣ ସମ୍ପର୍କରେ ସର୍ବେ ଓ ଅଧ୍ୟନଗୁଡ଼ିକ ଆୟୋଜନ କରିବା ଓ ଫଳାଫଳଗୁଡ଼ିକ ପ୍ରକାଶ କରିବା ହେଉଛି _____ ର କାର୍ଯ୍ୟ |

- A) ସେଟ ବୋର୍ଡ ଅଫ ଚିଚର ଏକ୍ସ୍‌କ୍ରୋପନ
- B) ନ୍ୟାସନାଲ କାର୍ଯ୍ୟକ୍ଷେତ୍ର ଅଫ ଚିଚର ଏକ୍ସ୍‌କ୍ରୋପନ
- C) ସେଣ୍ଟର ଅଫ ଆଡାନସଟ ଷ୍ଟଟିଜ ଇନ ଏକ୍ସ୍‌କ୍ରୋପନ
- D) ନ୍ୟାସନାଲ ଇନ୍ଡସ୍ଟ୍ରୀଯୁଟ ଅଫ ଏକ୍ସ୍‌କ୍ରୋପନାଲ ପ୍ଲାନ୍ ଏବଂ ଆତମିନିସ୍ଟ୍ରେସନ

13) The most abundant element in the earth's atmosphere is

- A) Hydrogen
- B) Argon
- C) Oxygen
- D) Nitrogen

13) ପୃଥିବୀର ବାସ୍ତମଣ୍ଡଳରେ କେଉଁ ଉପାଦାନ ସବୁଠାରୁ ଅଧିକ ମିଳିଥାଏ?

- A) ଉଦ୍ଧଜନ
- B) ଆର୍ଗନ
- C) ଅମ୍ବଜନ
- D) ଯବକ୍ଷାରଜାନ

14) Which part of Indian Constitution details the provisions related to the Panchayati Raj Institutions?

- A) Part IX
- B) Part XI A
- C) Part XI
- D) Part X A

14) ଭାରତୀୟ ସମ୍ବିଧାନର କେଉଁ ଅଂଶରେ ପଞ୍ଚାୟତିରାଜ ଅନୁଷ୍ଠାନଗୁଡ଼ିକ ସମ୍ପର୍କରେ ପ୍ରାବଧାନ ରହିଛି?

- A) ଅଂଶ IX
- B) ଅଂଶ XI A
- C) ଅଂଶ XI
- D) ଅଂଶ X A

15) In Section Five of New National Policy on Education, 1986, which of the following issues related to elementary education were specially addressed?

- A) Access, Enrollment and Retention
- B) Meals, Enrollment and Retention
- C) Access, Retention and Meals
- D) Access, Enrollment and Meals

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15) ന്യാസനാലു പലിസി അനു എക്സൈസ്, 1986 രാധാരാ പാഞ്ചരെ, എലിമേണ്ടാര ശിക്ഷാ പദ്ധതിയിൽ കേള്ള് സമസ്യാഗുଡിക ബിശേഷ ഭാവേ സ്വീകരിക്കപ്പെട്ടതാണ്?

- A) സുഗമ്യതാ, താലികാഭൂക്ത ഹേബാ ഓ ധാരണ
- B) മില്ല്, താലികാഭൂക്ത ഹേബാ ഓ ധാരണ
- C) സുഗമ്യതാ, ധാരണ ഓ മില്ല്
- D) സുഗമ്യതാ, താലികാഭൂക്ത ഹേബാ ഓ മില്ല്

Section 3 - PaperI-Reasoning

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16) In a certain code language, FISH is written as GKVL. How is TUNA written in that code language?

- A) UWQE
- B) UVOB
- C) ANUT
- D) SSKW

16) এক নির্দিষ্ট সাঙ্কেতিক ভাষারে, FISH কু GKVL বোলি লেখায়। TUNA কু যেহেতু সাঙ্কেতিক ভাষারে কিভাবে লেখায়িব ?

- A) UWQE
- B) UVOB
- C) ANUT
- D) SSKW

17) The present ratio of the ages of David and Elan is 4 : 3 . After 10 years, the ratio of their ages will be 5: 4. What was David's age (in years) 10 years ago?

- A) 50
- B) 40
- C) 30
- D) 20

17) তেজিহ এবং জলানক বর্তমানের বয়স অনুপাদ 4:3। 10 বর্ষ পরে যেমানকর বয়স অনুপাত হবে 5:4। তেজিহের বয়স(বর্ষে 10 (বর্ষ তলে কেতে থালা ?

- A) 50
- B) 40
- C) 30
- D) 20

18) Instruction: Below mentioned are statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance from the commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements:

All the trains are ships.
Some flights are ships.

Conclusions:

- I) All the trains are flights.
- II) Some flights are trains.

- A) Only II follows
- B) Only I follows
- C) None of the conclusions follow
- D) Both I and II follow

18) নির্দেশাবলী: তলে দিআয়ালথুবা মন্তব্য পছকু কিছি নিষ্পত্তি দিআয়াকু।
আপশ্চ দিআয়ালথুবা মন্তব্যকু সত্য বোলি মানিবাকু পড়িব যদিও বি এহা
সাধারণের জ্ঞানথুবা তথ্যোত্তু ভিন্ন দেখায়াওথাএ। যমন্ত নিষ্পত্তি পতঙ্গ
এবং তাপরে নিষ্পত্তি নিষ্পত্তি, দিআয়ালথুবা নিষ্পত্তি মধ্যৰ কেষঁচি সাধারণের
জ্ঞানথুবা তথ্যৰ অবমাননা করুথুবা মন্তব্যকু ঠিক ভাবে অনুসরণ করুকু।
মন্তব্য: যকু ত্রেন গুড়িক জাহাজ। কিছি উচাজাহাজ গুড়িক জাহাজ।

নিষ্পত্তি:

- I) যকু ত্রেন গুড়িক উচাজাহাজ।
- II) কিছি উচাজাহাজ হেৱাকু ত্রেন।

- A) কেবল || অনুসরণ কৰকু
- B) কেবল | অনুসরণ কৰকু
- C) কৌশল বি নির্যাপকু অনুসরণ কৰকু নাহি
- D) উভয় | এবং || অনুসরণ কৰকু

19) Instruction: Below mentioned are statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance from the commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements:

- All the strengths are threats.
- All the weaknesses are threats.
- Some opportunities are weaknesses.

Conclusions:

- I) Some strengths are weaknesses.
- II) Some threats are opportunities.
- III) Some threats are weaknesses.

