



NILACHAL EDUCATIONAL TRUST ODISHA VIDYARATNA AWARD CLASS – VII

Time: 3 Hrs. Full mark: 120

Instructions to the candidates:

- All questions are compulsory. Candidates should write the answers only in the blank space provided.
- Candidates are advised to attempt either the Odia medium or the English medium questions as per their choice.
- There will be no negative marking for any wrong answer.

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•	Do the rough works on the sheet attached at the end of question paper.				
	ENGLISH				
Α.	Fill in the blanks with correct articles.				
	Godavari is a holy river.				
	Q2. He is university professor.				
	Q3. I saw one eyed man.				
	Q4. This is H. S. school.				
	Q5. Rabindranath is Shakespeare of India.				
B. Fill in the blanks with collective nouns.					
	Q6. The shepherd is grazing his of sheep.				
	Q7. A crowd gathered to watch the of ships in the harbour.				
	Q8. A of bees attacked the children.				
	Q9. A of seven members discussed the matter.				
	Q10. A of wolves ran after me.				
C.	Use correct form of verb given in the brackets.				
	Q11. They usually (drive) to the movies in their van.				
	Q12. David and his friend (watch) the cricket match for three ho	ours.			
	Q13. He (know) me for the past ten years.				
	Q14. The school (break) up for summer vacation on may.				
	Q15. We (pay) for our work by the owner of the shop, yesterda	y.			
D.	Use correct form of adjective.				
	Q16. My sister is (old) to me.				
	Q17. The question is (difficult) than the previous one.				
	Q18. This book is not the (good) choice.				
	O19. The (near) bank is five miles from here.				

	Q20. Try to look (much) beautiful.
E.	Use pronoun.
	Q21. My brother does his assignments
	Q22. This is the boy was honoured.
	Q23. Passengers are reminded to take their luggage with
	Q24. I locked it
	Q25 is this umbrella?
F.	Put prepositions.
	Q26. I have been working here five years.
	Q27. The keys fell the pool of water.
	Q28. I am good dancing.
	Q29. I have not seen him last Sunday.
	Q30. He has no control his brother.
G.	Put conjunctions.
	Q31. A soldier must be strong courageous.
	Q32. He reached the meeting had ended.
	Q33. We love and honour him.
	Q34. He is very intelligent careless.
	Q35. We know the value of trees, we are felling them unnecessarily.
H.	Fill in the blanks with appropriate auxiliary verbs.
	Q36. Seventy kilometres a long distance.
	Q37. The police chasing the burglar.
	Q38. Fish and chips not so expensive.
	Q39. A herd of elephants seen in the forest.
	Q40. One of his friends able to speak English fluently.
	SCIENCE
Q1.	ମୌଳିକ ମଧ୍ୟ ଦେଇ ତାପ ଓ ବିଦ୍ୟୁତ ପ୍ରବାହିତ ହୁଏ ।
	elements are good conductor of heat and electricity.
Q2.	ଓଓ ତରଳ ମୌଳିକର ଉଦାହରଣ ।
	and are examples of liquid elements.
Q3.	ଖଖଖ ଉପଧାତୁ ଅଟନ୍ତି ।
QU.	
	and are examples of metalloids.
Q4.	ମୌଳିକର ସାଂକେତିକ କ୍ଷୁଦ୍ର ନାମକୁ କୁହନ୍ତି ।
	Symbolic representation of elements are called
Q5.	କ୍ୟାଲସିୟମ୍ କାର୍ବୋନେଟ୍ର ସଂକେତ ଅଟେ ।

