

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

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A B C D

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

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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
- a. His bag was wanted me to carry.
 - b. He wanted me to be carried his bag.
 - c. I am wanted to carry his bag by him.
 - d. He wanted his bag to be carried by me.
11. The active form of 'This problem can't be solved by anyone' is
- a. No one can solve this problem.
 - b. Anyone can't solve this problem.
 - c. None can be solved this problem.
 - d. None can't solve this problem.
12. What if I didn't marry you?

- a. you would do b. would you do
c. you did d. did you do
13. If you had been there, you
- a. would have punished
b. would punish
c. would be punished
d. would have been punished
14. My brother always has me his homework.
- a. do b. to do
c. done d. doing
15. Can you get this bike?
- a. repair b. to repair
c. repaired d. to be repaired
16. You can't help her.
- a. to love b. love
c. loved d. loving
17. Your health is not
- a. satisfied b. satisfaction
c. satisfactory d. satisfy
18. It was a flight.
- a. legal b. lawful
c. legalise d. legally
19. I don't know he is staying with.

- a. where b. whose
- c. which d. who

20. We played well,, we lost the game.

- a. however b. although
- c. so d. as

Science (1×20=20)

21. How much joule in there in 1 calorie?

(-1 Calorie भनेको कति Joule हो ?)

- a. 2.2 Joule b. 3.2 Joule
- c. 4.2 Joule d. 5.2 Joule

22. The valency of phosphorus is

(एजयकउजयचगक को संयुज्यता हो ।)

- a. 1 and 2 b. 2 and 3
- c. 3 and 5 d. 1 and 3

23. In hypermetropia person can not see

(दूर दृष्टि कमजोरीमा मानिसले को वस्तुलाई देख्न सक्दैन ।)

- a. near object b. far object
- c. thin object d. thick object

24. Which of the following is metalloid?

(निम्नमध्ये :भतर्बायिष्म कुन हो ?)

- a. Mercury b. Silicon

c. Gold d. Magnesium

25. Which is the longest cell in the human body?

(मानव शरीरमा पाइने सबैभन्दा लामो कोष कुन हो ?)

a. Muscle cell b. Bone cell

c. Nerve cell d. None of above

26. Potato tuber gives rise to a new plant in the soil. What type of asexual reproduction

is it?

(आलुबाट माटोमा नयां

बिरुवा उम्रन्छ, यो कस्तो खालको अमैथुनिक प्रजनन हो ?)

a. Sporulation b. Vegetative propagation

c. Fragmentation d. Budding

27. Which material is used as heating element in heater?

(Heater मा Heating Element को रूपमा कुन पदार्थ प्रयोग गरिन्छ ?)

a. Copper b. Tungsten

c. Iron d. Nichrome

28. Specific heat capacity of iron is

(फलामको विशिष्ट तापधारण क्षमता हुन्छ ?)

a. 380 J/Kg°C b. 390 J/Kg°C

c. 470 J/Kg°C d. 670 J/Kg°C

29. Which cell of the human blood does HIV affect?

(HIV ले मानव रगतको कुन रक्तकोषलाई असर पार्दछ ?)

a. WBC b. RBC

c. Platelets d. All of these

30. The division of fern is

(उन्त्यूको Division ===== हो ।)

a. Thallophyta b. Pteridophyta

c. Bryophyta d. Protista

31. Which of the following is liquid?

(निम्नमध्ये तरल कुन हो ?)

a. Aluminium b. Calcium

c. Iron d. Mercury

32. What is the formula of slaked lime?

-Slaked Lime sf] ;"q s'g xf] <_

a. NaOH b. CaO

c. Ca(OH)₂ d. Mg(OH)₂

33. The estimated age of the earth is

(पृथ्वीको अनुमानित उमेर हो ।)

a. 5.4 Billion year b. 4.5 Billion year

c. 5 Billion year d. 5.5 Billion year

34. Voluntary muscles are found in

(ईच्छाधीन मांसपेशीहरू मा पाइन्छन् ।)

a. heart b. liver

c. lungs d. foot

35. By which method heat is transmitted in water?

(पानीमा कुन विधिद्वारा ताप प्रसारण हुन्छ ?)

- a. Evaporation b. Radiation
- c. Convection d. Conduction

36. Which era is called era of creppers?

(कुन युगलाई घसने जन्तुहरुको युग भनिन्छ ?)

