

अनुसूची-५

(दफा १७ को (ख) संग सम्बन्धित नमूना प्रश्नपत्र)

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

A B C D

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

A B C D

Council for Technical Education and Vocational Training (CTEVT)
Office of the Controller of Examinations
Sanothimi, Bhaktapur

Set A

Diploma/Proficiency Certificate Level Entrance Exam(Model Question Paper)

Full Marks: 60 (60*1=60)

Time: 1 hrs. 30 minutes

English

1. Today it is Saturday. Yesterday it Friday.
a. is b. be c. was d. were
2. If she time, she would have visited you.
a. had b. had had c. would have d. has had
3. Don't compel me. I don't have issue to discuss.
a. a b. an c. any d. no
4. Neither Kapil nor his friends been asked any questions so far.
a. have b. has c. had d. having
5. She is a popular singer. Everyone says she is
a. terrible b. terrifying c. terrorizing d. terrific
6. There are some crows the field.
a. on b. from c. in front of d. in
7. I have never met helpful person like you.
a. such b. such a c. so d. such an
8. Having about the problem, we decided to escape it.
a. thinking b. to think c. thought d. think
9. Which of the sentences is correct?
a. Your house looks like attractive. b. Your house looks as if attractive.
c. Your house looks an attractive thing. d. Your house looks attractive.
10. My uncle hardly speaks to me,?
a. does he b. doesn't he c. isn't it d. hasn't he
11. They got the meal ready 1:30.
a. by b. until c. in d. since
12. A nonagenarian is
a. 9 years or above b. 19 years of above c. 90 years or above d. 79 years or above
13. It's very hot. I want to my jacket.
a. pull down b. open c. take off d. take down
14. The space is widely.
a. being explored b. exploring c. exploration d. explore
15. I will marry a Japanese.

- a. with b. to c. by d. no preposition
16. There are houses in my village than in your village.
a. less b. few c. fewer d. lesser
17. Who is junior you in your office?
a. to b. than c. from d. by
18. My brother home from Australia a few days ago.
a. has come b. had come c. came d. was coming
19. What a happy ending
a. ? b. . c. : d. !
20. Which of these is correctly spelt?
a. picnicing b. picnicking c. pickniking d. pikcnicking

SCIENCE

21. Which part of the earth, the weight of the body is minimum? (पृथ्वीको कुन भागमा वस्तुको वजन सबैभन्दा कम हुन्छ ?)
a. At the equator b. At the North pole c. At the South pole d. At Terai region
22. Which formula is used to measure the Gravitational Field Intensity? (गुरुत्व बलको तीव्रता नाप्न कुन सूत्र प्रयोग हुन्छ ?)
a. mg b. $\frac{GMm}{r^2}$ c. Gm/r² d. mgh
23. What is the unit of pressure? (चापको एकाइ के-हो ?)
a. N/m² b. pascal c. both a and b d. None of them
24. A ship has weight 5x10⁵N; what must be the weight of water displaced by the ship to float on it? (एउटा पानि जहानको तौल 5x10⁵N छ भने उक्त जहाज पानीमा उत्रन कति पानी विस्थापित गर्नुपर्दछ ?)
a. 5x10⁵N b. 2x5x10⁵N c. 5x10¹⁰N d. 10x10⁵N
25. Which of the followings element used in nuclear fusion reaction? -तलका मध्ये कुन चाँहि तत्व न्युक्लियर फ्युजन प्रतिक्रियामा प्रयोग हुन्छ ?)
a. Hydrogen b. Nitrogen c. Uranium d. Lead
26. What is the unit of Heat Energy? (ताप शक्तिको एकाई के-हो ?)
a. Celsius b. Fahrenheit c. Kelvin d. Joule
27. What is the Boiling point of Alcohol? (अल्कोहलको उम्लने बिन्दु कति हो ?)
a. 70°C b. 72°C c. 76°C d. 78°C
28. Which is the electronic configuration of oxygen atom? (अक्सिजन परमाणु को इलेक्ट्रोनिक विन्यास कुन चाँही हो ?)
a. 1s², 2s² 2p⁶ b. 1s², 2s² 2p⁴ c. 1s², 2s² 2p³ d. 1s², 2s² 2p⁵
29. Which is the molecular formula of Nitric Acid? (नाइट्रिक अम्ल (Nitric Acid) को आणविक सूत्र कुन हो ?)
a. NO₂ b. HNO₃ c. NO₃ d. HNO₂
30. What is the pH value of water? (पानीको pH मान कति हुन्छ ?)
a. 5 b. 6 c. 7 d. 8
31. Which gas turns the wet Red Litmus paper into blue? (कुन ग्याँसले भिजेको रातो लिटमस पेपरलाई निलो बनाउदछ ?)
a. CO₂ b. O₂ c. N₂ d. NH₃
32. What is the IUPAC name of ethyl alcohol? (इथाइल अल्कोहलको IUPAC नाम के हो ?)
a. Methanol b. Butanol c. Elthanol d. Propanol
33. Which of the followings glass is called potash lime glass? (तलका मध्ये कुन काँचलाई पोटास लाइम काँच भनिन्छ ?)