	The formula of calcium carb	onate is	· · · · · · · · · · · · · · · · · · ·			
Q6.	ପାଳଙ୍ଗ ଶାଗରେ ଥିବା ଅମ୍ଲର ନାମ _		ଅଟେ ।			
	The acid present in spinach leaves is called					
Q7.	କୁ ପ୍ରାକୃତିକ ସୂ	ଚକ ଭାବରେ ବ୍ୟବଃ	ହାର କରାଯାଏ ।			
	is used as a natural indicator.					
Q8.	କାଶ୍ମୀର ଛେଳିର ଲୋମରୁ ପ୍ରସ୍ତୁତ ସାଲ	(କୁ	କୁହାଯାଏ ।			
	The shawl prepared from the	e fur of Kashmi	r goat is called	d		
Q9.	ଦକ୍ଷିଣ ଆଫ୍ରିକାର	3	ଲୋମରୁ	ପଶମ ପ୍ରସ୍ତୁତ ହୁଏ ।		
	In South Africa	and	fur	is used to make fibres.		
Q10.	ରେଶମ କୀଟର	_ବାଯୁ ସଂସର୍ଶରେ ଅ	ାସିଲେ ଏହା ରେଶ	ମ ସୂତାରେ ପରିଶତ ହୁଏ ।		
	of silk worn	n converts into	silk fibre wher	get contact with air.		
Q11.	ପ୍ଲାଜମୋଡ଼ିଅମ୍	୍ରପୋଷଣ ଦ୍ୱାରା ଖାଦ	୍ୟ ଗ୍ରହଣ କରିଥାଏ	I		
	Plasmodium has	mode of	nutrition.			
Q12.	କମଣ୍ଡଳୁ ଏକ୧	ଉଦ୍ଭିଦ ।				
	Pitcher plant is a	type of p	lant.			
Q13.	କ୍ଷୁଦ୍ରାନ୍ତର ଅନ୍ତଃ ଆବରଣରେ ଆଙ୍ଗୁଳି	ପରି ଉଠିଥିବା ଅଂଶର	ກຼີ	କୁହାଯାଏ ।		
	The finger like projection found in the inner layer of small intestine is called					
Q14.	ଗାଇର କ୍ଷୁଦ୍ରାନ୍ତ ଏବଂ ବୃହଦନ୍ତ ମଝିଟେ	,				
	A bag like structure present	between the sr	mall intestine	and large intestine of the	cow, it is	
	called					
Q15.	ଏକ ଅଧାତୁ କିନ୍କୁ ବିଦ୍ୟୁତ ଓ ତାପର ପ୍ରବାହରେ ସାହାର୍ଯ୍ୟ କରେ ।					
				neat and electricity.		
Q16.	ଟକ୍ ଟକ୍ ଫୁଟୁଥିବା ପାଣି ଡାପମାତ୍ରା _					
	instrument cannot measure the temperature of boiling waterମୃଊିକା ଆଗ୍ନେୟଶିଳାରୁ ସୃଷ୍ଟି ।					
Q17.						
	soil is prepared from igneous rock. ଶିଳାରୁ ଗଠିତ ମାଟି ଅମ୍ଲଯୁକ୍ତ ଅଟେ ।					
Q18.		112 - 5				
010	The soil prepared from			001014		
Q19.	ଯେଉଁ ପ୍ରକ୍ରିୟାରେ ଉପର ପାଣି ମାଟିରେ					
000	The process in which the up			e the soil is called	·	
Q20.	6					
	soil is suita	ible for cotton p	roduction.			

