CLASS -XI

MODEL QUESTION.

SUBJECT: AGRICULTURE (AGRI)

SEMESTER:1

FULL MARKS: 35

Choose the correct option.

1.The word AGRICULTURE has derived from _____ language.

   a)   Latine   b)Greek
        c) Sanskrit   d) Parsian

2. Father of Indian Green Revolution is-

   a)   DrJagadish Chandra Bosu b) Dr Prasanta Chandra Mahalanobish

   c) Dr Varghese Kurien d) Dr M.S. Swaminathan

3. Assertion(A) : Since independence, the share of Agriculture in GDP is decreasing .

   Reason (R): After independence the Agriculture in India is getting week.

   a)   Both A and R are wrong

    b) A is correct but R is wrong.

   c) R is correct, but A is not appropriate for R.

   d) Both A and R are independently correct.

4. Match the followings

A	B
1.Jethro Tull	a) Soil Science
2. Anton De Berry	b) Cell
3 Robert Hook	c) Tillage
4. V.V. Docuchev	d) Plant Pathology

a) 1-a, 2-b,3-c,4-d b) 1-d,2-c,3-b, 4-a

c) 1-c, 2-d, 3-b, 4- a d) 1-b, 2-a, 3- c, 4-d

5. The larva of silk worm has _____ number of instar phases.

a) 3 b) 4 c) 5 d) 6

6. what is silk?

a) Shining thread

 b) The dry thread, made from the saliva of pupa

c) The dry thread, made from the saliva of silk worm moth

d) The dry thread made from the saliva of silk worm larva.

7. Who protects the beehive?

a) Newly born worker bees b) middle age worker bees

c) droned) older worker bees.

8. what will be the ideal ratio in composite fish culture for Ruhi, Catla and Mrigel carp?

a) 1:2:1   b) 4:3:2,   c) 3:4:4 ,   d) 4:3:3

9. One can see the Flower Broom Plant in the –

a) slope of the mountain b) sea shore

 c) river bank d) red soil area.

10. Match the followings.

A	B
1. Rain gauge	a. Light intensity
2.Cum Anemometer	b. Rainfall
3.Haleograph	c. All Sunlight
4.Photometer	d. Wind velocity

a) 1-a, 2-b, 3-c, 4-d   b) 1-b,2-d, 3-c, d-a

c) 1-c, 2-d, 3-b, d-a d) 1-b, 2-c, 3-d,4-a

11. There are _____ numbers of Agro Climatic Regions of West Bengal

a) 4   b)5   c) 6   d) 7

12. Jibon Babu lives in such a place where the soil is acidic in nature, it has Boron and Molybdenum deficiency. The area is also flood prone. In which area does he live?

a) Northan Hilly Zone b) Terai- Teesta alluvial zone,

 c) Costal saline zone.   d) Laterite zone.

13. Assertion(A) : After the industrial revolution the carbon di oxide content in air had increased.

    Reason (R) : Carbon di oxide is a greenhouse gas.

a) A is correct, but R is wrong.

 b) Both A and R are wrong.

c) Both A and R are correct and R explains A.

 d) both A and R are correct but they doesnot explain each other.

14. The earth axis changes from 22 degree to 25 degree by the time period of _____ year.

a) 30000   b) 41000   c) 1 lakh   d) 90000.

15. Cauliflower is a _____ crop.

a) Flood

b) Acid soil resistant

c) Drought resistant

d) Frost resistant

16. The sources of Methene gas in nature are-

a) Cattle animals b) Marshy land

c) Degradation of bio waste d) a, b, and c all are correct.

17. 1. The earth orbit becomes elliptical to circular in 90,000 to 1,10,000 years.

   2. The sunspot rotation time is 110 years.

   3. The father of Continental Drift Theory is- Roland and Molina.

   4. World Ozone Day is – 16th October.

 a)1- T, 2-T, 3-T, 4-F

b) 1-F,2-T, 3-F, 4-T

 c) 1-T, 2-F, 3-T, 4-F

d) 1-T, 2-F, 3-F, 4-F

18. Which one of the following is a short-day plant?

a) Rice   b) Wheat   c) Mustard   d) Bengal gram.

19. Which one of the following crops is cultivated in   Zaid Season?

a) Cauliflower   b) Aman Paddy   c) Potato   d) Cucumber

20. The Bulk Density of a particular soil is 1.5 g/cc and the Particle Density is 2.5 g/cc. what will be the Pore Space percentage?

a) 25%   b) 30%   c) 35%   d) 40%

21. _____ is the best soil structure for cultivation.

a) Plate like   b) Columnar c) Prismatic   d) Crumb

22. The organic matter content is highest in _____ horizon of a soil profile.

a) O   b) A   c) B   d) C

23. If the weight of a soil is 40 g and its oven dry weight is 35 g, then find its moisture percentage.

a) 10%   b) 12.5%   c) 15%   d) 20%

24. Answer the question based on the statement being True (T) or False (F).

1. The Cation Exchange Capacity (CEC) is the lowest in Keolinite.

2. The sandy soil has a greater Water Holding Capacity.

3. The Loamy soil has a good structure for cultivation.

4. The capillary property of clayey soil is low.

a) 1-F,2-T, 3-T, 4-T

b) 1-T,2- F, 3-F, 4-F

c) 1-T, 2-T, 3+-T,4-F

d) 1-F, 2-F, 3-F, 4-T

25. Statement1: The Bulk Density will decrease if the organic Manure is applied to the soil.

    Statement 2: The density of organic manure is lesser than the normal soil.

a) Only statement 1 is correct.

 b) Only statement 2 is correct.

c) Both statement 1 and 2 are independently correct.

d) Both are correct and statement -1 can be explained by statement-2.

26. In which of the following area the Physical Weathering through air is highest?

a) Desert areab) Plateau area   c) Seashore   d) Hilly region.

27. The type of water, that plant can intake-

a)   Hygroscopic water b) Gravitational water

 c) Capillary water   d) Combined water

28 Among the followings _____ soil have the pore space.

a) Loamy soil   b) Pit soil   c) Red soil   d) Lateritic soil

29. According to USDA the diameter of clay particle is

a)0.2-0.02 mm   b) less than 0.002 mm   c) 2.0-0.2 mm   d) 0.02-0.002 mm

30. Statement 1: Abnormality of X chromosome causes Turner Syndrome.

     Statement 2: This abnormality is due to the inversion effect of chromosome.

a) Only statement is correct.

b) Only Statement 2 is correct.

c) Both statement 1 and 2 are independently correct.

d) Both statement 1 and 2 are correct and statement 2 clearly ex[plains statement1.

31. The word Gene was first used by _____.

a) Dr H. D Khurana   b) Watson and Crick

c) Willium Johansen   d) Gregor Johan Mendel.

32. Let S, M ang G are the set of three chromosomes. Then what will be its tetraploid version?

a) SMG, SMG   b) SNG, SM, SMG

C) SMG, SMG, SMG   d) SMG, SMG, SMG, SMG

33. Which of the followings is an example of a GM crop?

a) BT- brinjal   b) BT- Cotton

 c) IET-1444   d) Only a and c are correct.

34.The gene responsible for the   **Hair in ear pina** is present in _____ chromosome.

   a) 14th b) 28th c) Y   d) X

35. To get a suitable variety, which of the following selection methods need maximum time?

a) Bulk selection   b) Mass selection   c) Pure line selection   d) Pedigree selection.