- A) Only I and II follows
- B) Only I and III follows
- C) Only I follows
- D) Only II and III follows

19) ନିର୍ଦ୍ଦେଶାବଳୀ: ତଳେ ଦିଆଯାଇଥିବା ମନ୍ତ୍ରବ୍ୟ ପଛକୁ କିଛି ନିର୍ଦ୍ଦର୍ଶ ଦିଆଯାଇଛି । ଆପଣଙ୍କୁ ଦିଆଯାଇଥିବା ମନ୍ତ୍ରବ୍ୟକୁ ସତ୍ୟ ବୋଲି ମାନିବାକୁ ପଡ଼ିବ ଯଦିଓ ବି ଏହା ସାଧାରଣରେ ଜଣାଥିବା ତଥ୍ୟଠାରୁ ରିନ ଦେଖାଯାଉଥାଏ । ସମସ୍ତ ମିଷ୍ରମାର୍ଗ ପଢ଼ୁ ଏବଂ ତାପରେ ନିଷ୍ଠାର ନିଅନ୍ତ୍ର, ଦିଆଯାଇଥିବା ନିଷ୍ଠାର ମଧ୍ୟରୁ କେଉଁଚାହାରଣରେ ଜଣାଥିବା ତଥ୍ୟର ଅବମାନନା କରୁଥିବା ମନ୍ତ୍ରବ୍ୟକୁ ଠିକ୍ ଭାବେ ଅନୁସରଣ କରୁଛି । ମନ୍ତ୍ରବ୍ୟ: ସବୁ ସାମର୍ଥ୍ୟ ହେଉଛି ଜୟ । ସବୁ ଦୁର୍ବଳତା ହେଉଛି ବିପଦ । କିଛି ସ୍ଵୀଯାଗ ହେଉଛି ଦୁର୍ବଳତା ।

ନିଷ୍ଠାର:

- I) କିଛି ସାମର୍ଥ୍ୟ ହେଉଛି ଦୁର୍ବଳତା ।

- II) କିଛି ବିଦପ ହେଉଛି ସ୍ଵୀଯାଗ

- III) କିଛି ଭୟ ହେଉଛି ଦୁର୍ବଳତା ।

- A) କେବଳ । ଏବଂ ॥ ଅନୁସରଣ କରନ୍ତୁ ।
- B) କେବଳ । ଏବଂ ॥ ଅନୁସରଣ କରନ୍ତୁ ।
- C) କେବଳ । ଅନୁସରଣ କରନ୍ତୁ ।
- D) କେବଳ ॥ ଏବଂ ॥ ଅନୁସରଣ କରନ୍ତୁ ।

20) Instruction:

In the following questions mark:

1, if the question can be answered with the help of statement I alone.

2, if the question can be answered with the help of statement II alone.

3, if the question can be answered with the help of both I and II.

4, if the question can't be answered at all.

A, B, C, D and E are sitting in a circular seating arrangement. A is between C and D. Who among them is in between A and E?

Statement I : E is sitting on to the immediate right of C.
Statement II : A is sitting next to D.

A) 1

B) 4

C) 3

D) 2

20) ନିର୍ଦ୍ଦେଶାବଳୀ: ନିମ୍ନଲିଖିତ ପ୍ରଶ୍ନରେ

1 ଚିହ୍ନଟ କରନ୍ତୁ ଯଦି କେବଳ ମନ୍ତ୍ରବ୍ୟ । ସାହାଯ୍ୟରେ ପ୍ରଶ୍ନର ଉଭର ଦିଆଯାଇପାରୁଛି ।

2 ଚିହ୍ନଟ କରନ୍ତୁ, ଯଦି କେବଳ ମନ୍ତ୍ରବ୍ୟ ॥ ସହଯୋଗରେ ପ୍ରଶ୍ନର ଉଭର ଦିଆଯାଇ ପାରୁଛି ।

3, ଯଦି ଉଭୟ । ଏବଂ ॥ ସହଯୋଗରେ ପ୍ରଶ୍ନର ଉଭର ଦିଆଯାଇ ପାରୁଛି ।

4, ଯଦି ପ୍ରଶ୍ନର ଉଭର କେବେ ବି ଦିଆଯାଇ ପାରିବ ନାହିଁ ।

A, B, C, D ଏବଂ E ଗୋଲକାର ଭାବେ ବସିଛନ୍ତି । C ଏବଂ D ମଞ୍ଜିରେ A ରହିଛି ।

A ଏବଂ E ମଧ୍ୟରେ କେଉଁମାନେ ଅଛନ୍ତି ?

ମନ୍ତ୍ରବ୍ୟ I : C ଡାହାଣ ପାଖକୁ ଲାଗି ବସିଛି E ।

ମନ୍ତ୍ରବ୍ୟ II : D ର ପାଖରେ A ବସିଛି ।

A) 1

B) 4

C) 3

D) 2

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Section 4 - PaperI-Teaching Aptitude

21) Which of the following statements is FALSE with reference to Teacher-centered approach to learning?

- A) Student learning is measured through objectively scored tests and assessments
- B) Teaching and assessment are viewed as two separate entities
- C) Student learning is continuously measured during teacher instruction
- D) Teachers are the main authority figure in this approach

21) ନିୟମିତ ମଧ୍ୟରୁ କେଉଁ ବନ୍ଦବ୍ୟ ଶିଖିବା ପାଇଁ ଶିକ୍ଷକ କେନ୍ଦ୍ରିତ ଦୃଷ୍ଟିକୋଣ ସମ୍ଭାବନା ହୁଲା (FALSE) ଅଛେ?

- A) ଛାତ୍ର ଶିଖିବା କୁ ଉଦ୍ଦେଶ୍ୟପୂର୍ଣ୍ଣ ପରାମର୍ଶ ଓ ଆକଳନ ମାଧ୍ୟମରେ ମଧ୍ୟମାତ୍ରାଙ୍କଣ କରିବାର ପରିକଳ୍ପନା
- B) ଶିକ୍ଷଣ ଓ ମୂଳ୍ୟାଙ୍କନ କୁ ଦୁଇଟି ଭିନ୍ନ ଭିନ୍ନ ସଂଖ୍ୟା ରୂପରେ ଦେଖାଯାଇଥାଏ
- C) ଶିକ୍ଷକ ଶିକ୍ଷା ଦେବା ସମୟରେ ଛାତ୍ର ର ଶିଖିବା କୁ କ୍ରମାଗତ ଭାବରେ ମଧ୍ୟ ଯାଇଥାଏ
- D) ଏହି ଦୃଷ୍ଟିକୋଣରେ ଶିକ୍ଷକ ମୁଖ୍ୟ ପ୍ରାଧିକାରୀ ଅଛନ୍ତି।

22) Which of the following is one of the explanations for UEE ?

- A) Universalization of Elementary Education
- B) Universal Educational Executive
- C) Universe for Education Executive
- D) United Education Executive

22) ନିୟମିତ ମଧ୍ୟରୁ କେଉଁଠି ଯୁଜନ ର ବ୍ୟାଖ୍ୟା କରେ ?

- A) ପ୍ରାଥମିକ ଶିକ୍ଷାର ସାର୍ଵଜନାକରଣ
- B) ସାର୍ଵଜନୀୟ ଶିକ୍ଷା ପ୍ରବନ୍ଧକ
- C) ଶିକ୍ଷା ପ୍ରବନ୍ଧକ ପାଇଁ ପୃଥିବୀ
- D) ସଂଯୁକ୍ତ ଶିକ୍ଷା ପ୍ରବନ୍ଧକ

23) A child creates his own concepts and knowledge based on the information he gets from outside sources. This means that he learns through the method of

- A) rote learning
- B) creation of knowledge
- C) memorization
- D) construction of knowledge

23) ଜଣେ ବିଦ୍ୟାର୍ଥୀ ବାହାର ଉତ୍ସର୍ଗ ପ୍ରାୟ ତଥ୍ୟ ଆଧାରରେ ନିଜର ଅବଧାରଣା ଓ ଜ୍ଞାନ ବୃଦ୍ଧି କରେ । ଏହାର ଅର୍ଥ ସେ କେଉଁ ପଦ୍ଧତିରେ ଶିଖୁଛି ?