- a. Water glass b. Silica glass c. Hard glass d. Borosilicate glass
34. Where is pituitary gland located? (पियुटरी ग्रन्थि कहाँ हुन्छ ?)
a. Testes b. Brain c. Pancreases d. Liver
35. How long RBCs are tentatively survive? (RBCs को सरदर आयु कति हुन्छ ?)
a. 120 days b. 4-7 days c. 2-3 days d. 100 days
36. How many chromosomes are present in the onion? (प्याजमा क्रोमोजोमको संख्या कति हुन्छ ?)
a. 13 pairs b. 10 pairs c. 23 pairs d. 16 pairs
37. What is the Genotype ratio of the F₂ generation obtained from monohybrid cross ? (मोनोहाइब्रिड क्रसबाट प्राप्त भएका F₂ सन्ततीको जिनोटाइपको अनुपात कति हो ?)
a. 1:2:1 b. 2:2 c. 3:1 d. 2:1:1
38. What is the percentage of CO₂ in Air? (हावामा कार्बनडाइ अक्साइडको प्रतिशत कति हुन्छ ?)
a. 3 b. 0.3 c. 0.03 d. 0.33
39. Which is the non-degradable pollutants? (कुन चाँहि वस्तु नकुहिने प्रदुषक हो ?)
a. Glass b. Wood c. Stone d. Clothes
40. How many types of Galaxies are classified? (तारापुञ्जहरूलाई कति समुहमा वर्गिकरण गरिएको छ ?)
a. 1 b. 2 c. 3 d. 4

MATHEMATICS

41. If $x = \{1, 4, 6\}$ and $Y = \{2, 5\}$, what is the value of $n(XUY)$?
यदि $x = \{1, 4, 6\}$ र $Y = \{2, 5\}$ भए $n(XUY)$ को मान कति होला ?
a. 0 b. 2 c. 3 d. 5
42. The present population of a town is X. If the population of the town increases every year by R%, what will be the population of the town after Y years?
कुनै शहरको हालको जनसङ्ख्या X छ । यदि प्रत्येक वर्ष शहरको जनसङ्ख्या R% ले वृद्धि हुन्छ भने Y वर्षपछि सो शहरको जनसङ्ख्या कति होला ?
a. $x \left(1 + \frac{R}{100}\right)^T$ b. $x \left(1 - \frac{R}{100}\right)^T$ c. $x \left(1 + \frac{R}{100}\right)^Y$ d. $x \left(1 + \frac{R}{100}\right)^R$
43. How much more is Rs. 6,000 including 13% VAT on it than Rs. 6,500?
रु. 6,000 मा 13% मूल्य अभिवृद्धि कर जोड्दा आउने रकम रु. 6,500 भन्दा कतिले बढी हुन्छ ?
a. Rs. 200 b. Rs. 280 c. Rs. 300 d. Rs. 380
44. The present price of a television is Rs. 35,000. After how many years the price of it will be Rs. 25,515 if its price reduces by 10% per annum?
एउटा टेलिभिजनको हालको मूल्य रु. 35,000 पर्दछ । यदि यसको मूल्य प्रतिवर्ष 10% ले घट्दै जान्छ भने कति वर्षपछि यसको मूल्य रु. 25,515 हुन्छ ?
a. 2 years b. $2\frac{1}{2}$ years c. 3 years d. 4 years
45. What is a triangle which three sides are 4cm, 6cm and 12 cm respectively?
तीन ओटा भुजाहरूको लम्बाइ क्रमशः 4 cm, 6 cm र 12 cm भएको त्रिभुजको कस्तो त्रिभुज हो ?
a. Acute angled triangle b. Equilateral triangle
c. Obtuse angled triangle d. No triangle
46. What is the vertical height of a square based pyramid having its base area 64cm² and volume 640cm³?
आधारको क्षेत्रफल 64 cm² र आयतन 640 cm³ भएको एउटा वर्गाकार पिरामिडको ठाडो उचाई कति होला ?
a. 5 cm b. 8 cm c. 10 cm d. 30 cm

- a. 30° b. 45° c. 60° d. 90°

58. The third quartile is calculated by the formula

तेस्रो चतुर्थांश निकालने सूत्र हो ।

- a. $L + \frac{N/3 - c.f.}{f} \times i$ b. $L + \frac{N - c.f.}{4} \times i$ c. $L + \frac{3N/4 - c.f.}{f} \times i$ d. $L + \frac{3N/4 + c.f.}{f} \times i$

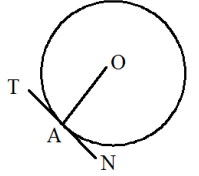
59. Two players, A and B play a tennis match. If the probability of winning the match by A is $\frac{1}{3}$, what is the probability of winning the match by B?