UNIT 1:

1.Which of the following is not a branch of Anthropology?

a) Biological Anthropology   b)Geology   c) Prehistoric Archaeology   d) Social Anthropology

2.Anthropology is the---

a) study of man in time   b) study of man in space   c)study of man in time and space d) study of living thing in time and space.

3------ is considered as the father of Indian Anthropology.

a) H.H.Risley b)H.D.Sankalia c)S.S.Sarkar d)Roy Bahadur S.C.Roy.

UNIT II:

4.In which of the following taxonomic order does human belong?

a)Rhodensia b)Primates c) Insectivora d) Chiroptera.

5)Which of the following primate groups belongs to Platyrrhini infraorder?

a)spider monkey b) gibbon c)macaque d)gorilla.

6.Statenment A: Dental Formula of Human is 2:1:2:3

Statement B: Dental formula of new world monkey is 2:1:3:2

a)A is true, but B is false

 b)B is true, but A is false

 c)Both A&B is true

 d)Both A and B is false

7)Gibbons belong to the family—

a)Hylobatidae b) Cebidae c)Pongidae d)Callithricidae

8. Ascertion (A):Diastema is found in Loris

Reasoning(R) :Loris have large canine teeth

a)A and R both are correct, and A is dependent upon R

b) A and R both are correct, but A is independent of R

C)Ais correct but R is incorrect

D)A is incorrect but R is correct

9.Chimpanzees are found in –

a)America b)Europe c) Asia d)Africa

10. Mental eminence is found in—

a)Human b) Gorilla c) Macaque d)Langur

11.Catarhhines can be found only in—

a)Asia b) Asia ,Europe and Africa c)North and south America d) Antarctica

12.Which of the following is not a branch of Biological anthropology?

a)Eugenics b) demography c)Human genetics d) Ethnography.

UNIT III:

13.Which of the following is not an element of social structure?

a)marriage b) clan c)inheritance d)phratry

14.Evaluation of others culture according to the standards of one's own culture is called-

a)Ethnocentrism b)Enculturation c) cultural relativism d)Culture core

15.Which of the following is not a part of material culture?

a) food b)settlement c) belief d) musical instrumemt

16. ------------- is an eminent Social Anthropologist—

a)B. Malinowski b) S.S.Sarkar c) H.D.Sankalia d) H.H.Risley

17) The smallest unit of society is _____

a) clan b) family c) moiety d) phratry

18.The process of change in culture that result from the contact of two or more cultures is called—

a) Acculturation b) Enculturation c) Diffusion d) Culture conflict

19. In which of the following tribal communities totemic clan is not found -

a) Lodha b) Bhil c) Santal d) Chenchu

20.A group of people organized for the fulfillment of specific goal is called—

a) Association b) Tribe c) Society d) Caste

21.Folklore is an example of –

a)Non material culture b) Material culture c) Religion d) Magic

UNIT IV:

22.We study the process of Hominization in –

a) Palaeoanthropology b) Linguistic Anthropology c) Economic anthropology d) Social Anthropology

23.Choose the correct sequence--

a) Gunz—Mindel_-Riss—Wurm

 b) Mindel ---Riss---Wurm—Gunz

c)Gunz—Riss—Mindel—Wurm

 d)Wurm---Mindel---Riss---Gunz

24.   A   B

   1. 1st Pluvial phase   i) Gamblian

   2. 2nd Pluvial phase   ii)   kageran

   3. 3rd pluvial phase   iii) Kamasian

   4. 4th pluvial phase   iv) Kangeran

Choose the correct option :

a)1—ii,2—iii,3---iv,4—I   b)1—I,2—ii,3—iii,4—iv   c)1—iii,2---ii,3—iv,4—I,d)1—iv,2—iii,3---i,4--ii

25.Statement A:Volcano is an evidence of Ice age.

 Statement B:Boulder and silt represent pluvial and interpluvial phase respectively.

a) Both A and B are true

b) A is true ,but B is false

c) A is false but B is true

d)Both A and B are false

26Duration of second interglacial phase was approximately

a)90000 years b)60000 years c) 240000 years d) none of these

27Choose the correct option in connection with era of earth -

a)Palaeozoic—Mesozoic---- Cenozoic b) Mesozoic –Palaeozoic---Cenozoic

c) Cenozoic—Palaeozoic---Mesozoic d) Cenozoic---Mesozoic---Paleozoic

28.The current epoch in which we live is known as_____

a)Oligocene b)Holocene C) Pleistocene d)Miocene

29. Ascertion(A) :The valley formed due to erosion of river is 'V' shaped

     Reasoning(R) :'V ' shaped valley is formed by down cutting of river

a) Both A and R are correct and A is depending upon R

 b) A is correct but R is incorrect

 c)Both A and R are correct ,but A is not dependent upon R

d)A is incorrect but R is correct

30.Primates were first appeared in—

A)Miocene b)Eocene c) Oligocene d) Pleistocene

 UNIT V:

31. The theory 'Struggle for existence' was propounded by-

a)Darwin b) Lamarck c) Landsteiner d) Galileo

32.The chromosome with centromere at the middle is called—

a)submetacentic chromosome b) metacentric chromosome c) telocntric chromosome d) acrocentric chromosome

33.PTC tasting ability of human is a-

a)sex chromosomal recessive trait b) autosomal dominant trait c) autosomal recessive trait d) Y chromosomal trait

34 Ascertion (A).The O blood group is called 'Universal donor'

Reasoning(R): There are no antigens present in red cell surface in O blood group

a) A an R are correct and A is dependent on R

b) B) A and r is correct,but A is not dependent upon R

c) A is correct but R is incorrect

d) A is incorrect but R is correct

35.The type of antibodies present in the plasma of AB blood group is—

a) anti-A b) anti-B c) anti -A and anti -B d) Nil

A. Short answer type : 2 Marks

Unit –I

Q,1. Mention the position of atlas and talus in the human skeleton.

OR

What is knuckle walking and among whom it is noticed?

Unit –II

Q.2. Mention the scientific names of Java and Peking man.

OR

Who is known as the 'Old man of Cro Magnon?'

Unit –III

Q.3. What is "three age paradigm?"

OR

What is 'pressure flaking technique?'

Unit –IV

Q.4. Who are considered as Particular Vulnerable Tribal Groups and why?

OR

Mention any two traditional features of Tribe.

Unit –V

Q.5. What is clan? Mention its two features.

OR

Define social stratification with example.

B. Broad answer type : 5 Marks

Unit –I

Q.1. Mention the name, number and position of bones that constitute the human skull.

OR

Briefly describe the evolutionary trends of the Primates.

UNIT - II

Q.2. Who are Protohominids? Mention the features of LUCY variety. 2+3

OR

Write briefly the features and phylogenetic position of Cro Magnon man. 3+2

UNIT – III

Q.3. Briefly describe the tool making techniques of Lower Palaeolithic culture.

OR

Why Neolithic culture is termed as 'Revolutionary period?'

UNIT - IV

Q.4. Classify the Indian tribal population based on their geographical distribution.

OR

Mention the constitutional provisions and safeguards for Indian Tribal populations.

Unit –V

Q.5. Mention the salient features of caste system in India. Differentiate caste from that of class.

OR

What is the present situation of caste system in India?

Model question Paper - II

1.কোন ধরনের কম্পিউটার দেশ জুড়ে বিস্তৃত ব্যাঙ্কিং সহ বিভিন্ন বানিজ্যিক প্রতিষ্ঠানে ব্যবহৃত হয়?