- A) ଘୋଷିବା
- B) ଜ୍ଞାନ ଉପନ୍ନ କରିବା
- C) ସ୍ମରଣ ରଖିବା
- D) ଜ୍ଞାନ ଗଠନ କରିବା

24) As per the University Grants Commission Act, 1956, the Commission shall consist of a Chairman, a Vice-Chairman and

- A) Ten other members
- B) Eight other members
- C) Nine other members
- D) Eleven other members

24) ବିଶ୍ୱବିଦ୍ୟାଳୟ ଅନୁଦାନ କମିଶନ ଆଇନ, ୧୯୫୬ ଅନୁଯାୟୀ କମିଶନ ଜଣେ ଅଧ୍ୟେ, ଜଣେ ଉପାଧ୍ୟେ ଏବଂ କାହାକୁ ନେଇ ଗଠିତ ହେବା ଉଚିତ

- A) ଅନ୍ୟ ଦଶ ଜଣ ସଦସ୍ୟ
- B) ଅନ୍ୟ ଆଠ ଜଣ ସଦସ୍ୟ
- C) ଅନ୍ୟ ନଅ ଜଣ ସଦସ୍ୟ
- D) ଅନ୍ୟ ଏଗାର ଜଣ ସଦସ୍ୟ

25) Input-rich communicational environments are essential for language learning. Inputs include all of the following options EXCEPT

- A) Text books
- B) Research material
- C) News papers
- D) Class libraries

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25) ଜନପୁଣ୍ଡ-ବହୁଳ ଯୋଗାଯୋଗପୂର୍ଣ୍ଣ ପରିବେଶମୁଦ୍ରିକ ଭାଷା ଶିକ୍ଷା ପାଇଁ ଅତ୍ୟାବଶ୍ୟକ | ଜନପୁରମୁଦ୍ରିକରେ ନିମ୍ନମଧ୍ୟ ସମସ୍ତ ଅନ୍ତର୍ଭୂତ କିନ୍ତୁ କେଉଁଠି ଅନ୍ତର୍ଭୂତ ନୁହେଁ?

- A) ପାଠ୍ୟ ପୁସ୍ତକ
- B) ରବେଷଣା ସାମଗ୍ରୀ
- C) ଖବରକାଗଜ
- D) ଶ୍ରେଣୀ ପାଠୀଗାର

26) Which of the following options is INCORRECT with reference to the development of negative traits in students due to the long term and insensitive use of corporal punishments in schools?

- A) Fear and anxiety
- B) Higher academic performance
- C) Social misconduct
- D) Loss of interest in learning

26) ବିଦ୍ୟାଲୟରେ ବ୍ୟବହାର ଦୀର୍ଘମିଆଦୀ ଏବଂ ଅସମ୍ଭେଦନଶୀଳ ଶାରୀରିକ ଦର୍ଶକ କାରଣ ଯୋଗ୍ୟ ବିଦ୍ୟାର୍ଥୀମାନଙ୍କ ମଧ୍ୟରେ ନକାରାମ୍ବକ ଲକ୍ଷଣର ବିକାଶ ସନ୍ଦର୍ଭରେ ନିମ୍ନମଧ୍ୟ କେଉଁ ବିକଞ୍ଚିତ ଭୁଲ ଅଟେ?

- A) ଭୟ ଏବଂ ଉପୁକତା
- B) ଉଚ୍ଛତର ଶିକ୍ଷାଗତ ପ୍ରଦର୍ଶନ
- C) ସାମଜିକ ଦୂରାଚାର
- D) ପାଠୀଭାବେ ରୂପି ହରାଇବା

27) Which of the following options is INCORRECT with reference to the objectives of education suggested by the Kothari Commission?

- A) Increase in productivity
- B) Developing social, moral and spiritual values
- C) Promoting social and national Integration
- D) Introduction of physical education in schools

27) ନିମ୍ନୋକ୍ତ ମଧ୍ୟ କେଉଁ ବିକଞ୍ଚିତ କୋଠାରୀ କମିଶନ ହାରା ଅନୁମୋଦନ କରାଯାଇଥିବା ଶିକ୍ଷାର ଲକ୍ଷ୍ୟ ଆଧାରରେ ଭୁଲ?

- A) ଉପୁଦକତା ବୃଦ୍ଧି
- B) ସାମାଜିକ, ନୈତିକ ଏବଂ ଆଧ୍ୟାତ୍ମିକ ମୂଲ୍ୟବୋଧର ବିକାଶ
- C) ସାମାଜିକ ଏବଂ ଜାତୀୟ ସଂହାରୀ ପ୍ରୋସାହିତ କରିବା
- D) ଦୁଲରେ ଶାରୀରିକ ଶିକ୍ଷାର ଆରମ୍ଭ

28) Which of the following options is a non-formal educational movement with training methods based on Law and promise, Learning by doing, and Patrol System?

- A) Mass Media
- B) Scouting and Guiding
- C) Newspapers
- D) Library System

28) ନିମ୍ନୋକ୍ତ ବିକଞ୍ଚିତ ମଧ୍ୟ କେଉଁଠି ଏକ ଅନୌପଚାରିକ ଶିକ୍ଷା ବିମ୍ବବ ଯାହାର ତାଳିମ ପରିଚି ଆଜନ ଏବଂ ପ୍ରତିଶ୍ରୁତି, କରିବା ହାରା ଶିକ୍ଷା ଏବଂ ନିରୀକ୍ଷଣ ବ୍ୟବସା ଆଧାରିତ?

- A) ଗଣ ମାଧ୍ୟମ
- B) ଦ୍ୱାରଚିଂ ଏବଂ ଗାଇଚିଂ
- C) ସମ୍ବାଦପତ୍ର
- D) ପାଠୀଗାର ବ୍ୟବସା

29) The Maths teacher observed that inspite of making Radha practice again and again she would soon forget the method of doing the sum. She was good at other subjects. Soon the teacher realized that Radha suffered from

- A) Dyslexia
- B) Dyscalculia
- C) Dysgraphia
- D) Dyspepsia

29) ଗଣିତ ଶିକ୍ଷକ ଲକ୍ଷ୍ୟ କଲେ ଯେ ରାଧାକୁ ବାରମ୍ବାର ଅଭ୍ୟାସ କରାଇବା ସହେ ସେ ମିଶାଣ ପରିଚି ଶାୟ୍ ଭୁଲି ଯାଉଛି । ସେ ଅନ୍ୟ ବିଷୟମାନଙ୍କରେ ଭଲ କରୁଛି । ରାଧା କେଉଁଥିରେ ପାଢ଼ିବା ଥିବା ଶିକ୍ଷକଙ୍କୁ ଶାୟ୍ ଜାଣିପାରିଲେ ?

- A) ତିଏଲେକ୍ସିଯା
- B) ତିଏକଲ୍‌କୁଲିଯା
- C) ତିଏଗ୍ରୁପିଯା
- D) ତିଏପେପସିଯା

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30) Which of the following statements is INCORRECT with reference to maximizing learning and teaching time in a classroom?

- A) Have an organized plan if your planned lesson for the day runs short or you need to fill time
- B) Write learning objectives, problems and examples on the board, flip-chart paper, before the class begins
- C) Lesson plans should be fixed and followed very rigidly under all circumstances for maximizing learning
- D) Lesson plans should be well-designed and they should provide clear learning objectives for students

30) ଶ୍ରେଣୀଗୁହରେ ଶିଖ୍ନବା ଏବଂ ପଡ଼ାଇବା ସମୟ ବଡ଼ାଇବା ସମ୍ଭାବନା କେଉଁ ଉଚ୍ଚିତି ଛୁଲା ଥିଲା ?