Q21.	କୋଷରେ ଖାଦ୍ୟର ବିଘଟନ ଘଟି ଶକ୍ତି ଜାତ ପ୍ରକ୍ରିୟାକୁକୁହାଯାଏ ।
	The process in which the food breaks to form energy inside the cell is called
Q22.	ମାଂସପେଶୀ କୋଷରେ ଗ୍ଲୁକୋଜ ଅସମ୍ପୂର୍ଣ୍ଣ ଭାବେ ବିଖଞ୍ଚିତ ହୋଇ ରେ ପରିଣତ ହୁଏ ।
	In muscle cell the incomplete breakdown of glucose converts into
Q23.	ଅସରପା ଦ୍ୱାରା ଶ୍ୱାସକ୍ରିୟା କରେ ।
	Cockroach respirates by their
Q24.	ଉଦ୍ଭିବର ପତ୍ରରେ ଥିବା ସୂକ୍ଷ୍ମ କଣାକୁ କୁହାଯାଏ ।
	The leaf pores are called in plants.
Q25.	ଶୀତର୍ତ୍ତରେ ବେଙ୍ଗ ନିଜ ଶରୀର ଉତ୍ତାପରେ ସନ୍ତୁଳନ ବଜାୟ ରଖିବା ପାଇଁ ନିଷ୍କ୍ରିୟ ହୋଇ ଶୋଇ ରହିବାକୁ
	କୁହାଯାଏ ।
	During winter the frog undergoes to maintain the temperature in their body.
Q26.	ପୃଥିବୀର ଅଞ୍ଚିଳରେ ଜଳବାଯୁ ଅତି ଶୀତଳ ।
	The climate of region of the world is very cold.
Q27.	ଦ୍ୱାରା ବାଯୁର ଆଦ୍ରତା ମପାଯାଏ ।
	is used to measure the humidity of air.
Q28.	ଉପାୟରେ ତାପ ସଂଚରଣ ପାଇଁ କୌଣସି ମାଧ୍ୟମ ଦରକାର ହୁଏ ନାହିଁ ।
	way is used for conduction of heat without any medium.
Q29.	ଗୋଟିଏ ବସ୍ତୁର ତାପୀୟ ଅବସ୍ଥା ବସ୍ତୁରୂ ମୂଚାଇ ଥାଏ ।
	The intensity of heat of an object indicates its
Q30.	ଶୈବାଳ ଓ କବକ ମଧ୍ୟରେ ସହଜୀବୀ ଅବସ୍ଥା ରେ ଦେଖାଯାଏ ।
	The relationship between algae and fungi on the basis of nutrition is called
Q31.	ପରିପାକ ତନ୍ତ୍ରର ସବୁଠାରୁ ବଡ ଆକାର ଅଙ୍ଗର ନାମ ଅଟେ ।
	The largest organ of alimentary canal is
Q32.	ତୃଶଭୋଜୀ ପ୍ରାଣୀମାନଙ୍କୁମଧ କୁହାଯାଏ ।
	The herbivore animals are also called as
Q33.	ଘାସ ଜାତୀୟ ଉଦ୍ଭିବରେ ଅଧିକ ପରିମାଣରେଥାଏ । .
	The grasses are rich in carbohydrate.
Q34.	ଲାଇକେନ୍ର ବଂଶ ବିସ୍ଥାର ଦ୍ୱାରା ହୋଇଥାଏ ।
	The lichens reproduces by
Q35.	ଡ଼ାଲିଜାତୀୟ ଶସ୍ୟର ମୂଳରେ ବୀଜାଣୁ ସହଜୀବୀ ଭାବେ ରହିଥାନ୍ତି ।
	The bacteria present in the root nodules of leguminous plant is called