A) মাইক্রো-কম্পিউটার

B) মিনি-কম্পিউটার

C) মেইনফ্রেম-কম্পিউটার

D) সুপার কম্পিউটার

2. কম্পিউটারের কোন অংশকে কম্পিউটারের মস্তিষ্ক বলে?

A) মেমোরি ইউনিট

B) ইনপুট ইউনিট

C) আউটপুট ইউনিট

D) সি.পি.উ.

3. দ্রুত কার্য সম্পাদনের ভিত্তিতে নিম্নলিখিত মেমোরি ইউনিট গুলিকে অধঃ ক্রমানুসারে সাজাও:

1. মেমোরি রেজিস্টার

2. ক্যাশে (Chache) মেমোরি

3. প্রাইমারি মেমোরি

4. সেকেন্ডারি মেমোরি

A) 4, 1, 2, 3
B) 1, 2, 3, 4
C) 4, 2, 1, 3
D) 1, 3, 4, 2

4.বিবৃতি (A): RAM থেকে ডেটা পড়া ও লেখা নিয়ন্ত্রণ করে কন্ট্রোল ইউনিট।

কারণ (R): কন্ট্রোল ইউনিট কম্পিউটারের সকল কাজ নিয়ন্ত্রণ করে।

উপরের বিবৃতি(A) ও কারণ (R)এর জন্য নিম্নের চারটি অপশনের মধ্যে কোনটি সঠিক নির্ধারণ কর।

A) A এবং R উভয়ই সত্য এবং R, A এর সঠিক বর্ণনা।

B) A এবং R উভয়ই সত্য কিন্তু R, A এর সঠিক বর্ণনা নয়।

C) A মিথ্যা, কিন্তু R সত্য।

D) A এবং R উভয়ই মিথ্যা।

5. 'ক'-স্তম্ভের সাথে 'খ'-স্তম্ভ মেলাও:

স্তম্ভ - ক	স্তম্ভ - খ
1. স্ক্যানার	A. আউটপুট ইউনিট
2. উ.এস্.বি. পেন ড্রাইভ	B. প্রাইমারি মেমোরি
3. প্লটার	C. ইনপুট ইউনিট
4. পি.আর.ও.এম	D. সেকেন্ডারি মেমোরি

A) 1-C, 2-D, 3-A, 4-B
B) 1-A, 2-C, 3-B, 4-D
C) 1-D, 2-A, 3-C, 4-B
D) 1-B, 2-D, 3-A, 4-C

6. $(1011101)_2$ সংখ্যাটিকে অক্টাল সংখ্যা পদ্ধতিতে পরিবর্তন কর।

    A) 561
    B) 135
    C) 151
    D) 175

7. ডি-মরগ্যানের সূত্রানুসারে $\overline{(a + b)} =$ _____।(শূণ্যস্থান পূরণ কর)

    A) $\overline{a} + \overline{b}$
    B) $a.b$
    C) $\overline{a}.\overline{b}$
    D) $\overline{(a.b)}$

8. বিবৃতি (A): 1010 হল একটি হেক্সা-ডেসিমাল সংখ্যা।

কারণ (R): 0 ও 1 হল হেক্সা-ডেসিমাল সংখ্যা পদ্ধতির বৈধ ডিজিট (digit)।

উপরের বিবৃতি (A) ও কারণ (R) এর জন্য নিম্নের চারটি অপশনের মধ্যে কোনটি সঠিক নির্ধারণ কর।

    A) A এবং R উভয়ই সত্য এবং R, A এর সঠিক বর্ণনা।

B) A এবং R উভয়ই সত্য কিন্তু R, A এর সঠিক বর্ণনা নয়।

C) A মিথ্যা, কিন্তু R সত্য।

D) A এবং R উভয়ই মিথ্যা।

9. $(59.F)_{16} = (?)_8$
   A) 134.17
   B) 541.71
   C) 131.74
   D) 561.47

10. বিবৃতি (A): NANDকে ইউনিভার্সাল গেট বলে।

কারণ (R): যে কোন বেসিক গেটকে NANDদ্বারা প্রতিস্থাপন করা যায়।

উপরের বিবৃতি(A) ও কারণ (R)এর জন্যনিম্নের চারটি অপশনের মধ্যে কোনটি সঠিক নির্ধারণ কর।

   A) A এবং R উভয়ই সত্য এবং R, A এর সঠিক বর্ণনা।

   B) A এবং R উভয়ই সত্য কিন্তু R, A এর সঠিক বর্ণনা নয়।

   C) A মিথ্যা, কিন্তু R সত্য।

   D) A এবং R উভয়ই মিথ্যা।

11. নিম্নের বিবৃতি দুটির সাপেক্ষে, নিম্নের চারটি অপশনের মধ্যে কোনটি সঠিক নির্ধারণ কর।

বিবৃতি 1:নেটওয়ার্কে ডেটা আদান-প্রদানের সময়সংযোগকারী মাধ্যমের প্রয়োজন হয় না।

বিবৃতি 2: অনিয়ন্ত্রিত সংযোগকারী মাধ্যমে ডেটা একটি নির্দিষ্ট দিকে প্রবাহিত হয়।

   A. বিবৃতি 1 সত্য কিন্তু বিবৃতি 2 মিথ্যা।

   B. বিবৃতি 1 মিথ্যা কিন্তু বিবৃতি 2 সত্য।

   C. বিবৃতিদুইটি সত্য।

   D. বিবৃতিদুইটি মিথ্যা।

12. বিবৃতি (A): দুটি দুরবর্তী স্থানের কম্পিউটারকে তথ্য আদান-প্রদানের জন্যযুক্ত করতে মোডেম ব্যবহত হয়।

কারণ (R):একইমোডেমে মডিউলেশন ও ডি-মডিউলেশন সম্পন্ন হয়।

   উপরের বিবৃতি(A) ও কারণ (R)এর জন্য নিম্নের চারটি অপশনের মধ্যে কোনটি সঠিক নির্ধারণ কর।

   A) A এবং R উভয়ই সত্য এবং R, A এর সঠিক বর্ণনা।

   B) A এবং R উভয়ই সত্য কিন্তু R, A এর সঠিক বর্ণনা নয়।

   C) A মিথ্যা, কিন্তু R সত্য।

   D) A এবং R উভয়ই মিথ্যা।

13. আই.এস.পি (ISP) কথাটির পূর্ণ রূপকি ?

   A. ইন্ট্রানেট সার্ভিস প্রোভাইডার

B. ইন্টারনেট সিস্টেম প্রোটকল

C. ইন্টারনেট সার্ভিস প্রোভাইডার

D. ইন্ট্রানেট সিস্টেম প্রোটকল

14. নিম্নের কোনটি ইন্টারনেট পরিসেবার সাথে সম্পর্কিত?

