

अनुसूची-२

दलितवर्गमा सूचीकृत जात-जातीहरूको विवरण	
१. गन्धर्व (गाइने)	१५. डोम
२. परियार	१६. तत्मा
३. बादी	१७. दुसाध
४. विश्वकर्मा	१८. धोबी
५. मिजार	१९. पासी
६. पोडे	२०. बाँतर
७. च्यामे	२१. मसहर

(बुँदा नं. १३ को (क) सँग सम्बन्धित नमूना प्रश्नपत्र)

क. प्रश्नपत्रमा विङ्गएको वस्तुगत बहुउत्तर मध्ये उत्तरपुस्तिकामा विङ्गएको ४ वटा गोलो घेरा मध्ये सही उत्तर एकमा गोलो भित्र पूर्ण रूपमा कालो हुने गरी ढाक्नु पर्नेछ । जस्तै सही उत्तर B भए

○ A      ● B      ○ C      ● D

अनुसूची-३

आदिवासी जनजातीवर्गमा सूचीकृत जात-जातीहरूको विवरण			
क समूह	ख समूह	ग समूह	ङ समूह
१. राउटे, २. कुसुण्डा, ३. वनकरिया, ४. सुरेल, ५. हायु, ६. राजी, ७. किस्नान ८. लेच्चा, ९. मेचे, १०. कुशबडिया	१. माप्की, २. ल्होमी, ३. थुदाम, ४. धानुक, ५. भ्रांगड, ६. चेपाङ, ७. सतार, ८. थामी, ९. बोटे, १०. दनुवार, ११. सियार, १२. बरामु	१. सुनुवार, २. थारु, ३. तामाङ, ४. मुजेल, ५. कुमाल, ६. राजवंशी ७. गन्नाई, ८. धिमाल, ९. भोटे, १०. दराई, ११. ताजपुरिया, १२. प्हरी, १३. तोक्मेगोला, १४. डोल्पो १५. फ्रि, १६. मुगाल, १७. लार्के, १८. बालुङ १९. ल्होपा, २०. डुरा	१. थकाली, २. नेवार

ख. एक भन्दा बढी सम्भावित उत्तरमा चिन्ह लगाएमा वा उत्तरमा केरसेट गरेमा त्यस्ता उत्तरहरू स्वतः रद्द हुनेछन् । जस्तै सही उत्तर B हुँदा

○ A      ● B      ○ C      ● D

Subject: English (1X20=20)

1. He says he is ..... US citizen.  
a. a    b. an    c. the d. nothing
2. He is ..... only teacher for this subject.  
a. a    b. an    c. the d. nothing
3. Cottage industries supply us ..... our daily needs.  
a. in    b. from    c. with    d. by
4. They prefer begging ..... working.  
a. from    b. than    c. to    d. by
5. It ..... for 3 hours when we left home.  
a. rains    b. is raining    c. has rained    d. had been raining
6. ....? Yes, let's start the lesson.  
a. Do you start the lesson?    b. Will you start the lesson?  
c. Shall we start the lesson?    d. Can we start the lesson?
7. The negative form of 'Someone said something' is .....  
a. Someone didn't say anything.  
b. None said nothing.  
c. Anyone didn't say anything.  
d. No one said anything.
8. Either you or your father is wrong, .....?  
a. isn't he    b. aren't they  
c. aren't you    d. don't you
9. Nobody's touched her yet,?  
a. have they    b. has they  
c. have nobody    d. hasn't anybody

10. The passive form of 'He wanted me to carry his bag' is .....
- His bag was wanted me to carry.
  - He wanted me to be carried his bag.
  - I am wanted to carry his bag by him.
  - He wanted his bag to be carried by me.
11. The active form of 'This problem can't be solved by anyone' is .....
- No one can solve this problem.
  - Anyone can't solve this problem.
  - None can be solved this problem.
  - None can't solve this problem.
12. What ..... if I didn't marry you?
- you would do
  - would you do
  - you did
  - did you do
13. If you had been there, you .....
- would have punished
  - would punish
  - would be punished
  - would have been punished
14. My brother always has me ..... his homework.
- do
  - to do
  - done
  - doing
15. Can you get this bike .....
- repair
  - to repair
  - repaired
  - to be repaired
16. You can't help .....
- to love
  - love
  - loved
  - loving
17. Your health is not .....
- satisfied
  - satisfaction
  - satisfactory
  - satisfy
18. It was a ..... flight.
- legal
  - lawful
  - legalise
  - legally
19. I don't know ..... he is staying with.
- where
  - whose
  - which
  - who
20. We played well, ....., we lost the game.
- however
  - although
  - so
  - as