- a. Archean and Proterozoic era
- b. Mesozoic era
- c. Palaeozoic era
- d. Cainozoic era

37. Reflex action is controlled by

(आकाम्य क्रियालाई ले नियन्त्रण गर्दछ ।)

- a. brain
- b. automatic nervous system
- c. spinal cord
- d. peripheral nervous system

38. Insulin is produce by

(-Insulin ले उत्पादन गर्दछ ।)

- a. duodenum b. pancreas
- c. gall bladder d. liver

39. What should be pH-value to be strong acid?

(कडा अम्ल हुन उज(खबगिभ कति हुनु पर्दछ ?)

- a. Less than 4 b. More than 4
- c. Less than 2 d. More than 2

40. In the periodic table all the non-metals are placed under

-Periodic तालिकामा सबै अधातुहरू मा राखिन्छ ।)

- a. S-block b. P-block
- c. d-block d. f-block

41. If A and B are two subsets of U with $n(A) = 18$, $n(B) = 25$, $n(A \cap B) = 10$ and $n(U) = 43$, then $n(A \cup B) =$

and $n(A \cap B) = I$, which is the value of $n(A \cup B)$.

- a. 36 b. 7
- c. 43 d. 30

42. How many diagonals is regular octagon?

(नियमित अष्टभुजमा कतिवटा विकर्णहरू हुन्छन्)

- a. 20 b. 18
- c. 22 d. 19

43. What is the area of a circle whose radius is the diagonal of square whose area is 4

cm²

?

(एउटा वर्गको क्षेत्रफल कति हुन्छ ? जसको अर्धव्यास क्षेत्रफल ४ वर्ग से.मी. भएको वर्गको विकर्ण छ ।)

- a. 2π b. $2\sqrt{2}\pi$
- c. 4π d. 8π

44. What is the total surface area of a solid sphere of diameter 14 cm?

(१४ से.मी. व्यास भएको ठोस गोलाको पूरा सतहको क्षेत्रफल निकाल्नुहोस्)

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- a. $98\pi \text{ cm}^2$
- b. $196\pi \text{ cm}^2$
- c. $392\pi \text{ cm}^2$
- d. $588\pi \text{ cm}^2$

45. The marked price of a FM radio is Rs. 1200. What is the discount rate, if it is sold

price is Rs. 960?

(एउटा चम्मच को अंकित मूल्य रु. १२०० छ। यसको बिक्री मूल्य रु. ९६० भए छुट दर कति होला ?)

- a. 10% b. 20%
- c. 15% d. 8%

46. If 80) A (n = and 65) B (n = , what is the least value of) B A (n U ?

- a. 125 b. 20
- c. 80 d. 65

47. 2 years ago, the population of a village was 50000. If the population growth rate is

3% then find the present population of village.

(२ वर्ष पहिले एउटा गाउँ को जनसंख्या ५०००० थियो। यदि जनसंख्या वृद्धिदर ३% भए अहिलेको जनसंख्या निकाल्नुहोस्।)

- a. 53045 b. 53054
- c. 53540 d. 53504

48. If 10 cows eat as much as 6 oxen, how many oxen will eat as much as 15 cows?

(यदि १० गाईले खाने क्षमता ६ गोरुको छ भने कति गोरुले खाने क्षमता १५ गाईको होला ?)

- a. 10 b. 6 c. 9 d. 15

49. The price of an article is Rs. 6000 after 20% VAT, then find the VAT amount.

- a. Rs. 1000 b. Rs. 1100
c. Rs. 1200 d. Rs. 1500

50. If $6x^4 - xa^4 = 2 -$, what is the value of a?

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

51. If $x^2 + 7x + = -$, what is the value of x?

- 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?

- a. $\frac{1}{12}$
b. $\frac{5}{12}$
c. $\frac{1}{4}$
d. $\frac{1}{2}$

53. If a continuous series the mean $(\bar{X}) = 80$, assumed mean (A)=60 and $\sum f = 40$, what is

the value of $\sum fd$.

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

54. If $a+b=5$ and $ab=6$, what is the value of a^2

$-b^2$

?

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?

a. 16

b. 15

c. 9

d. 10

56. If $13x^2 = -$ then what is the value of x ?

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?

a. Rs. 1934.30

b. Rs. 1933.30

c. Rs. 1932.30

d. Rs. 1931.30