A. নেটওয়ার্ক অফ নেটওয়ার্ক।

B. ব্যক্তিগত মালিকানাধীন নয়।

C. A ও B উভয়ই সম্পর্কিত।

D. A ও B কোনটিই সম্পর্কিত নয়।

15. 'ক'-স্তম্ভের নেটওয়ার্ক প্রসেসর গুলি 'খ'- স্তম্ভের O.S.I রেফারেন্স মডেলের স্তরগুলির সাথে মেলাও -

স্তম্ভ – ক	স্তম্ভ – খ
1. গেটওয়ে	A. ফিজিক্যাল লেয়ার
2. ব্রীজ	B. নেটওয়ার্ক লেয়ার
3. রুটার	C. ডেটালিঙ্ক লেয়ার
4. রিপিটার	D. অ্যাপ্লিকেশণ লেয়ার

A. 1-B, 2-D, 3-A, 4-C
B. 1-D, 2-C, 3-B, 4-A
C. 1-B, 2-A, 3-D, 4-C
D. 1-D, 2-B, 3-C, 4-A

16. নিম্নের বিবৃতি দুটির সাপেক্ষে, নিম্নের চারটি অপশনের মধ্যে কোনটি সঠিক নির্ধারণ কর।

বিবৃতি 1:কম্পিউটার সুষ্ঠভাবে পরিচালনার ক্ষেত্রে হার্ডওয়্যার ও সফ্টওয়্যার পরস্পরের পরিপূরক হিসাবে কাজ করে।

বিবৃতি 2: কম্পিউটারের হার্ডওয়্যারে বিভিন্ন সময়ে বিভিন্ন সফ্টওয়্যার চলনা করা যায় না।

A. বিবৃতি 1 সত্য কিন্তু বিবৃতি 2 মিথ্যা।

B. বিবৃতি 1 মিথ্যা কিন্তু বিবৃতি 2 সত্য।

C. বিবৃতিদুইটি সত্য।

D. বিবৃতিদুইটি মিথ্যা।

17. 'ক'-স্তম্ভের সিস্টেম-আইকন গুলির সাথে 'খ'- স্তম্ভের সিস্টেম-আইকন গুলির কাজ মেলাও -

স্তম্ভ – ক	স্তম্ভ – খ
1. This Pc	A. ওয়েব ব্রাউজিং শুরু করতে।
2. Control Panel	B. ইহার সাহায্যে কম্পিউটারের বিভিন্ন রিসোর্স গুলির মধ্যে সহজে ব্রাউজ করা যায়।
3. Recycle Bin	C. কম্পিউটারের বিভিন্ন রিসোর্সের কাজ নিয়ন্ত্রন ও পর্যবেক্ষণ করা।
4. Microsoft Edge	D. মুছে ফেলা ফাইল ও ফোল্ডারকে সাময়িক ভাবে সঞ্চয় করা।

    A. 1-B, 2-C, 3-D, 4-A
    B. 1-C, 2-D, 3-A, 4-B
    C. 1-A, 2-B, 3-C, 4-D
    D. 1-D, 2-A, 3-B, 4-C

18. নিম্নলিখিত কোনটি একটি ফাইল বা ফোল্ডারকে রিনেম (Rename) করার সঠিক পদ্ধতি ?

   1. নির্দিষ্ট ফাইল/ফোল্ডার সিলেক্ট করা → ফাইল মেনু → রিনেম

   2. নির্দিষ্ট ফাইল/ফোল্ডারে রাইট-ক্লিক্ করা → কন্টেক্সট মেনু → রিনেম

   3. কি-বোর্ডের F_2 ফাংশন বোতাম

   4. উপরের সবকয়টি অপশন্

     A. 1
     B. 2
     C. 3
     D. 4

19. নিম্নের কোনটি অপারেটিং সিস্টেমের প্রাথমিক কাজ নয় ?

     A. ডেটাবেস ম্যানেজমেন্ট

     B. ফাইল ম্যানেজমেন্ট

     C. প্রসেসর ম্যানেজমেন্ট

     D. মেমোরি ম্যানেজমেন্ট

20. নিম্নের কোনটি লিনাক্স অপারিটিং সিস্টেমের উপর নির্ভরশীল নয়?

     A. ফেডোরা

B. অ্যান্ড্রয়েড

C. ম্যাক- ও.এস্.

D. কোনাটিই নয়

21. নিম্নের বিবৃতি দুটির সাপেক্ষে, নিম্নের চারটি অপশনের মধ্যে কোনটি সঠিক নির্ধারণ কর।

বিবৃতি 1: হাই-লেভেল ল্যাঙ্গুয়েজে প্রোগ্রামিং কম্পিউটারের গঠনের উপর নির্ভর করে।

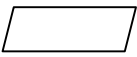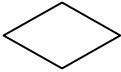বিবৃতি 2: লো-লেভেল ল্যাঙ্গুয়েজে প্রোগ্রামিং কম্পিউটারের গঠনের উপর নির্ভর করে না।
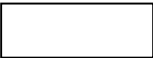
    A. বিবৃতি 1 সত্য কিন্তু বিবৃতি 2 মিথ্যা।

    B. বিবৃতি 1 মিথ্যা কিন্তু বিবৃতি 2 সত্য।

    C. বিবৃতিদুইটি সত্য।

    D. বিবৃতিদুইটি মিথ্যা।

22. 'ক'-স্তম্ভের প্রোগ্রামিং ল্যাঙ্গুয়েজ গুলির সাথে 'খ'- স্তম্ভের ব্যবহৃত অনুবাদক সফ্টওয়্যার গুলি মেলাও –

স্তম্ভ - ক	স্তম্ভ - খ
1. পাইথন	A. কম্পাইলার ও ইন্টারপ্রিটার
2. C ++	B. ইন্টারপ্রিটার
3. জাভা	C. কম্পাইলার

    A. 1-C, 2-A, 3-B
    B. 1-A, 2-C, 3-B
    C. 1-B, 2-C, 3-A
    D. 1-C, 2-B, 3-A

23. 'ক'-স্তম্ভের ফ্লোচার্টে ব্যবহৃত চিহ্ন গুলির সাথে 'খ'- স্তম্ভের কাজ গুলি মেলাও –

স্তম্ভ - ক	স্তম্ভ - খ
1.	A. প্রসেস বক্স
2.	B. ডিসিসন বক্স
3.	C. সাবরুটিন কল বক্স
4.	D. ইনপুট-আউটপুট বক্স

A. 1-B, 2-A, 3-C, 4-B
B. 1-B, 2-C, 3-D, 4-A
C. 1-A, 2-B, 3-C, 4-D
D. 1-C, 2-D, 3-B, 4-A

24. নিম্নের কোনটি মেশিন লেভেল ল্যাঙ্গুয়েজের সুবিধা নয়?

A. সোর্সকোড সরাসরি 0 ও 1 ব্যবহার করে লেখা হয়।

B. প্রোগ্রাম খুব দ্রুত এক্সিকিউট করা সম্ভব।

C. অনুবাদক সফ্টওয়্যার ব্যবহারের প্রয়োজন হয় না।

D. উপরের কোনটিই নয়।

25. অবজেক্ট-ওরিয়েন্টেড প্রোগ্রামিং এর বৈশিষ্ট্য নয় কোনটি?

A. ইনহেরিটেন্স

B. পলিমরফিজম

C. এনক্যাপসুলেশন

D. প্রসেস

26. পাইথন ব্যবহার ও তার সোর্সকোড দেখার জন্য কোন স্বত্বাধিকারের প্রয়োজন হয়না কারণ পাইথন হল -

A) ফ্রি ও ওপেন সোর্স

B) ওপেন সোর্স

C) ফ্রিওয়্যার

D) শেয়ারওয়্যার

27. এদের মধ্যে কোনটি পাইথন IDE নয় ?

A) IDLE
B) স্পাইডার
C) জুপিটার নোটস্
D) সাবলাইম টেক্সট

28. নীচের কোনগুলি পাইথনে বিভিন্ন ডেটাটাইপের ডেটা সঞ্চয় করতে পারে ?