- A) ଏକ ସଂଗଠିତ ଯୋଜନା ରଖିବା ଯଦି କେବେ ଦିନକ ପାଇଁ ଆପଣଙ୍କ ଯୋଜନା କରାଯାଇଥିବା ପାଠ୍ୟକ୍ରମ କମ ପଡ଼ିଯାଏ ଅଥବା ଆପଣଙ୍କୁ ସମୟ ସମ୍ପୂର୍ଣ୍ଣ କରିବା ଦରକାର ପଡ଼େ |
- B) ଶ୍ରେଣୀ ଆରମ୍ଭ ପୂର୍ବରୁ ଅଧ୍ୟନର ବୋର୍ଡ ଉପରେ ବା ଫିଲ୍‌ପ-ଚାର୍ଟ ପେପର ରେ ଉଦେଶ୍ୟ, ଅସୁବିଧା ଏବଂ ଉଦାହରଣ ଲେଖିବା
- C) ଅଧ୍ୟନକୁ ବଡ଼ାଇବା ପାଇଁ ସମସ୍ତ ପରିସିଦ୍ଧିରେ ପାଠ୍ୟକ୍ରମଗୁଡ଼ିକ ନିର୍ଦ୍ଦିଷ୍ଟ ହେବା ଉଚିତ ଏବଂ ବହୁତ କଠୋର ଭାବରେ ଅନୁସରଣ କରାଯିବା ଉଚିତ |
- D) ପାଠ୍ୟକ୍ରମଗୁଡ଼ିକ ଭଲଭାବରେ ଡିଜାଇନ କରାଯିବା ଉଚିତ ଏବଂ ବିଦ୍ୟାର୍ଥୀଙ୍କ ପାଇଁ ଅଧ୍ୟନ ଉଦେଶ୍ୟ ସମ୍ବନ୍ଧୀୟ ଭାବରେ ଦିଆଯିବା ଉଚିତ |

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Section 5 - PaperII-Odia Language

31) ବୃଦ୍ଧତା+ତର = ?

- A) ବୃଦ୍ଧତର
- B) ବୃଦ୍ଧତମ
- C) ବୃଦ୍ଧତର
- D) ବୃଦ୍ଧତର

32) ' ଭାଗବତ ' - ଏହା କେଉଁ ପ୍ରକାର ବିଶେଷ୍ୟ ଅଛେ ?

- A) ଜାତି ବାଚକ
- B) ସଂଗ୍ୟା ବାଚକ
- C) କ୍ରିୟା ବାଚକ
- D) ବସ୍ତୁ ବାଚକ

33) ' ମସକା ' ର ବିପରୀତ ଶବ୍ଦ ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି ?

- A) ଅମସକା
- B) ଗଣ
- C) ତେମତା
- D) ହାଲକା

34) ଯେଉଁ କ୍ରିୟା ପଦ ବିଶେଷ୍ୟ ବା ବିଶେଷଣ ଶବ୍ଦକୁ ଆଧାର କରି ଗଠିତ ହୋଇଥାଏ , ତାହାକୁ _____ କୁହାଯାଏ ?

- A) ନାମ ଧାତୁ କ୍ରିୟା
- B) ପ୍ରେରଣାର୍ଥକ କ୍ରିୟା
- C) ସମାପିକା କ୍ରିୟା
- D) ସମ୍ପନ୍ନ କ୍ରିୟା

35) ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି 'ସଂକଳଣ' ଶବ୍ଦର ବିପରୀତ ଅର୍ଥବୋଧକ ଶବ୍ଦ ?

- A) ପ୍ରଶ୍ନପତ୍ର
- B) ସିଦ୍ଧ
- C) କ୍ଷେତ୍ର
- D) ସ୍ଵତନ୍ତ୍ର

36) ' ଅଚିର ଜାତି ' - ଏଠାରେ 'ଅଚି' ଶବ୍ଦଟି କେଉଁ ପଦ ରୂପେ ବ୍ୟବହାର ହୋଇଛି ?

- A) ଅବ୍ୟୟ
- B) ବିଶେଷଣ
- C) ସର୍ବନାମ
- D) ବିଶେଷ୍ୟ

37) ପାଗଳ ଟି ତଳକ୍ତା ଗାଢିରୁ ପଡ଼ିଗଲା | ରେଖାଙ୍କିତ ଶବ୍ଦଟି କି ପ୍ରକାର ବିଶେଷଣ ଦର୍ଶାଏ ?

- A) କ୍ରିୟାଜ
- B) ଅବସ୍ଥା ବାଚକ
- C) ପରିମାଣ ବାଚକ
- D) ସର୍ବନାମିକ

38) 'ୟ'ଠାରୁ ' ଠୁଁ ' ପର୍ଯ୍ୟନ୍ତ ବ୍ୟଞ୍ଜନ ବର୍ଣ୍ଣକୁ _____ କୁହାଯାଏ? ଶୂନ୍ୟ ଛାନ ପୂର୍ଣ୍ଣ କର ?

- A) ତାଲବ୍ୟ ବର୍ଣ୍ଣ ବ୍ୟଞ୍ଜନ
- B) ବର୍ଗ ବ୍ୟଞ୍ଜନ
- C) ଓଷ୍ଠ ବର୍ଣ୍ଣ ବ୍ୟଞ୍ଜନ
- D) ଅବର୍ଗ୍ୟ ବର୍ଣ୍ଣ ବ୍ୟଞ୍ଜନ

39) ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି 'ଉଣା' ଶବ୍ଦର ବିପରୀତ ଶବ୍ଦ ?

- A) ଅସଂପୂର୍ଣ୍ଣ
- B) ଅଧୂକ
- C) ସଂପୂର୍ଣ୍ଣ
- D) ଉର୍ଧ୍ଵ

40) 'ଶତମୁଖ ହେବା' ରୂପିତିର ଅର୍ଥ କ'ଣ ?

- A) ଛାଡ଼ିଦେବା
- B) ଅନୁଗତ ହେବା
- C) ବଦନାମ କରିବା
- D) ଅଧ୍ୟକ କରି କହିବା

41) ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଠି ଏକ ବ୍ରିଯାହୀନ ରୂପି ?

- A) ଶରଣ ପଶିବା
- B) ହାତ ଉଠେଇବା
- C) ମୁଣ୍ଡକୁ ହାତ ପାଇବା
- D) ଅକଳ ଗୁଡ଼ୁମ

42) 'ସ୍ଵର୍ଗାରୋହଣ' ଶବ୍ଦଟି କେଉଁ ନିୟମରେ ଗଠିତ ହୋଇଛି ?

- A) ବିସର୍ଗ ସନ୍ଧି
- B) ସ୍ଵର ସନ୍ଧି
- C) ତଙ୍କିତ
- D) ବ୍ୟଞ୍ଜନ ସନ୍ଧି

43) 'ନିର୍ଗତ' ଶବରେ କେଉଁ ଉପସର୍ଗଟି ରହିଛି ?

- A) ଅନ୍ତୁ
- B) ନିର୍ବ
- C) ନିଃ
- D) ନି

44) ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଠି 'ଅରବିଦ' ଶବର ସମାର୍ଥକ ଶବ ?

- A) ରାଜୀବ
- B) ମାରୁତ
- C) ସରିତ
- D) ଶକୁତ

45) କୁମୁଦ ଫଳ ଗୋକେଳ ଚିଏ ଧରି ଘରକୁ ଆସିଲା | ରେଖାଙ୍କିତ ଶବ୍ଦଟି କେଉଁ ଶ୍ରେଣୀର ଶବ ଅଟେ ?

- A) ତଦ୍ ଭବ
- B) ଦେଶଜ
- C) ଆଗବୀ
- D) ପାର୍ବୀ

46) What is the side of a square, whose area is equal to the area of a rectangle whose length is 20 cms and breadth is 5 cms?

- A) 10 cms
- B) 5 cms
- C) 15 cms
- D) 20 cms

46) ഒരു ഘാസാർ ക്ഷേത്രപ്ലാൻ 20 മീറ്റർ ദൈർഘ്യം ഓ 5 മീറ്റർ പ്രകൃഷ്ട ഒരു ആയത്തേക്കുറ ക്ഷേത്രപ്ലാൻ സമീക്ഷ സമാനം, താഴവര വാച്ചു കേടേ ഹേബ്?

