

कुल प्रश्न संख्या-27

कुल पृष्ठ संख्या-2

नामांक

## अर्द्धवार्षिक परीक्षा 2019-20

कक्षा-9

BS-503

### विषय-गणित

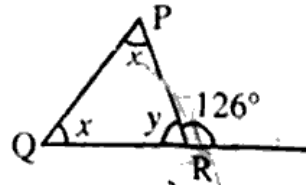
समय : 3.15 घण्टा

पूर्णांक : 70

निर्देश : (i) सभी प्रश्न करने अनिवार्य हैं।

(iv) प्रत्येक प्रश्न का उत्तर दी गई उत्तर पुस्तिका में ही लिखें।

1. 124 में 1 को न्यून करने पर प्राप्त होने वाली नवीन संख्या लिखिए। 1
2.  $16^{\frac{3}{4}}$  का मान ज्ञात कीजिए। 1
3. एक सम षट्भुज के सभी अन्तः कोणों का योग लिखिए। 1
4. समकोण त्रिभुज ABC में कोण C समकोण हो तो त्रिभुज ABC की सबसे बड़ी भुजा लिखिए। 1
5.  $60^\circ$  को रेडियन में परिवर्तित कीजिए। 1
6. बंटन 2, 3, 5, 7, 8, 9, 11 का माध्यक लिखिए। 1
7.  $\frac{1}{\sqrt{2}+\sqrt{3}}$  हर का परिमेयीकरण कीजिए। 2
8. बहुपद  $P(x) = 2x - 1$  का शून्यक ज्ञात कीजिए। 2
9. परकार व पटरी की सहायता से  $75^\circ$  के कोण की रचना कीजिए। 2
10. दिए गए चित्र  $\Delta PQR$  के कोण  $x$  व  $y$  का मान ज्ञात कीजिए। 2



11. एक चतुर्भुज के कोण  $3 : 5 : 9 : 13$  के अनुपात में हैं। इस चतुर्भुज के सबसे बड़े कोण का मान ज्ञात कीजिए। 2
12.  $42 \times 48$  संख्याओं का एकाधिकेन पूर्वेण द्वारा गुणा कीजिए। 3
13.  $1.\overline{27}$  को  $\frac{p}{q}$  के रूप में व्यक्त कीजिए जहाँ  $p$  और  $q$  पूर्णांक हैं तथा  $q \neq 0$  3
14. एक बहुभुज में दो कोण प्रत्येक एक समकोण हैं और शेष प्रत्येक कोण  $150^\circ$  के बराबर है तो बहुभुज की भुजाओं की संख्या ज्ञात कीजिए। 3

कृ.पृ.उ.

(2)

- (iii) Who was his best teacher?
- (iv) Where did Edison set up his laboratory?
- (v) How much money did Edison give to his mother daily?
- (vi) (a) Write the word from the passage which means :  
'Confused'.
- (b) Write one word from the passage for the group of words :  
'A Place where experiments are carried out'.

2. Read the following passage carefully and answer the questions that follow: 6 × 1 = 6

One day a rich merchant was walking through the Mahendra Nagar street of the town where he lived; he was on his way to see his brother who lived at some distance from his house. He paused to watch a man who was badly beating his donkey. The merchant said to him why are you doing that? To make the donkey go", replied the man. "Is it right to beat the poor animal like that?" asked the merchant. "Certainly, it is", replied the man. "It is my donkey and I can do what I like with what is mine. "The merchant advised him to be kind to the animal but in vain.

The merchant thought for a minute and started beating the man with his stick. "Stop", cried the man. "What have I done to deserve this?" "Oh", replied the merchant, "This is my stick and I can do what I like with what is mine".

- (i) Where was the rich merchant going to?
- (ii) Why did the merchant stop on his way?
- (iii) Why was the man beating the donkey?
- (iv) How did the man justify his act of beating the donkey?
- (v) (a) Find out from the passage the word which means "a person who buys and sells goods in large quantities".
- (b) Give from the passage the word which is opposite of "wrong".

### SECTION-B

(Writing)

3. Due to insanitary conditions in the colony the population of mosquitoes has been multiplying, exposing the residents to multiple diseases. Write a letter to the Municipal Commissioner bringing the problem to his notice and urging him to take urgent action in the matter. You are Suraj/Supriya, 12 MG Road, Jaipur. 1 × 4 = 4

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(3)

OR

You are Aman/Aditi studying in Bal Bharati School Bikaner. The road leading to your School is very congested and full of pot holes. Students and parents are often caught in a traffic jam. In spite of several representations, the government has not done anything to improve the condition of the road. Write an email to the Editor of 'The Times of India' drawing the attention of the government to this problem.

4. Write a paragraph in about 60 words with the help of the given outlines: 1 × 3 = 3

My favourite teacher \_\_\_\_\_ teaches \_\_\_\_\_ very well  
\_\_\_\_\_ his voice \_\_\_\_\_ sweet nature \_\_\_\_\_ very  
punctual \_\_\_\_\_ always ready to help \_\_\_\_\_ believes.

OR

My Best friend \_\_\_\_\_ need friends \_\_\_\_\_ simple and  
sober \_\_\_\_\_ honest and humble \_\_\_\_\_ headboy of the  
school \_\_\_\_\_ fond of reading books \_\_\_\_\_ share feeling  
and thought \_\_\_\_\_ lucky \_\_\_\_\_.

5. Write a paragraph in about 75 words on, "A Village Fair". 1×4=4

OR

Write a paragraph in about 75 words on "Save Trees".



### SECTION-C

(Grammar)

6. Fill in the blanks with correct form of the verbs given in the brackets: 4 × 1 = 4

- (i) Columbus \_\_\_\_\_ America (discover).
- (ii) He \_\_\_\_\_ (write) a letter to his father every Sunday.
- (iii) He \_\_\_\_\_ (wash) his hands when the telephone rang.
- (iv) The window \_\_\_\_\_ (not clean) for three months.