Science (1×20=20)

21. How much joule is there in 1 calorie?  
(1 Calorie भएको कति Joule हो ?)
- 2.2 Joule
  - 3.2 Joule
  - 4.2 Joule
  - 5.2 Joule
22. The valency of phosphorus is .....
- (Phosphorus को संयुज्या ..... हो ।)
- 1 and 2
  - 2 and 3
  - 3 and 5
  - 1 and 3
23. In hypermetropia person can not see .....
- (दूर वृष्टि कमजोरीमा योक्तिले ..... को वस्तुलाई हेर्न सक्दैन ।)
- near object
  - far object
  - thin object
  - thick object
24. Which of the following is metalloid?
- (निम्नको Metalloid कुन हो ?)
- Mercury
  - Silicon
  - Gold
  - Magnesium
25. Which is the longest cell in the human body?  
(मानव शरीरमा पाइने सबैभन्दा लामो कोष कुन हो ?)
- Muscle cell
  - Bone cell
  - Nerve cell
  - None of above
26. Potato tuber gives rise to a new plant in the soil. What type of asexual reproduction is it?  
(कलुभाट सटोला तथा मिर्सा उखल्लो / सो कस्तो बालको सबैभन्दा प्रजनन हो ?)
- Sporulation
  - Vegetative propagation
  - Fragmentation
  - Budding
27. Which material is used as heating element in heater?  
(Heater मा Heating Element को रूपमा कुन पदार्थ प्रयोग गरिन्छ ?)
- Copper
  - Tungsten
  - Iron
  - Nichrome
28. Specific heat capacity of iron is .....
- (आलको निर्दिष्ट तापक्षमता कति ..... हुन्छ ?)
- 380 J/Kg°C
  - 390 J/Kg°C
  - 470° J/Kg°C
  - 670 J/Kg°C
29. Which cell of the human blood does HIV affect?  
(HIV ले मानव रगतको कुन रक्तकोषलाई बन्धन गर्छ ?)
- WBC
  - RBC
  - Platelets
  - All of these
30. The division of fern is .....
- (लसूको Division ..... हो ।)
- Thallophyta
  - Pteridophyta
  - Brayophyta
  - Protista
31. Which of the following is liquid?  
डिलीमा तथा प्रमाणा पत्र त्हेको प्रवेश परीक्षा सञ्चालन, छात्रवृत्ति वितरण एवं भर्ना सम्बन्धी निर्देशिका २०७३



प्राविधिक शिक्षा तथा व्यावसायिक तालीम परिषद्,  
परीक्षा नियन्त्रण कार्यालय, सानोठिसी, भक्तपुर

50. a. Rs. 1000 b. Rs. 1100  
c. Rs. 1200 d. Rs. 1500  
If  $2x-4 = 4a$   $x-6 = 4a$  what is the value of  $a$ ?  
(यदि  $2x-4 = 4a$   $x-6 = 4a$  को मान कति होला ?)
- a. 2 b. 6  
c. 6a d. 2a
51. If  $\sqrt{x-7} = 1 + \sqrt{x}$ , what is the value of  $x$ ?  
(यदि  $\sqrt{x-7} = 1 + \sqrt{x}$  को मान कति होला ?)
- a. 8 b. 9  
c. 16 d. None of above
52. A coin and a die are thrown together, what is the probability that the coin falls head and dice show 3?  
(एउटा सिक्का र एउटा Die सँगै उठाउँदा सिक्का टाउको र Die मा ३ पर्ने सम्भावना कति होला ?)
- a.  $\frac{1}{5}$  b.  $\frac{12}{12}$   
c.  $\frac{1}{4}$  d.  $\frac{2}{2}$

53. If a continuous series the mean  $(\bar{x}) = 80$ , assumed mean  $(A) = 60$  and  $\sum f = 40$ , what is the value of  $\sum fd$ .  
(यदि बर्तमान श्रेणीको सरासरी  $(\bar{x}) = 80$ , कल्पित सरासरी  $(A) = 60$  र  $\sum f = 40$  को मान कति हुन्छ ?)