दुई जना खेलाडी A र B ले टेनिस खेल्दा A ले खेल जित्ने सम्भाव्यता $\frac{1}{3}$ छ भने B ले खेल जित्ने सम्भाव्यता कति होला ?

- a. $\frac{2}{3}$ b. $\frac{1}{3}$ c. $\frac{5}{6}$ d. $\frac{1}{6}$

60. In the given figure, O is the centre of a circle. If TAN is a tangent line, what is the relation between OA and TAN?

दिइएको चित्रमा O वृत्तको केन्द्रबिन्दु हो । यदि TAN एउटा स्पर्श रेखा हो भने OA र TAN को बीच सम्बन्ध के छ ?



- a. equal b. parallel c. perpendicular d. perpendicular bisector

GoodLuck

Answer Key (SET-A)

Diploma/Proficiency Certificate Level Entrance Exam-2080

English		Science		Math	
<i>Question No.</i>	<i>Answer</i>	<i>Question No.</i>	<i>Answer</i>	<i>Question No.</i>	<i>Answer</i>
1.	c	21.	a	41.	d
2.	b	22.	c	42.	c
3.	c	23.	c	43.	b
4.	a	24.	a	44.	c
5.	d	25.	a	45.	d
6.	d	26.	d	46.	d
7.	b	27.	d	47.	b
8.	c	28.	b	48.	d
9.	d	29.	b	49.	b
10.	a	30.	c	50.	a
11.	a	31.	d	51.	c
12.	c	32.	c	52.	b
13.	c	33.	c	53.	c
14.	a	34.	b	54.	b
15.	d	35.	a	55.	c
16.	c	36.	d	56.	c
17.	a	37.	a	57.	a
18.	c	38.	c	58.	c
19.	d	39.	a	59.	a
20.	b	40.	c	60.	c

अनुसूची-द

(वर्गीकृत (निःशुल्क) छात्रवृत्ति र पुर्ण शुल्कीय तर्फको सामान्य चिकित्सा, फार्मेसी र नर्सिङ्ग कार्यक्रमहरुको लागि उत्तरपुस्तिका नमूना)
(निर्देशिकाको दफा १७ (ग) संग सम्बन्धित)

Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur

ANSWER SHEET

Student's Name (IN BLOCK LETTERS)

First Name: _____ Middle Name: _____

Symbol No. Institution Code

निर्देशनः

- आपनी उत्तरपुस्तिकाका आङ्गुले प्राप्त गरेको प्रश्नपत्रको सीट अनिवार्य रूपमा उल्लेख गर्नुपर्ने छ।
- परीक्षायीले प्रवेश पत्रका आधारमा आफ्नो नाम, सिम्बल नं., संस्था कोड अनिवार्य रूपमा उल्लेख गर्नुपर्ने छ।
- उत्तरपुस्तिकाका निर्दिष्ट स्थानमा बाहेक अन्यत्र कुनै प्रकारको सङ्केत वा रङ गर्न पाइने छैन।
- प्रत्येक सही उत्तरको लागि १ अंक प्राप्त हुनेछ।
- उत्तरपुस्तिकाका तयारी मोड्यन, जर्न, छेउका कागजहरू लगाएर राख्नु पर्ने छैन।
- सही उत्तरको कोठा भित्र मात्र चुरे बाकोले चिह्न लगाउनुपर्ने छ।

Corrected fill A B C D

Signature of Superintendent (within the box)

Symbol Number (in words) :

Signature of Candidate (within the box)

Signature of Superintendent (within the box)

SET A B

1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D
8	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D
15	A	B	C	D
16	A	B	C	D
17	A	B	C	D
18	A	B	C	D
19	A	B	C	D
20	A	B	C	D
21	A	B	C	D
22	A	B	C	D
23	A	B	C	D
24	A	B	C	D
25	A	B	C	D
26	A	B	C	D
27	A	B	C	D
28	A	B	C	D
29	A	B	C	D
30	A	B	C	D
31	A	B	C	D
32	A	B	C	D
33	A	B	C	D
34	A	B	C	D
35	A	B	C	D
36	A	B	C	D
37	A	B	C	D
38	A	B	C	D
39	A	B	C	D
40	A	B	C	D
41	A	B	C	D
42	A	B	C	D
43	A	B	C	D
44	A	B	C	D
45	A	B	C	D
46	A	B	C	D
47	A	B	C	D
48	A	B	C	D
49	A	B	C	D
50	A	B	C	D
51	A	B	C	D
52	A	B	C	D
53	A	B	C	D
54	A	B	C	D
55	A	B	C	D
56	A	B	C	D
57	A	B	C	D
58	A	B	C	D
59	A	B	C	D
60	A	B	C	D