- A) 10 മീറ്റർ
- B) 5 മീറ്റർ
- C) 15 മീറ്റർ
- D) 20 മീറ്റർ

47) The value of $\sqrt{\frac{(0.05)^2 + (0.31)^2 + (0.075)^2}{(0.005)^2 + (0.031)^2 + (0.0075)^2}}$ is

- A) 100
- B) 10.1
- C) 10
- D) 100.11

47) $\sqrt{\frac{(0.05)^2 + (0.31)^2 + (0.075)^2}{(0.005)^2 + (0.031)^2 + (0.0075)^2}}$ റ മൂല്യ ഹോളി

- A) 100
- B) 10.1
- C) 10
- D) 100.11

48) Kiran has 30 books, 18 of which are written by author A and 12 of which are written by author B. Raghav has 20 books of the same two authors. If the ratio of the books written by author A to books written by author B is same for both Kiran and Raghav, then how many more books of author B does Kiran have than Raghav?

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

48) കിരണ പാഖരേ 30 ബഹി അഛി, ഏ മധ്യരു 18 ലേഖക A എം 12 ലേഖക B കൂടാരാ ലിഖ്താ രാമബന്ധര സമാന തുല ലേഖകക്കര 20 ബഹി അഛി. യദി ഉള്ള കിരണ എം രാമബന്ധ പാഖരേ ലേഖക A എം ലേഖക B കൂടാരാ ലിഖ്താ ബഹി സമാന അസുപാതരേ അഛി തേവേ കിരണ പാഖരേ രാമബ തുലനാരേ ലേഖക B കൂടാരാ ലിഖ്താ കേടേ ഖണ്ട ബഹി അധുക അഛി ?

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

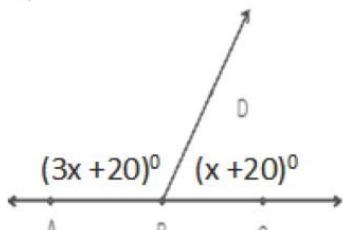
49) If the side lengths of a square are doubled then the area of a square

- A) remains the same
- B) increases by 8 times
- C) increases by 4 times
- D) increases by 2 times

49) യദി ബർക്കേറ പാർശ്വര ദൈർഘ്യം കുറുപ്പിച തുടർ തേവേ ബർക്കേറ ക്ഷേത്രപ്ലാൻ

- A) സമാനം കുഞ്ഞേ
- B) 8 ഗുണ ബുദ്ധി പാരഥാഎ
- C) 4 ഗുണ ബുദ്ധി പാരഥാഎ
- D) 2 ഗുണ ബുദ്ധി പാരഥാഎ

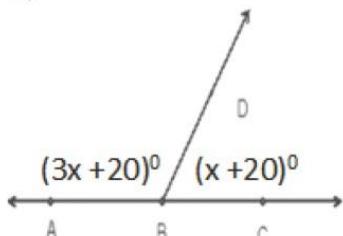
50)



In the given figure, the value of 'x' equals to

- A) 55
B) 40
C) 50
D) 35

50)



দিআয়াজুলখুবা চিত্রে 'x' র মূল্য _____ এহত সমান অঞ্চ।

- A) 55
B) 40
C) 50
D) 35

51) The product of two numbers is 1452 and their H.C.F. is 11. The number of such pairs is

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

51) দুলটি সংখ্যার গুণফল 1452 এবং সেমানকর গ.স.গু 11। এভলি যোড়ির সংখ্যা কেতে

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

52) If $2x/10 + y/5 = 1$ and $3x + 2y = 12$, then the values of x, y respectively are

- A) 2,3
B) 2,4
C) 2,5
D) 2,6

52) যদি $2x/10 + y/5 = 1$ and $3x + 2y = 12$, তেবে x, y র মূল্য যথাক্রমে

- A) 2,3
B) 2,4
C) 2,5
D) 2,6

53) What is the least number if the double of that number be exactly divisible by 6, 15, 21 and 25?

- A) 196
B) 630
C) 525
D) 160

53) কেৱল সৰ্বনিম্ন সংখ্যা দ্বিগুণিত হৈবা পৱে 6, 15, 21 এবং 25 হারা সমূর্ণ ভাবৰে বিভাজ্য?

- A) 196
B) 630
C) 525
D) 160

54) If 65% of a number is 42 less than four-fifth of that number, then the number is

- A) 140
- B) 300
- C) 280
- D) 200

54) যদি কোনো সংখ্যার 65% এহার চারি-পাঞ্চমাংশ ঠাকুর 42 কম তেবে এই সংখ্যা হোকি

- A) 140
- B) 300
- C) 280
- D) 200

55) A sum of money doubles itself at compound interest in 5 years. In how many years will it become 8 times?

- A) 15 years
- B) 18 years
- C) 10 years
- D) 20 years

55) গোটিএ রাশি চতুর্বৃক্ষ মুধরে 5বর্ষে দ্বিগুণিত হুও, তেবে কেতে বর্ষে এহা 8গুণ হোকি?

- A) 15 বর্ষ
- B) 18 বর্ষ
- C) 10 বর্ষ
- D) 20 বর্ষ

56) If set A has 3 elements and set B is a null set, then how many elements will be there in their intersection set?

- A) Three
- B) One
- C) Zero
- D) Two

56) যদি ঘোট A র 3 টি উপাদান অছি ও ঘোট B এক খালি ঘোট, তেবে ঘোট ছেড়ে ঘোটের কেতোটি উপাদান রহিব?

- A) তিনি
- B) এক
- C) শূন্য
- D) দুজন

57) If $U=\{1,2,3,4,5\}$, $R=\{1,3,5\}$, $S=\{3,4,5\}$, $T=\{2,4\}$, then $R \cap S \cap T^c$ is

- A) $\{2,4\}$
- B) $\{1,3\}$
- C) \emptyset
- D) $\{3,5\}$

57) যদি $U=\{1,2,3,4,5\}$, $R=\{1,3,5\}$, $S=\{3,4,5\}$, $T=\{2,4\}$, তেবে $R \cap S \cap T^c$ হোকি

- A) $\{2,4\}$
- B) $\{1,3\}$
- C) \emptyset
- D) $\{3,5\}$

58) If $(x+y) : (y+z) : (z+x) = 6 : 7 : 8$ and $x+y+z = 14$, then the value of $z =$

- A) 6
- B) 7
- C) 14
- D) 8

58) যদি $(x+y) : (y+z) : (z+x) = 6 : 7 : 8$ এবং $x+y+z = 14$, তেবে z র মূল্য হোকি =

- A) 6
- B) 7
- C) 14
- D) 8

59) If $(2/3)a = 54$, then the value of 'a' equals to

- A) 90
 - B) 81
 - C) 72
 - D) 18
-

59) যদি $(2/3)a = 54$, তবে 'a' র মূল্য সমান

- A) 90
 - B) 81
 - C) 72
 - D) 18
-

60) Find the radius of the base of the cylinder, if its volume is $1,03,488 \text{ cm}^3$ and height is 42 cm

- A) 33 cm
 - B) 32 cm
 - C) 30 cm
 - D) 28 cm
-

60) যদি এক বিলুপ্তর র ঘনত্ব $1,03,488$ ঘেমি 3 ও উচ্চতা 42 ঘেমি থাএ,
তবে তাহার বেস র অর্ধ ব্যাস কু বাহার করকু।

- A) 33 ঘেমি
- B) 32 ঘেমি
- C) 30 ঘেমি
- D) 28 ঘেমি

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Section 7 - PaperII-Social Science

61) The famous astronomer Galileo Galilei was born in which of the following countries?