Q36.	ଯେଉଁ ମୁଖ୍ୟ ରାଞାରେ ତୀନ୍ରୁ ସାଧାରଣତଃ ରେଶମ ବ୍ୟବସାୟୀମାନେ ଅନ୍ୟାନ୍ୟ ଦେଶକୁ ଏହି ବ୍ୟବସାୟ ତାଲୁ ରଖିଥିଲେ,
	ତାହାକୁ କୁହାଯାଏ ।
	The main road through which the cloth sellers were doing their business by collecting fibres from China, that is called
Q37.	ଆମ ପାକସ୍କଳୀରେ ଥିବା ଖାଦ୍ୟ ହଜମରେ ସହାୟକ ହୁଏ ।
	present in our stomach helps to digest food.
Q38.	ଆମ ଶରୀରର କୋଷରେ ଏକ ଅମ୍ଲ ଅଛି , ଯାହାର ନାମ ଅଟେ ।
	The acid that present in our body cell is called
Q39.	ରାସାୟନିକ ପ୍ରତିକ୍ରିୟାରେ ଯେଉଁ ଯେଉଁ ପଦାର୍ଥ ଅଂଶଗ୍ରହଣ କରିଥାଏ ସେଗୁଡ଼ିକୁ କୁହାଯାଏ ।
	The element which are used for chemical reaction are called
Q40.	ଯେଉଁ ମୌଳିକର ଏକାଧିକ ପ୍ରକାର ପରମାଣୁ ଥାଏ, ସେହିଭଳି ପରମାଣୁ ଗୁଡ଼ିକୁ କୁହାଯାଏ ।
	The element which possess many atomic masses, these atoms are called
	MATHEMATICS
Q1.	$63 - \left[(-3) \left\{ -2 - \overline{8 - 3} \right\} \right] \div \left[3 \left\{ 5 + (-2)(-1) \right\} \right] = \underline{\hspace{1cm}}.$
Q2.	ସମୀର। 3 $\frac{1}{2}$ k.g. ସେଓ, 4 $\frac{3}{4}$ k.g. କମଳା କିଶିଲା । ସମୁଦାୟ ଓଜନକ.
	Sameera purchased $3\frac{1}{2}$ k.g. apples and $4\frac{3}{4}$ kg oranges. The total weight of fruits
	purchased by her is .
Q3.	$5\frac{4}{15}$ ରେ ଯୋଗ କଲେ 12 $\frac{3}{5}$ ମିଳିବ ।
	Should be added to $5\frac{4}{15}$ to get $12\frac{3}{5}$.
Q4.	ଏକ ଆୟତକାର ପାର୍କର ବୈର୍ଘ୍ୟ 20 $\frac{3}{4}$ ମି. ଏବଂ ପ୍ରସ୍ଥ 15 $\frac{1}{2}$ ମି. ଏହାର କ୍ଷେତ୍ରଫଳ
	A rectangular park is $20\frac{3}{4}$ m. long and $15\frac{1}{2}$ m. wide. The area of the park is
Q5.	ଦୁଇଟି ସଂଖ୍ୟାର ଗୁଣଫଳ $20\frac{5}{7}$ । ଯଦି ଗୋଟିଏ ସଂଖ୍ୟା $6\frac{2}{3}$ ହୁଏ, ଡେବେ ଅନ୍ୟ ସଂଖ୍ୟାଟି
	The product of two number is $20\frac{5}{7}$. If one of the number is $6\frac{2}{3}$. the other number is
Q6.	· 0.00942 କୁ 0.314 ଦ୍ୱାରା ଭାଗ କଲେ ଭାଗଫଳ।
	Divide 0.00942 by 0.314 and the quotient is
Q7.	24 ଟି କଲମର ମୂଲ୍ୟ 2986.80 ହେଲେ 7 ଟି କଲମର ମୂଲ୍ୟ ।

The cost of 24 pens is Rs. 2986.80. Then the cost of 7 pens is ______.

Q8. ଦୁଇଟି ଦଶମିକ ସଂଖ୍ୟାର ଗୁଣଫଳ 1.8576 । ଯଦି ଗୋଟିଏ ଦଶମିକ ସଂଖ୍ୟା 0.54 ହୁଏ ତେବେ ଅନ୍ୟଟି ______ .

The product of two decimals is 1.8576. If one of the decimals is 0.54. Then the other one is

Q9. ଯଦି 24.125 = 24 + $\frac{A}{10}$ + $\frac{B}{100}$ + $\frac{C}{1000}$ 6ତବେ A + B + C =______.

If $24.125 = 24 + \frac{A}{10} + \frac{B}{100} + \frac{C}{1000}$ then A + B + C =______.

Q10. $\left(\frac{1}{2} + \frac{1}{3} + \frac{1}{5}\right)$ ରେ _____ ଯୋଗକଲେ 3 ମିଳବ ।

_____ should be added to $\left(\frac{1}{2} + \frac{1}{3} + \frac{1}{5}\right)$ to get 3.

Q11. ଯଦି $x = \frac{5}{4}$, $y = \frac{-1}{3}$, ତେବେ $(x + y) \div (x - y) =$ ______.

If $x = \frac{5}{4}$, $y = \frac{-1}{3}$, then the value of $(x + y) \div (x - y) = \underline{\hspace{1cm}}$.

Q12. $\frac{65}{12}$ ଏବଂ $\frac{8}{3}$ ର ଯୋଗଫଳକୁ ସେମାନଙ୍କର ଅନ୍ତର ଦ୍ୱାର। ଭାଗ କଲେ _____ ମିଳିବ ।

Divide the sum of $\frac{65}{12}$ and $\frac{8}{3}$ by their difference, then the answer is

Q13. 3x+5y−7 ଠାରୁ x−2y+3z _____ଅଧିକ l

x-2y+3z is greater than 3x+5y-7 by

Q14. $-m - [m + \{m + n - 2m - (m - 2n)\} - n] =$ _____.