- a. 16 b. 160  
c. 800 d. 16000

54. If  $a+b=5$  and  $ab=6$ , what is the value of  $a^2-b^2$ ?  
(यदि  $a+b=5$  र  $ab=6$  को मान कति होला ?)

- a. 5 b. 6  
c. 10 d. 12

55. If thrice of my age 10 years ago be subtracted from twice my present age, the result is my present age, how many years my present age?

(मेरो हालको उमेरको त्रिकगुण १० वर्ष पहिलेको मेरो उमेर तलबाट घटायो भने हालको उमेर दुवै गुणन भएको मेरो उमेर कति होला ?)

- a. 16 b. 15  
c. 9 d. 10

56. If  $3\sqrt{2-\sqrt{x}} = 1$  then what is the value of  $x$ ?

(यदि  $3\sqrt{2-\sqrt{x}} = 1$  को मान कति होला ?)

- a. 4 b. 6  
c. 8 d. 2

57. What is the cash payment of a bill amounting Rs. 1800 allowing a discount of 5% and levying 13% VAT?

(१% छुट र १३% VAT लागू गराएपछि रु. १८०० को बिलको लागि लिएर मुकामी पुर्याउनु ?)

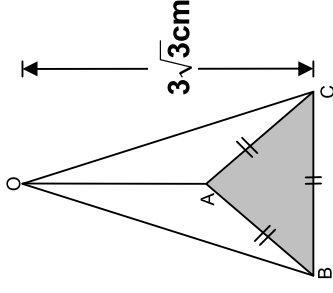
- a. Rs. 1934.30 b. Rs. 1933.30 c. Rs. 1932.30 d. Rs. 1931.30

प्राविधिक शिक्षा तथा व्यावसायिक तालीम परिषद्,  
परीक्षा नियन्त्रण कार्यालय, सानोठिसी, भक्तपुर

58. In the given figure is solid pyramid with equilateral triangle as its base, if the volume of the pyramid is  $300 \text{ cm}^3$  and its height is  $3\sqrt{3} \text{ cm}$ . What is the length of each side of the triangular base?

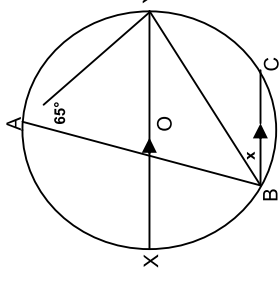
(दिएको चित्रमा समतुल्य त्रिभुज आधार भएको ठोस Pyramid हो । Pyramid को आयतन  $300 \text{ cm}^3$  र उचाइ

$3\sqrt{3} \text{ cm}$  को मान कति होला ?)



- a. 20 cm b. 10 cm  
c.  $10\sqrt{3} \text{ cm}$  d.  $20\sqrt{3} \text{ cm}$

59. In the given figure, O is the centre of circle,  $XY \parallel BC$ , what is the value of  $x$ ? (चित्रको चित्रमा O कुराको केन्द्रबिन्दु हो,  $XY \parallel BC$ , x को मान कति होला ?)

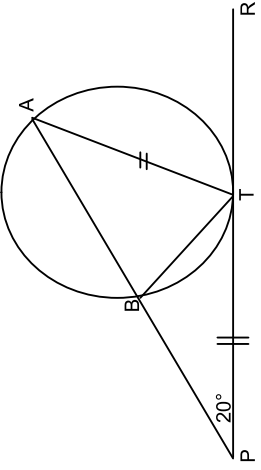


- a. 35° b. 25°  
c. 15° d. 45°
60. In the given figure, PTR is tangent of a circle. If  $\angle APT = 20^\circ$  and  $\angle APT = 20^\circ$ , what is the value of  $\angle ABT$ ?

(चित्रको चित्रमा PTR कुराको स्पर्श रेखा हो । यदि  $\angle APT = 20^\circ$  र  $\angle APT = 20^\circ$  को मान कति होला ?)

डिलोमा तथा प्रमाण पत्र तर्को प्रवेश परीक्षा सञ्चालन, छात्रवृत्ति वितरण एवं भर्ना सम्बन्धी निर्देशिका २०७३

प्राविधिक शिक्षा तथा व्यावसायिक तालीम परिषद्,  
परीक्षा नियन्त्रण कार्यालय, सानोठिमी, भक्तपुर



- a.  $40^\circ$
- c.  $60^\circ$

- b.  $30^\circ$
- d.  $50^\circ$