- A) Italy
- B) Greece
- C) France
- D) Germany

61) නිෂ්ප්‍රාදු මධ්‍ය කෙශී ගාලිලිଓක්‍ර දෙශ ජ්‍යා / පුෂ්ඩ ගණිත විශාලා නිෂ්ප්‍රාදු මධ්‍ය කෙශී දෙශ රේ ජනු නොකළුලේ?

- A) ජ්‍යාලි
- B) ග්‍රීස්
- C) ප්‍රාඛ්‍ය
- D) ජර්මානි

62) Where did Tebhaga movement take place by kisan sabha?

- A) Bengal
- B) Delhi
- C) Karnataka
- D) Hyderabad

62) කිෂාන සභා තුරා තෙබාග ආධොක්‍රම කෙරුණාරේ අනුම්ඛිත නොකළුලා?

- A) බංගාල
- B) දිලා
- C) කර්නාලික
- D) නාගදාවාද

63) What is the length of 1° of latitude (a one degree arc of a meridian) at the equator?

- A) 115.6 km
- B) 120.7 km
- C) 110.6 km
- D) 111.7 km

63) බිජු රෙශා නිකුත් රේ 1අක්ෂාෂ්‍ර ලැයු කෙතේ නොකළා? (මධ්‍ය රෙශා එක්‍රී තාප නිමැතේ)

- A) 115.6 කි.මි
- B) 120.7 කි.මි
- C) 110.6 කි.මි
- D) 111.7 කි.මි

64) Which of the following kingdoms was well known for its pearls?

- A) Rashtrakutas
- B) Cholas
- C) Pandyas
- D) Cheras

64) නිශ්චා මධ්‍ය කෙශී රාජ්‍ය අහාර මොටි පාල් විශාලා ජ්‍යා?

- A) රාජ්‍යකුග
- B) ගොලු
- C) පාණු
- D) රෙලා

65) Which of the following schedules of the Indian Constitution deals with the Urban Local Government?

- A) 11th Schedule
- B) 13th Schedule
- C) 10th Schedule
- D) 12th Schedule

65) බාරජාය එම්ඩාන ර නිෂ්ප්‍රාදු අනුස්ථුති මධ්‍ය කෙශී සහර1 ප්‍රානාය පාරිභාර එහිත එම්ඩාන ඇති?

- A) 11ගම අනුස්ථුති
- B) 13ගම අනුස්ථුති
- C) 10ගම අනුස්ථුති
- D) 12ගම අනුස්ථුති

66) Who among the following described that the "Indian Constitution is first and foremost a social document"?

- A) HamVille
- B) Abraham Ville
- C) Granville Austin
- D) Graham Ville

66) ନିମ୍ନୋକ୍ତମାନଙ୍କ ମଧ୍ୟ କିଏ "ଭାରତୀୟ ସମିଧାନ ପ୍ରଥମେ ଏବଂ ସର୍ବାଗ୍ରେ ଏକ ସାମାଜିକ ଦସ୍ତାବିକ" ବେଳି ବର୍ଣ୍ଣନା କରିଥିଲେ?

- A) ହାମ୍ ଭିଲେ
- B) ଆବ୍ରାହମ ଭିଲେ
- C) ଗ୍ରାନ୍‌ଭିଲେ ଅଷ୍ଟିନ୍
- D) ଗ୍ରାହମ ଭିଲେ

67) Which of the following dominant gases are found in upper Thermosphere?

- A) Atomic hydrogen
- B) Atomic oxygen
- C) Carbon dioxide
- D) Argon

67) ନିମ୍ନୋକ୍ତ ମଧ୍ୟ କେଉଁଠି ଉପର ଥର୍ମୋସିଯରରେ ମୁଖ୍ୟ ବାଷ ଭାବରେ ମିଳିଥାଏ?

- A) ପରମାଣବିକ ଉଦ୍ଜାନ
- B) ପରମାଣବିକ ଅମ୍ବଲାନ
- C) କାରନ ଡାଇଅକ୍ସାଇଡ
- D) ଆର୍ଗନ

68) Which of the following are the guidelines, which give more focus on development and welfare of Nation in social, political and economic aspects?

- A) Directive Principles
- B) Fundamental Duties
- C) Fundamental Principles
- D) Fundamental Rights

68) ନିମ୍ନୋକ୍ତ ମଧ୍ୟ କେଉଁ ମାର୍ଗଦର୍ଶିକା ଗୁଡ଼ିକ ଦେଶରେ ସାମାଜିକ, ରାଜନୈତିକ ଏବଂ ଆର୍ଥିକ ଦିଗରେ ବିକାଶ ଏବଂ କଲ୍ୟାଣ ନିମନ୍ତେ ଅଧିକ ଧାନ ଦେଇଥାଏ?

- A) ନିର୍ଦ୍ଦେଶିତ ନାତି
- B) ମୌଳିକ କର୍ତ୍ତବ୍ୟ
- C) ମୌଳିକ ସିଦ୍ଧାନ୍ତ
- D) ମୌଳିକ ଅଧକାର

69) Who among the following was the founder of the Mughal Empire in India?

- A) Aurangzeb
- B) Babur
- C) Akbar
- D) Jahangir

69) ନିମ୍ନୋକ୍ତ ମଧ୍ୟ କିଏ ଭାରତରେ ମୋରଳ ସାମ୍ରାଜ୍ୟର ପ୍ରତିଷ୍ଠାତା ଥିଲେ?

- A) ଓରଙ୍ଗଜେବ
- B) ବାବର
- C) ଆକବର
- D) ଜାହାଙ୍ଗୀର

70) What is the name given to the horizontal lines drawn in the east-west direction on the globe?

- A) Latitudes
- B) Longitudes
- C) Meridians
- D) Grid

70) ଛୁଗୋଳକ ବା କୋର ରେ ପୂର୍ବରୁ ପଣ୍ଡିମ ଦିଗକୁ ଅଳିତ ହୋଇଥିବା ରେଖାସମୁହକୁ କେଉଁ ନାମ ଦିଆହୋଇଛି ?

- A) ଅକ୍ଷାଂଶସମୁହ
- B) ଦ୍ରାଘିମାସମୁହ
- C) ମଧ୍ୟଦିନ ରେଖାସମୁହ
- D) ଗ୍ରୀଡ

71) Which of the following countries was separated from India as result of the Government of India Act, 1935?

- A) Bhutan
- B) Ceylon
- C) Aden
- D) Burma

71) ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁ ଦେଶ ଭାରତ ସରକାରଙ୍କର ଅଧ୍ୟନିୟମ 1935 ର ପରିଣାମସ୍ବରୂପ ଭାରତ ରୁ ଅଲଗା ହୋଇଯାଇଥିଲା?

- A) ଭୁଗାନ୍ତ
- B) ସାଇଲନ୍ଡ
- C) ଆଡେନ୍
- D) ବର୍ମା

72) Jhabua district of Madhya Pradesh is a famous example for which of the following resource conservation efforts of man?

- A) Conservation of mineral resources
- B) Reverse land degradation
- C) Prevention of soil erosion
- D) Conservation of wildlife

72) ମଧ୍ୟପ୍ରଦେଶର ଖାବୁଆ ଜିଲ୍ଲା, ମନୁଷ୍ୟ ହାରା ସଂରକ୍ଷିତ କରାଯାଇ ପାରୁଥିବା କେଉଁ ସମ୍ବଲର ଏକ ଅନନ୍ୟ ଉଦ୍ଦାହରଣ ଅଟେ?