Q15. ସମାଧାନ କର : $\frac{3x}{10} + \frac{2x}{5} = \frac{7x}{25} + \frac{29}{25}$ ତେବେ $x = \underline{\hspace{1cm}}$

Solve: $\frac{3x}{10} + \frac{2x}{5} = \frac{7x}{25} + \frac{29}{25}$, then x =_____.

Q16. ସମାଧାନ କର : 0.3x+0.4=0.28x+1.16, ତେବେ x = _____

Solve: 0.3x + 0.4 = 0.28x + 1.16 then $x = _____.$

Q17. ଗୋଟିଏ ସଂଖ୍ୟାର 5 ଗୁଣରୁ 7 ବିୟୋଗ କଲେ 63 ମିଳେ । ତେବେ ସଂଖ୍ୟଟି ______.

If 7 is subtracted from 5 times a number the result is 63. Then the number is _____.

Q18. $-\frac{2}{3}$ ର ଘନ ଏବଂ $\frac{4}{-5}$ ର ବର୍ଗର ଗୁଣଫଳ ______ ।

The product of the cube of $-\frac{2}{3}$ and the square of $\frac{4}{-5}$ is _____.

Q19.
$$\left\{ \left(3^2 - 2^2\right) \div \left(\frac{1}{5}\right)^2 \right\} = \underline{\hspace{1cm}}$$

Q20.
$$\left(\frac{-3}{5}\right)^4 \times \left(\frac{4}{9}\right)^4 \times \left(\frac{-15}{18}\right)^2$$
ର ଗୁଣଫଳ _____.

The product of $\left(\frac{-3}{5}\right)^4 \times \left(\frac{4}{9}\right)^4 \times \left(\frac{-15}{18}\right)^2$ is ______.

Q21.
$$\frac{3^5 \times 10^5 \times 25}{5^7 \times 6^5} = \underline{\hspace{1cm}}.$$

Q22. Simplify:
$$\frac{3^5 \times 10^5 \times 25}{5^7 \times 6^5} =$$
______.

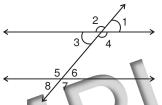
Q23. "19 ଏବଂ 6 ର ଅନକ୍ତରୁ 1 କମ୍ କରି 2 ଗୁଣନ କରାଗଲା" । ଉପରୋକ୍ତ ପରିପ୍ରକାଶର ବୀଜ ଗାଣିଡିକ ରୂପ = ____ ।

The mathematical expression for "two multiplied by one less than the difference of nineteen and six" is = _____.

Q24. ଯଦି $x = (-1) \times (-1) \times (-1) \times (-1) \times \dots$ 25 times, $y = (-3) \times (-3) \times (-3) \times (-3)$ 6ତବେ, $xy = \underline{\qquad}$ If $x = (-1) \times (-1) \times (-1) \times (-1) \times \dots$ 25 times, $y = (-3) \times (-3) \times (-3)$ then, $xy = \underline{\qquad}$.

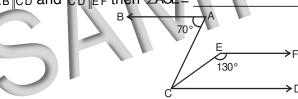
Q25. ଦିଆଯାଇଥିବା ଚିତ୍ରରେ m ||n · ∠1 = 65° , ତେବେ ∠5 = ______, ∠8 = ______,

In the given figure $m \parallel n$. $\angle 1 = 65^{\circ}$ then the value of $\angle 5 =$ ______, $\angle 8 =$ ______.



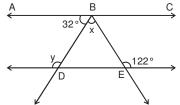
Q26. ଦିଆଯାଇଥିବା ଚିତ୍ରରେ AB ||CD ଏବଂ CD ||EF, ତେବେ 🗚 🗲 =

In the fig. $AB \parallel CD$ and $CD \parallel EF$ then $\angle ACE =$



Q27. ଏହି ଚିତ୍ରରେ AC ∥DE ଏବଂ ∠ABD = 32º, ∠E = 122º, ତେବେ x_____ଏବଂ y_____

In the fig. $AC \parallel DE$ and $\angle ABD = 32^{\circ}$ and $\angle E = 122^{\circ}$, then x and X =______, Y =_______,

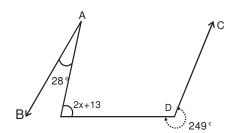


Q28. ଗୋଟିଏ କୋଣ ଏବଂ ଏହାର ଅନୁପୂରକ କୋଶର ଅଧାର ସମଷ୍ଟି 75º , ତେବେ କୋଶର ପରିମାଣ ______ ।

The sum of an angle and half of its complementary angle is 75°, The measure of the angle is .