1. List
2. ndarray
3. tuple
4. dataframe

A) 1, 2

B) 1, 3

C) 2, 3, 4

D) 1, 3, 4

29. পাইথন প্রোগ্রামে যে সকল ডেটা-আইটেমের মান পরিবর্তনশীল নয় তাদের বলে ।

     A) আইডেন্টিফায়ার

     B) কিওয়ার্ড

     C) ফাংশন

     D) লিটেরালস্

30. বিবৃতি (A): পাইথন হল একটি ক্রস-প্লাটফর্ম ল্যাঙ্গুয়েজ।

কারণ (R):পাইথন ল্যাঙ্গুয়েজ সোর্সপ্রোগ্রাম সহ ফ্রি তে পাওয়া যায়।

    উপরের বিবৃতি(A) ও কারণ (R)এর জন্য নিম্নের চারটি অপশনের মধ্যে কোনটি সঠিক নির্ধারণ কর ।

    A) A এবং R উভয়ই সত্য এবং R, A এর সঠিক বর্ণনা ।

    B) A এবং R উভয়ই সত্য কিন্তু R, A এর সঠিক বর্ণনা নয়।

    C) A মিথ্যা, কিন্তু R সত্য ।

    D) A এবং R উভয়ই মিথ্যা ।

31. Input() দ্বারা ডেটা পড়ার পর _____ ডেটাটাইপ পাইথন রিটার্ন করে।

    A) ইন্টেজার

    B) স্ট্রিং

    C) ফ্লোটিংপয়েন্ট

    D) কোনটিই নয়

32. পাইথন প্রোগ্রামে, ভেরিয়েবেলে প্রথমে যে ডেটা টাইপের মান সঞ্চয় করা হয়, পরবর্তী সময়ে ভিন্ন ডেটা টাইপের মানও সেই ভেরিয়েবেলে সঞ্চয় করা যায়। এই ঘটনাকে বলে ___

    A) মিউটাবিলিটি

    B) স্ট্যাটিক টাইপিং

    C) ডাইনামিক টাইপিং

    D) ইমিউটাবিলিটি

33. 'ক'-স্তম্ভের স্টেটমেন্ট গুলির সাথে 'খ'- স্তম্ভের আউটপুট গুলি মেলাও -

স্তম্ভ - ক	স্তম্ভ - খ
A) 100 / 25	1) 4
B) 100 // 25	2) 4.0
C) 5 and 10	3) 0
D) 0 or 10	4) 10

   A. A-3, B-4, C-1, D-2
   B. A-3, B-1, C-4, D-2
   C. A-2, B-1, C-4, D-3
   D. A-1, B-4, C-2, D-3

34. range(3)ফাংশনের সমতুল্য ফাংশন হল -

      A) range(1,3)
      B) range(0,3)
      C) range(0,3,1)
      D) range(1,3,0)

35. ডিরেক্টরিস্ হল পাইথনের _____ ডেটাটাইপ।

      A) মিউটেবল

      B) ইমিউটেবল

      C) প্রিমিটিভ

      D) সবকয়টি

CLASS -XI
MODEL QUESTION.
SUBJECT: APPLICATIONS OF AI (APAI)
SEMESTER:1
FULL MARKS: 35

1. Which type of computer is known for its ability to handle very large-scale computations and is used in scientific research and weather forecasting?
   A) Microcomputer
   B) Mini Computer
   C) Mainframe Computer
   D) Supercomputer

2. Which unit of a computer performs arithmetic and logical operations and controls the operations of the other units?
   A) Memory Unit
   B) Input Unit
   C) Output Unit
   D) Central Processing Unit (CPU)

3. Arrange the following steps in the correct order for data flow in a computer system:
   1. Data is fetched from memory.
   2. The CPU processes the data.
   3. The processed data is sent to an output device.
   4. Data is transferred to RAM from storage.

   A) 4, 1, 2, 3
   B) 1, 2, 3, 4
   C) 4, 2, 1, 3
   D) 1, 3, 4, 2

4. In the block diagram of Processor to I/O Devices communication, what is the role of the I/O Controller?
   A) To manage the data transfer between CPU and Memory
   B) To perform arithmetic operations
   C) To facilitate communication between the CPU and external I/O devices
   D) To control the system bus

5. Match the following components with their respective functions:

Column A	Column B

1. ALU (Arithmetic Logic Unit)	A. Manages data flow in and out of the CPU
2. RAM (Random Access Memory)	B. Stores programs and data currently in use
3. Control Unit	C. Performs arithmetic and logical operations
4. I/O Controller	D. Directs operations of the processor

A) 1-C, 2-B, 3-D, 4-A
B) 1-A, 2-C, 3-B, 4-D
C) 1-D, 2-A, 3-C, 4-B
D) 1-B, 2-D, 3-A, 4-C

6. Convert the binary number 101011 to its decimal equivalent.
    A) 43
    B) 45
    C) 53
    D) 55

7. According to De Morgan's theorem, the complement of the expression A.B is equivalent to:

    A) A' + B'
    B) A'B'
    C) A + B
    D) A'B

8. Assertion (A): The output of an XOR gate is true when both inputs are the same.
  Reason (R): XOR gate outputs true only when the inputs are different.

    A) Both A and R are true, and R is the correct explanation of A.
    B) Both A and R are true, but R is not the correct explanation of A.
    C) A is true, but R is false.
    D) A is false, but R is true.

9. What is the decimal equivalent of the hexadecimal number 1A?
    A) 26
    B) 27
    C) 28
    D) 29

10. Assertion (A): The output of an XOR gate is true when both inputs are the same.
Reason (R): XOR gate outputs true only when the inputs are different.
Options:

A) Both A and R are true, and R is the correct explanation of A.
B) Both A and R are true, but R is not the correct explanation of A.
C) A is true, but R is false.
D) A is false, but R is true.

11. Consider the following two statements:

Statement 1: A Local Area Network (LAN) covers a small geographic area such as a single building.
Statement 2: A Wide Area Network (WAN) typically covers a larger geographic area, potentially across cities or countries.

A. Statement 1 is true; Statement 2 is false.
B. Statement 1 is false; Statement 2 is true.
C. Both statements are true.
D. Both statements are false.

12. Assertion (A): A Network Interface Card (NIC) is necessary for a computer to communicate over a network.
Reason (R): NIC provides the hardware interface between a computer and a network.

A. Both A and R are true, and R is the correct explanation of A.
B. Both A and R are true, but R is not the correct explanation of A.
C. A is true, but R is false.
D. A is false, but R is true.

13. Which of the following network devices operates at the network layer of the OSI model?
A. Hub
B. Switch
C. Router
D. Repeater

14. Which network type is typically used to connect devices within a single building?
A. WAN
B. LAN
C. MAN
D. PAN

15. Network Devices and Functions (Column Matching)

Column A	Column B

1. Hub	A. Routes data packets between different networks
2. Switch	B. Operates at the physical layer and broadcasts data to all ports
3. Router	C. Regenerates and amplifies network signals
4. Repeater	D. Operates at the data link layer and forwards data to specific ports based on MAC addresses

A. 1-B, 2-D, 3-A, 4-C
B. 1-D, 2-C, 3-B, 4-A
C. 1-C, 2-A, 3-D, 4-B
D. 1-A, 2-B, 3-C, 4-D

16. Consider the following two statements:
Statement 1: Hardware refers to the physical components of a computer.
Statement 2: Software refers to the instructions and data that govern the operation of hardware.

A. Statement 1 is true; Statement 2 is false.
B. Statement 1 is false; Statement 2 is true.
C. Both statements are true.
D. Both statements are false.