- A) ଖଣିକ ସମ୍ବଲର ସଂରକ୍ଷଣ
- B) ଆରକ୍ଷିତ ଜମି ଅବଶ୍ୱରଣ
- C) ମୃଦୁକା ଅବଶ୍ୟ ନିରାକରଣ
- D) ବଣ୍ୟୋଗୀ ସଂରକ୍ଷଣ

73) In which city was the Earth Summit, 1992 held?

- A) São Paulo
- B) Rio de Janeiro
- C) London
- D) Brasilia

73) 1992 ମସିହାର ପୃଥିବୀ ଶିଖର ସମ୍ମିଳନୀ କେଉଁ ଦେଶରେ ଅନୁଷ୍ଠାନ ହୋଇଥିଲା ?

- A) ସାଓପୋଲୋ
- B) ରିଓଡ଼ି ଜେନେରିଓ
- C) ଲକ୍ଷ୍ମୀନାର୍ଦ୍ଦିନ
- D) ବ୍ରାସିଲିଆ

74) The Intertropical Convergence Zone (ITCZ) is the region that circles the Earth, near the

- A) Poles
- B) North latitude
- C) Horse latitude
- D) Equator

74) ଅନ୍ତର୍କୃତୀୟ କର୍ମ୍ଭର୍ଜେସ୍ଟ୍ରୁ, ଅଞ୍ଚଳ (ITCZ) ପୃଥିବୀର କେଉଁ ଅଞ୍ଚଳକୁ ବଳୟ କରି ରଖୁଛି ?

- A) ମେରୁ
- B) ଉତ୍ତର ଅକ୍ଷାଂଶ
- C) ଅଣ୍ଣ ଅକ୍ଷାଂଶ
- D) ବିଷ୍ଵବ ରେଖା

75) How many members can Governor nominate to the Legislative Council?

- A) Half
- B) One-third
- C) One-fourth
- D) One-sixth

75) ରାଜ୍ୟପାଳ କେତେ ଜଣ ସଦସ୍ୟଙ୍କୁ ବିଧାନ ପରିଷଦ ପାଇଁ ନାମିତ କରିପାରିବେ?

- A) ଅଧିକ
- B) ଏକ ତୃତୀୟାଂଶ
- C) ଏକ ଚତୁର୍ଥାଂଶ
- D) ଏକ ଷଷ୍ଠୀଂଶ

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Section 8 - PaperII-Science

76) The thermal radiation from a hot body travels in vacuum with a velocity of

- A) 2×10^8 m/s
- B) 330 m/s
- C) 3×10^8 m/s
- D) 1200 m/s

76) এক উরপ্তি বস্তুর তাপজ বিকিরণ শূন্যতে গতি করিবার বেগ হেছে

- A) 2×10^8 m/s
- B) 330 m/s
- C) 3×10^8 m/s
- D) 1200 m/s

77) Which among the following options is the first stage of karyokinesis process of a typical eukaryotic cell?

- A) Metaphase
- B) Anaphase
- C) Telophase
- D) Prophase

77) নিম্নমধ্যে কেଉ বিকল্পটি এক প্রাধারণ যুক্তিগতিক কোষের কারিওকিনেসিস প্রক্রিয়ার প্রথম পর্যায়?

- A) মেটাফেজ
- B) আনাফেজ
- C) টেলোফেজ
- D) প্রোফেজ

78) A simple pendulum of length 1 m has a bob of mass 100 g. It is displayed through an angle 60° from the vertical and then released. The K.E. of bob when it passes through the mean position is

- A) 0.25 J
- B) 1.0 J
- C) 0.5 J
- D) 1.4 J

78) 1 মিটর দৈর্ঘ্যে বিশিষ্ট এক সরল পেশুলম্বরে 100গ্রাম বস্তু বিশিষ্ট পেশু রহিছে। এহা লম্ব ভাবে এক 60° কোণ দেখ প্রবর্শিত হেছে। এবং এহা পরে ঘোরু গতি আরম্ভ করছে। যেভেদে এহি পেশু মাধ্যিক দেখ অভিক্রম করুছি যেতেবেকে এহার K.E. হেছে

- A) 0.25 J
- B) 1.0 J
- C) 0.5 J
- D) 1.4 J

79) The pattern of arrangement of leaves on the stem or branch of a plant is known as

- A) Phyllotaxy
- B) Tricarpellary
- C) Aestivation
- D) Vexillary

79) এক উভিদর কাণ্ঠ বা শাখা রে পত্রে ব্যবস্থাকৃ কণ কৃত্তায়া এ?

- A) পিলোটাক্সি
- B) ত্রিকারপেলারি
- C) এষ্টিভেসন
- D) ভেক্সিলারি

80) The level of water in a tank is 5 m high. A hole of area 10 cm^2 is made in the bottom of the tank. The rate of leakage of water from the hole is ($g = 10 \text{ m/s}^2$)

- A) $10^{-4} \text{ m}^3/\text{s}$
- B) $10^{-3} \text{ m}^3/\text{s}$
- C) $10^3 \text{ m}^3/\text{s}$
- D) $10^{-2} \text{ m}^3/\text{s}$

80) ଏକ ଗାନ୍ଧିରେ ଜଳର ପ୍ରତିକରଣ 5 m ଉଚ୍ଚ । ଗାନ୍ଧିର ଡଳଭାଗରେ 10 cm^2 ର ଏକ କଣା କରାଗଲା । ଉଚ୍ଚ କଣାରୁ ଜଳ ବୋହିବାର ହାର ହେଉଛି ($g = 10 \text{ m/s}^2$)

- A) $10^{-1} \text{ m}^3/\text{s}$
- B) $10^{-2} \text{ m}^3/\text{s}$
- C) $10^{-3} \text{ m}^3/\text{s}$
- D) $10^{-4} \text{ m}^3/\text{s}$

81) Two wires A and B have the same length and area of cross-section. But Young's modulus of A is two times the Young's modulus of B. Then the ratio of force constant of A to that of B is

- A) $1/2$
- B) 2
- C) $\sqrt{2}$
- D) 1

81) A ଏବଂ B ଦୁଇଟି ତାରର ଦୈର୍ଘ୍ୟ ଏବଂ ଅନୁପ୍ରତିଷ୍ଠାନ ସମାନ । କିନ୍ତୁ Aର ଯଜ୍ଞସ୍ଥ ଗୁଣାଙ୍କ Bର ଯଜ୍ଞସ୍ଥ ଗୁଣାଙ୍କର ଦୁଇମୁଣ୍ଡା । ତେବେ A ଏବଂ B ଉପରେ ବଳର ଗୁଣାଙ୍କର ଅନୁପାତ ହେଉଛି

- A) $1/2$
- B) 2
- C) $\sqrt{2}$
- D) 1

82) In which types of plants, strong woody stem and deep anchoring roots are usually NOT necessary?

- A) Hydrophytes
- B) Epiphytes
- C) Xerophytes
- D) Halophytes

82) କେଉଁ ପ୍ରକାର ଉଭିଦରେ ଶକ୍ତ କାଠ କାଣ୍ଡ ଓ ଗଭୀରକୁ ଯାଉଥିବା ଚେରର ଆବଶ୍ୟକତା ସାଧାରଣତଃ ନଥାଏ?

- A) ହାଇଡ୍ରୋଫାଇଟ
- B) ଏପିଫାଇଟ
- C) କେରୋଫାଇଟ
- D) ହାଲୋଫାଇଟ

83) Select the non-conservative force among the following.