- Q29. $\angle A$ ଏକ ସ୍ଥଳ କୋଶ । $\angle A$ ଏବଂ ଏହାର ପରିପୂରକ କୋଣର ଦୁଇ ଗୁଣର ଅନ୍ତର 30 $^\circ$ ତେବେ $\angle A =$ ______. $\angle A$ is an obtuse angle. The measure of $\angle A$ and twice its supplementary differ by 30°. Then $\angle A$ can be = .
- Q30. ଦିଆଯାଇଥିବା ଚିତ୍ରରେ AB∥CD ତେବେ X =_____

In the fig. $AB \parallel CD$ then X =



Q31. ଲଳିତ ଗୋଟିଏ ଫଟୋକୁ ବନ୍ଧେଇ କରିବାକୁ ଚାହୁଁଛି । ଫଟୋଟିର ଚଉଡ଼। $7\frac{3}{5}$ ସେ.ମି. । ବନ୍ଧେଇ ହେବା ପାଇଁ ଫଟୋଟି $7\frac{3}{10}$ ସେ.ମି. ରୁ ଅଧିକ ଚଉଡ଼ା ହୋଇପାରିବ ନାହିଁ । ତେବେ ଫଟୋଟିରୁ _____ ସେ.ମି. କାଟିବାକୁ ପଡ଼ିବ । Lalit want to put a picture in a frame. The picture is $7\frac{3}{5}$ cm wide. To fir in the frame the width of the picture should be picture cannot be more than $7\frac{3}{10}$ cm. wide. ____ trimmed.

- Q32. କିଏ ବଡ଼ ? $\frac{3}{4}$ ର ଦୁଇ ସଂସମାଂଶ କିନ୍ଦା $\frac{5}{8}$ ର ତିନି ପଅଁମାଂଶ । Which is greater? $\frac{2}{7}$ of $\frac{3}{4}$ or $\frac{3}{5}$ of $\frac{5}{8}$
- Q33. ଯଦି $x = \frac{1}{4}$, $y = \frac{3}{2}$ ତେବେ $(x + y) \div (x y) =$ ______.

If $x = \frac{1}{4}$, $y = \frac{3}{2}$ then the value of $(x + y) \div (x - y) =$ ______.

- Q34. $5^{2x} \div 5^{-3} = 5^5$, 6069 X =______. $5^{2x} \div 5^{-3} = 5^5$, find x =_____.
- Q35. 0.004579 ର standard form = _____.

The standard form of 0.004579 is ______.

Q36.
$$(2^2 + 3^2 - 4^2) \div \left(\frac{3}{2}\right)^2 = \underline{\hspace{1cm}}$$

Simplify: $(2^2 + 3^2 - 4^2) \div \left(\frac{3}{2}\right)^2 = \underline{\hspace{1cm}}$.

Q37. 36.65-15.79+85.2-57.615 =_____.

Simplify: 36.65-15.79+85.2-57.615 =_____.

Q38. 28.73 ଏବଂ 0.04158 ର ଗୁଣଫଂଳ = _____.

The product of 28.73 and 0.04158 is = _____.

Q39. କିଛି ଅଟା ବସାର ସମୁଦାୟ ଓଜନ ୧୭୪୩ କେ.ଜି.। ଯଦି ପ୍ରତି ବସାର ଓଜନ ୪୯.୮ କେ.ଜି. ହୁଏ ତେବେ ସମୁଦାୟ _____ ଟି ବସା ଅଛି।

The total weight of some bags of wheat is 1743 k.g. If each bag weight 49.8 k.g. The number of bag required is = ______.

Q40. ଯଦି 2ⁿ⁻⁷ ×5ⁿ⁻⁴ = 1250 ହୁଏ ତେବେ n =_____.

If $2^{n-7} \times 5^{n-4} = 1250$, then $n = _____$.