17. Match the types of software in Column A with their examples in Column B.

Column A	Column B
1. Operating System	A. Photoshop
2. Utility Software	B. Windows 10
3. Application Software	C. Disk Defragmenter
4. Programming Software	D. Python

A. 1-B, 2-C, 3-A, 4-D
B. 1-C, 2-A, 3-D, 4-B

C. 1-A, 2-B, 3-C, 4-D
D. 1-D, 2-A, 3-B, 4-C

18. Arrange the following steps in creating a new folder in Windows in the correct order:

1. Select "New" from the context menu.
2. Right-click on the desktop or within a folder.
3. Name the new folder.
4. Click on "Folder" from the options.

A. 2, 1, 4, 3
B. 2, 4, 1, 3
C. 4, 2, 1, 3
D. 1, 2, 3, 4

19. What is the primary function of an operating system?
A. To manage computer hardware and software resources
B. To perform specific user tasks
C. To connect to the internet
D. To create documents

20. Which of the following is NOT a type of system software?
A. Operating System
B. Utility Software
C. Word Processor
D. Device Drivers

21. Consider the following two statements:
● Statement 1: High-level languages are closer to human languages and are easier to understand.
● Statement 2: Machine language is the only language directly understood by computers.

A. Statement 1 is true; Statement 2 is false.
B. Statement 1 is false; Statement 2 is true.
C. Both statements are true.
D. Both statements are false.

22. Match Column A with their characteristics in Column B.

Column A	Column B
1. High-level Language	A. Uses mnemonics and requires an assembler

2. Assembly Language	B. Executed directly by the computer's CPU
3. Machine Language	C. Uses syntax similar to human languages

- A. 1-C, 2-A, 3-B
- B. 1-A, 2-C, 3-B
- C. 1-B, 2-A, 3-C
- D. 1-C, 2-B, 3-A

23. Match the following programming languages with their types.

Column A	Column B
1. C	A. Object-oriented
2. Java	B. Procedural
3. Python	C. Both procedural and object-oriented
4. BASIC	D. Interpreted language

A. 1-B, 2-A, 3-C, 4-B
B. 1-B, 2-C, 3-D, 4-A
C. 1-A, 2-B, 3-C, 4-D
D. 1-C, 2-D, 3-A, 4-B

24. What is a high-level programming language?
A. A language that directly executes on the CPU
B. A language that uses mnemonic codes
C. A language closer to human languages
D. A language that requires assembly

25. What is the primary characteristic of object-oriented programming?
A. Use of procedures
B. Use of objects and classes
C. Use of functional programming
D. Use of low-level operations

26. How do you comment on a single line in Python?
    A) //
    B) /*
    C) #
    D) "'

27. What is the correct syntax to create a list in Python?
    A) list = {}
    B) list = ()
    C) list = []
    D) list = <>

28. Match the Python library with its description:

Library   Description

A) Numpy	1) Data manipulation and analysis
B) Pandas	2) Numerical computations
C) OpenCV	3) Natural Language Processing
D) NLTK	4) Computer Vision

        A. A-4, B-3, C-2, D-1
        B. A-2, B-1, C-4, D-3
        C. A-2, B-4, C-1, D-3
        D. A-1, B-2, C-3, D-4

29. Which of the following statements is true about lists and tuples in Python?

        A) Both are mutable
        B) Both are immutable
        C) Lists are mutable, tuples are immutable
        D) Lists are immutable, tuples are mutable

30. Assertion (A): Python supports multiple programming paradigms.
    Reason (R): Python is a versatile language that can be used for web development, data analysis, machine learning, and more.
        A) Both A and R are true, and R is the correct explanation of A

B) Both A and R are true, but R is not the correct explanation of A
C) A is true, but R is false
D) A is false, but R is true

31. Which function is used to read input from the user in Python?
    A) input()
    B) print()
    C) read()
    D) scanf()

32. Which of the following is a conditional statement in Python?
    A) for
    B) while
    C) if
    D) def

33. Match the operator with its description:

Operator	Description
A) +	1) Multiplication
B) -	2) Division
C) *	3) Addition
D) /	4) Subtraction

    A. A-3, B-4, C-1, D-2
    B. A-3, B-1, C-4, D-2
    C. A-2, B-4, C-1, D-3
    D. A-1, B-2, C-3, D-4

34. Which of the following data types is immutable in Python?
    A) List
    B) Dictionary
    C) Set
    D) Tuple

35. How do you define a function in Python?
    A) function myFunction():

B) def myFunction():
C) func myFunction():
D) define myFunction():

Model Question Paper forXI
Semester-I
Arabic (New Syllabus)
MCQ
(40 Marks)
UNIT-I (Prose)

1. **Find out the correct answer out of the options given against each question:**
   1x10=10

i)   What is the meaning of طَيْرٌ ?
      a) Bird   b) Tree   c) Elephant   d) Cow

ii)   Kamil Kilani was born in…….
      a) Egypt   b) Makkah   c) Syria   d) India

iii) Abu Seer was a ……………
      a) Carpenter   b) Barber c) Painter d) Farmer

iv)   Who wrote the story أبو صير و أبو قير ?
      a) Taha Hussain b) Kamil Kilani   c) Sami Atif Al Jain   d) Manfaluti

v)   Abul Hasan Ali Al Nadwi belongs to …………….
      a) India   b) Iraq   c) Saudi Arabiah   d) Egypt

vi)   Who wrote the book اَلْقِرَأَةُ الرَّاشِدَةُ ?
      a) Abul Hasan Ali Al Nadwi   b) Kamil Kilani   c) Sami Atif Al Jain d) Manfaluti

vii) Who wrote the story مَنْ يَضَعُ الْحَجَرُ ?
      a)Abul Hasan Ali Al Nadwi   b) Kamil Kilani   c) Sami Atif Al Jain d) Manfaluti

viii) In which year was Abul Hasan Ali Al Nadwi born ?
      a) 1926 b) 1913 c) 1930 d) 1940

ix)   What is the meaning of فِيْلٌ ?
      a) Bird   b) Tree   c) Elephant   d) Cow

x)   Who was Abraha ?
      a)King of Egypt b) King of Yeamen c)King of Syria d) King of Makka

UNIT-II (Poetry)

2. **Find out the correct answer out of the options given against each question:**
   1x10=10

i)   What is the meaning of اَلْهَلَالُ ?
      a)The Crescent b) The sky c) The sun   d) The earth

ii)   Umayya bin Abi Sult was born in …………
      a) Taif   b) Makkah c) Syria d) Basra

iii) Mahmoud Darwish belongs to ?

a) Jahili Period   b) Abbasid Period c) Modern Period   d) Islamic Period

iv) Who wrote the poem اَلْبِنْتُ ?

a) Ilia Abu Madi   b) Umayya bin Abi Salt

c) Ahmad Shawqi   d) Mahmoud Darwish

v) Who was known as أَمِيْرُالشُّعَرَاءِ؟

a) Hassan bin Thabit   b) Umayya bin Abi Salt

c) Ahmad Shawqi   d) Mahmoud Darwish

vi) لَوْلاَ التُّقَى لَقُلْتُ لَمْ يَخْلُقْ سِوَاكَ الْوَلَدَا

Who wrote this verse?

a) Hassan bin Thabit   b) Umayya bin Abi Salt

c) Ahmad Shawqi   d) Mahmoud Darwish

vii) Who wrote the poem فِيْ صَفَةِ اللهِ تَعَالَى؟

a) Hassan bin Thabit   b) Umayya bin Abi Salt

c) Ahmad Shawqi   d) Mahmoud Darwish

viii) Mahmoud Darwish was born in.......?