- A) Frictional force
- B) Gravitational force
- C) Electrostatic force between two charges
- D) Spring force

83) ନିମ୍ନୋକ୍ତ ମଧ୍ୟରୁ ଅଣା-ସଂରକ୍ଷଣାମୂଳକ ବଳ ଚନ୍ଦ୍ର କରନ୍ତୁ ।

- A) ଘର୍ଷଣ ବଳ
- B) ମାଧ୍ୟାକର୍ଷଣ ବଳ
- C) ଦୂଇଟି ତାର୍ଜ ମଧ୍ୟରେ ଛିରବେଦ୍ୟତିକ ବଳ
- D) ବ୍ରିଜ ବଳ

84) Virus is usually composed of a protein coat and

- A) Nucleic acid
- B) Oxalic acid
- C) Citric acid
- D) Lactic acid

84) ଭାଇରସ ସାଧାରଣତଃ ଗ୍ରୋଟିନ ପ୍ରଲେପ ଓ _____ କୁ ନେଇ ଗଠିତ?

- A) ନ୍ୟୁକିକ ଅମ୍ବ
- B) ଅନ୍ତରିକ୍ଷିକ ଅମ୍ବ
- C) ସାଇଟ୍ରିକ ଅମ୍ବ
- D) ଲାକ୍ଟିକ ଅମ୍ବ

85) From the top of a tower, a ball A is dropped and another ball B is thrown horizontally at the same time. Which among the following strikes the ground first?

- A) Simultaneously A and B
- B) B
- C) Depends on the masses
- D) A

85) ଏକ ଚାଉଁର ଉପରୁ ଗୋଟିଏ ବଲ୍ A ପକାଗଲା ଏବଂ ସମାନ ସମୟରେ ଅଣ୍ୟ ଏକ ବଲ୍ B ସମାନରାଜ ଭାବରେ ଫିଙ୍ଗା ଗଲା । ସେବୁଡ଼ିକ ମଧ୍ୟରୁ କେଉଁଠି ପ୍ରଥମେ ଭୂମିରେ ପଡ଼ିବା?

- A) ଏକ ସମୟରେ A ଏବଂ B
- B) B
- C) ବସ୍ତୁତ୍ତ ଉପରେ ନିର୍ଭର କରେ
- D) A

86) Blue Green Algae belongs to the group of prokaryotes and is also known as

- A) Cyanobacteria
- B) Pseudomonas
- C) Lactobacillus
- D) Actinobacteria

86) ନୀଳ ସବୁଜ ଶୈବାଳ (ବୁଦ୍ଧୀନ ଆଲଗେ) ପ୍ରୋକାରିଓରସ ଗୋଷ୍ଠୀର ଅଂଶ ଓ ଏହା _____ ଭାବେ ମଧ୍ୟ ଜଣାଶୁଣା ।

- A) ସ୍ୟାନୋବ୍ୟାକ୍ରେଟିଆ
- B) ସ୍ୱତ୍ତୋମୋନାସ
- C) ଲାକ୍ଷ୍ମୀବାସିଲେସ
- D) ଆକ୍ତିନୋବ୍ୟାକ୍ରେଟିଆ

87) Which microorganism produces statins that are commercialised as blood-cholesterol lowering agents?

- A) Lactobacillus
- B) Acetobacter aceti
- C) Monascus purpureus
- D) Aspergillus niger

87) କେଉଁ ସୂଳଜୀବ ଷାଟିନ ତିଆରି କରେ ଯାହା ରକ୍ତରେ କୋଲେଷ୍ଟରିଲ କମାଇବା ଏଇଷ୍ଟ ଭାବେ ବ୍ୟବସାୟୀକ ଭିତିରେ ବ୍ୟବହାର କରାଯାଏ?

- A) ଲାକ୍ଷ୍ମୀବାସିଲେସ
- B) ଏସିଗୋବ୍ୟାକ୍ରୁର ଏସିଟି
- C) ମୋନାସକ୍ଷେତ୍ର ପର୍ପରିଅସ
- D) ଆସରଚିଲେସ ନାଇଜର

88) The fungus Aspergillus Niger is a type of mould producing which one of the following acids?

- A) Carboxylic Acid
- B) Oxalic Acid
- C) Butyric Acid
- D) Citric Acid

88) ଆସରଚିଲେସ ନାଇଜର କବକ ହେଉଛି ଏକ ପ୍ରକାରର ଫିସି ଯାହା ନିମ୍ନମଧ୍ୟ କେଉଁ ଅମ୍ବ ତିଆରି କରିଥାଏ?

- A) କାର୍ବୋକ୍ଷିଲିକ ଅମ୍ବ
- B) ଅକ୍ଷକିଲିକ ଅମ୍ବ
- C) ବ୍ୟୁଚିରିକ ଅମ୍ବ
- D) ସାଇଟ୍ରିକ ଅମ୍ବ

89) The reactions in which two or more substances combine to form a single substance are termed as

- A) Displacement reactions
- B) Double displacement reactions
- C) Combination reactions
- D) Decomposition reactions

89) ଦୁଇ ବା ଅଧିକ ପଦାର୍ଥ ମିଶି ଗୋଟିଏ ପଦାର୍ଥ ହେବାର ପ୍ରତିକ୍ରିୟାକୁ କେଉଁ ପ୍ରତିକ୍ରିୟା କୁହାଯାଏ?

- A) ବିଷାପନ ପ୍ରତିକ୍ରିୟା
- B) ହେତ ବିଷାପନ ପ୍ରତିକ୍ରିୟା
- C) ସଂଘାଜନ ପ୍ରତିକ୍ରିୟା
- D) ଅପରତନ ପ୍ରତିକ୍ରିୟା

90) Which of the following options is INCORRECT regarding "prevention of rusting iron articles"?

- A) It should be oiled and greased
- B) It should be galvanized
- C) It should be painted
- D) It should be immersed in water

90) "ଲୁହା ଜିନିଷଗୁଡ଼ିକରେ ଜଙ୍ଗ ଲାଗିବା ରୋକିବା" ସମ୍ପର୍କରେ ନିମ୍ନମଧ୍ୟରୁ କେଉଁ ବିକଳ୍ପଟି ଛୁଲ?

- A) ଏଥୁରେ ତେଲ ଓ ଗ୍ରିଜ ଲଗାଯିବା ଆବଶ୍ୟକ
- B) ଏହାକୁ ଗାଲ୍‌ଭାଇନାଇଜ କରିବା ଆବଶ୍ୟକ
- C) ଏଥୁରେ ରଙ୍ଗ ଦିଆଯିବା ଆବଶ୍ୟକ
- D) ଏହାକୁ ପାଣିରେ ବୁଡ଼ାଇ ରଖିବା ଆବଶ୍ୟକ

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Answer Key

1. B 31. A 61. A
2. C 32. B 62. A
3. D 33. C 63. C
4. D 34. C 64. C
5. D 35. A 65. D
6. B 36. D 66. C
7. A 37. A 67. B
8. D 38. D 68. A
9. D 39. B 69. B
10. D 40. D 70. A
11. D 41. D 71. D
12. B 42. B 72. B
13. D 43. B 73. B
14. A 44. A 74. D
15. A 45. B 75. D
16. A 46. A 76. C
17. C 47. C 77. D
18. C 48. C 78. C
19. D 49. C 79. A
20. A 50. D 80. D
21. C 51. C 81. B
22. A 52. A 82. A
23. D 53. C 83. A
24. A 54. C 84. A
25. B 55. A 85. A
26. B 56. C 86. A
27. D 57. D 87. C
28. B 58. A 88. D
29. B 59. B 89. C
30. C 60. D 90. D