a) Egypt b) Lebanon c) Syria d) India

ix) What is the plural of نَجْمٌ؟

a)نجوم (b نجام c) نجام (d أنجوم

x) Ahmad Shawqi was born in ....

a) Egypt   b) Lebanon   c) Syria d) India

UNIT-III (History of Arabic Literature)

3. **Find out the correct answer out of the options given against each question:**
   1x10=10

i) What was the real name of Imraul Qais ?

a)جندح بن حجر الكندي   b) جندح بن حسن الكندي

c)جندح بن أوس الكندي   d)جندح بن حسين الكندي

ii) Hassan bin Thabit was born in …………

a) Taif b) Makkah c) Madinah d) Kufa

iii) تماضر بنت عمرو was known as ………………

a)الخنساء b)الحسناء c الحمراء (d سوداء

iv) What was the full name of Zuhair bin Abi Sulma?

a)أبو مالك غياث بن غوث b)همام بن غالب

c)زهير بن أبي سلمى ربيعة بن رباح المزني المضري (d حسن بن غالب

v) Zuhair bin Abi Sulma was born in …………

a) Taif b) Makkah c) Gatfan d) Madinah

vi) Antara bin Saddad belongs to ……………

a) Banu Tamim b) Banu Sa'd c) Banu Abs d) Bnu Qrais

vii) Who was known as شَاعِرُ الرَّسُوْلِ؟

a) Hassan bin Sabit   b) Zuhair bin Abi Sulma   c) Khansa   d) Imraul Qais

viii)   Who was a female poet among the following?

a) Hassan bin Sabit   b) Zuhair bin Abi Sulma   c) Khansa   d) Imraul Qais

ix)   اَلْمَلِكُ الضِّلِّيْلُ was nickname of ....

a) Hassan bin Sabit   b) Zuhair bin Abi Sulma   c) Imraul Qais   d) Khansa

x)   Who said this? "أَسَلُّكَ مِنْهُم كَمَا تُسَلُّ الشَّعْرَةُ مِنَ الْعَجِيْنِ"

a) Hassan bin Sabit   b) Zuhair bin Abi Sulma   c) Khansa   d) Imraul Qais

UNIT-IV (Grammar)

4. Find out the correct answer out of the options given against each question: 1x5=5

i)   أ- و - ي .... are

a) حروف العلة   b) صحيح   c) معتل   d) مضاعف

ii)   The word مَدْرَسَةٌ is ....

a)مذكر   b) مؤنث   c)معرفة   d) مضاعف

iii)   أَحْمَدُ is the example of ....

a)نكرة   b) مؤنث   c)معرفة   d) مضاعف

iv)   أَقْلاَمٌ is the plural of ....

a)قلم   b)أقلم   c)قلام   d) قلوم

v)   اَلْبَيْتُ كَبِيْرٌ This is the example of ....

a) المبتدأ و الخبر   b)   المبتدأ و الخبر   (c الموصوف و الصفة   d) المضاف و المضاف إليه   نكرة

UNIT-V (Translation)

5. Find out the correct answer out of the options given against each question: 1x5=5

i)   What is the meaning of اَلْكِتَابُ ?

a) The book   b) A book   c) This book   d) A pen

ii)   "The house is small" Translation of this sentence in Arabic is ....

a)البيت صغير   b) البيت الصغير   c) بيت صغير   d) الفصل صغير

iii)   What is the meaning of طَاوِلَةٌ صَغِيْرَةٌ?

a) A broken table   b)The broken table   c) The table is broken   d) A broken house

iv)   What is the meaning of مدرسة?

a)A school   b) The School   c)This school   d) a house

v)   سَيَّارَةُ رَاشِدٍ Translation of this sentence is ....

a)Car of Rashid   b) Book of Rashid   c) Pen of Rashid   d) house of Rashid

==

একাদশ শ্রেনি

প্রথম সেমিস্টার

(নমুনা প্রশ্নপত্র)

বাংলা সংস্করণ

আরবি (নতুন পাঠ্যক্রম)

এমসিকিউ

(৪০নম্বর)

বিভাগ-ক

(গদ্য)

1. বিকল্প উত্তরগুলির মধ্যে থেকে সঠিক উত্তরটি বেছে নিয়ে লেখো :১x১০ = ১০

i) طَيْرٌ শব্দের অর্থ কি?

a) পাখি b) গাছ c) হাতি d) গরু

ii) কামিল কিলানি জন্মগ্রহণ করেন ……………………

a) মিশর b) মক্কা c) সিরিয়া   d) ভারত

iii) আবু সীর ছিলেন ………

a) ছুতার b) নাপিত c) চিত্রশিল্পী d)চাষি

iv) أبوصيروأبوقير গল্পটি কে লিখেছেন?

a) তাহা হুসাইন   b) কামিল কিলানি

c) সামি আতিফ আল জেইন   d)মানফালুতি

v) আবুল হাসান আলী আল নদভী……………… এর মানুষ ছিলেন।

a) ভারত b) ইরাক c) সৌদি আরব d)মিশর

vi) اَلْخُلَفَاءُ الرَّاشِدُةُ গ্রন্থটি কে লিখেছেন?

a) আবুল হাসান আলী আল নদভী   b) কামিল কিলানি

c) সামিআতিফ আল জৈন   d)মানফালুতি

vii) مَنْ يَضَعُ الْحَجَر গল্পটি কে লিখেছেন?

a) আবুল হাসান আলী আল নদভী   b) কামিল কিলানি

c) সামিআতিফ আল জৈন   d)মানফালুতি

viii) আবুল হাসান আলী আল নদভী কত সালে জন্মগ্রহণ করেন?

a) ১৯২৬ b) ১৯১৩ c) ১৯৩০ d) ১৯৪০

ix) فِيْلٌ শব্দের অর্থ কি?

a) পাখি b) গাছ c) হাতি d) গরু

x) আবরাহা কে ছিলেন?

a) মিশরের রাজা   b) ইয়েমেনের রাজা   c) সিরিয়ার রাজা   d) মক্কার রাজা

বিভাগ-খ

(কবিতা)

2. বিকল্প উত্তরগুলির মধ্যে থেকে সঠিক উত্তরটি বেছে নিয়ে লেখো:১x১০ = ১০

i) الْهِلَالُ শব্দের অর্থ কি?

a) অর্ধচন্দ্র   b) আকাশ   c) সূর্য   d) পৃথিবী

ii) উমাইয়া বিন আবিসালত জন্মগ্রহণ করেন …………

a) তায়েফ b) মক্কা c) সিরিয়া d) বসরা

iii) মাহমুদ দারবীশ ………… যুগের কবি।

a) জাহিলি যুগ   b) আব্বাসীয় যুগ   c) আধুনিক যুগ   d) ইসলামি যুগ

iv) الْبِنْتُ কবিতাটি কে লিখেছেন?

a) ইলিয়া আবু মাদি b) উমাইয়া বিন আবি সালত c) আহমদ শওকী d) মাহমুদ দারবীশ

v) أَمِيْرُالشُّعَرَاء নামে কে পরিচিত ছিলেন?

a) হাসান বিন ছাবিত b) উমাইয়া বিন আবি সালত c) আহমদ শওকী d) মাহমুদ দারবীশ

vi)   لَوْلَا التُّقَى لَقُلْتُ لَمْ يَخْلُقْ سِوَاكَ الْوَلَدَا

এই চরণটি কে লিখেছেন?

a) হাসান বিন ছাবিত b) উমাইয়া বিন আবি সালত c) আহমদ শওকী d) মাহমুদ দারবীশ

vii) فِي صَفَةِاللهِ تَعَالَى কবিতাটি কে লিখেছেন?

a) হাসান বিন ছাবিত b) উমাইয়া বিন আবি সালত c) আহমদ শওকী d) মাহমুদ দারবীশ

viii) মাহমুদ দারবীশ জন্মগ্রহণ করেন…………?

a) মিশর b) লেবানন c) সিরিয়া d) ভারত

ix) نَجْمٌ-এর বহুবচন কী?

a) نجوم b) أنجام) c أنجام d) نجوم

x) আহমদ শওকী জন্মগ্রহণ করেন …………

a) মিশর b) মক্কা c) সিরিয়া d) ভারত

বিভাগ-গ

(আরবি সাহিত্যের ইতিহাস)

3. বিকল্প উত্তরগুলির মধ্যে থেকে সঠিক উত্তরটি বেছে নিয়ে লেখো : ১x১০ = ১০

i) কবি ইমরাউল কাইসের আসল নাম কি ছিল?

a) جندح بن حجرالكندي   b) جندح بن حسن الكندي

c) جندح بن أوس الكندي   d) جندح بن حسين الكندي

ii)কবি হাসান বিন ছাবিত জন্মগ্রহণ করেন............

a) তায়েফ b) মক্কা c) মদিনা d)কুফা

iii) تماضرينت عمرو................. নামে পরিচিত ছিলেন |

a) الخنساء   b) الحسناء   c) الحمراء   d)سوداء

iv)জুহাইর বিন আবিসুলমার পুরো নাম কি ছিল?

a)همام بن غالب   b) أبو مالك غياث بن غوث

c)زهيرين أبي سلمى ربيعة بن رباح المزني المضري   d) حسن بن غالب

v) জুহাইর বিন আবি সুলমা জন্মগ্রহণ করেন ....

a) তায়েফ b) মক্কা c) গাতফান d)মদিনা

vi) আন্তারা বিন সাদ্দাদ ....গোত্রে।

a) বনু তামিম b) বনু সা'দ c) বনু আবস d) বনু কুরাইশ

vii) شَاعِرُالرَّسُوْلِ নামে কে পরিচিত ছিলেন?

a) হাসান বিন সাবিত b) জুহাইর বিন আবিসুলমা c) খানসা d)ইমরাউল কাইস

viii) নিম্নলিখিত কবিদের মধ্যে নারী কবি কে ছিলেন?

a) হাসান বিন সাবিত b) জুহাইর বিন আবিসুলমা c) খানসা d)ইমরাউল কাইস

ix) الْمَلِكُ الضِّلِّيْلُ ডাকনাম ছিল........ এর।

a) হাসান বিন সাবিত b) জুহাইর বিন আবিসুলমা c) ইমরাউল কায়স d)খানসা

x)"أَسَلُّكَ مِنْهُم كَمَا تُسَلُّ الشَّعْرَةُ مِنَ الْعَجِيْنِ" উক্তিটি কে বলেছে?

a) হাসান বিন সাবিত b) জুহাইর বিন আবিসুলমা c) খানসা d)ইমরাউলকাইস

বিভাগ-ঘ

(ব্যাকরণ)

4. বিকল্প উত্তর গুলির মধ্যে থেকে সঠিক উত্তরটি বেছে নিয়ে লেখো :১x৫=৫

i) ي - و -أ...

a) الحروفالعلة (b) صحيح c)معتل(d)مضاعف

ii) مدرسة শব্দটি হল ....

a) مذكر   b) مؤنث   c) معرفة   d)مضاعف

iii) أحمد হল .... এর উদাহরণ।

a) نكرة   b) مؤنث   c) معرفة   d)مضاعف

iv) أقلام হল .... এর বহুবচন।

a)قلم   b) أقلم c) قلم   d)قلوم

v) اَلْبَيْتُ كَبِيْرٌ এটি .... এর উদাহরণ।

a)المبتدأوالخبر b) الموصوفوالصفة c) المضاف والمضاف إليه d)نكرة

বিভাগ-ঙ

(অনুবাদ)

5. বিকল্প উত্তরগুলির মধ্যে থেকে সঠিক উত্তরটি বেছে নিয়ে লেখো :১x৫=৫

i) اَلْكِتَابُ অর্থ কি?

a) বই b)একটি বই c) এইবইটি d)একটি কলম

ii) "ঘরটি ছোট" আরবীতে এই বাক্যটির অনুবাদ হল ....

a)البيت الصغير b)البيت صغير c) بيت صغير d)الفصل صغير

iii) طَاوِلَةٌمَكْسُوْرَةٌ এর অর্থ কি?

a) একটি ভাঙা টেবিল   b) ভাঙা টেবিলটি   c) টেবিলটি ভেঙে গেছে d)একটি ভাঙা বাড়ি

iv) مَدْرَسَةٌ অর্থ কি?

a) একটি বিদ্যালয়   b) বিদ্যালয়   c) এই বিদ্যালয়টি   d)একটি বাড়ি

v) سَيَّارَةُرَاشِدٍ এই বাক্যটির অনুবাদ হল ....

a) রাশিদের গাড়ি b) রাশিদের বই c) রাশিদের কলম d)রাশিদের বাড়ি

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CLASS -XI
MODEL QUESTION.
SUBJECT: ARTIFICIAL INTELLIGENCE (ARTI)
SEMESTER:1
FULL MARKS: 35

1. The brain of the computer, which performs calculations and tasks, is known as the _____.
   - A) Memory
   - B) Hard Drive
   - C) CPU
   - D) Monitor
2. The operating system that is commonly used in mobile devices is _____.
   - A) Linux
   - B) Windows
   - C) Android
   - D) MacOS
3. Arrange the following in the correct order of a typical network communication process:
   1. Data is sent from the sender to the receiver.
   2. Data is converted into packets.
   3. Packets are routed through network devices.
   4. The receiver reassembles the data from packets.
   - A) 1, 2, 3, 4
   - B) 2, 3, 4, 1
   - C) 1, 3, 2, 4
   - D) 2, 1, 3, 4
4. In networking, a _____ is a protocol used to assign IP addresses dynamically to devices on a network.
   A) DNS
   B) DHCP
   C) FTP
   D) HTTP
5. Match the following types of computers with their descriptions.

Type of Computer	Description
1. Workstation	A) A compact and portable personal computer.
2. Desktop	B) A powerful computer designed for technical applications.
3. Smartphone	C) A personal computer designed for regular use at a single location.

4. Embedded System	D) A computer system with a dedicated function within a larger mechanical or electrical system.

A) 1-a,2-b,3-c,4-d
B) 1-b,2-c,3-a,4-d
C) 1-d,2-a,3-c,4-b
D) 1-c,2-b,3-d,4-a

6. Assertion: In Boolean algebra, the AND operator returns true only if both operands are true. Reasoning: The OR operator returns true if at least one operand is true.

A) Both assertion and reasoning are true, and reasoning is the correct explanation of assertion.

B) Both assertion and reasoning are true, but reasoning is not the correct explanation of assertion.

C) Assertion is true, but reasoning is false.

D) Assertion is false, but reasoning is true.

7. What is the hexadecimal equivalent of the decimal number 255?

A) 0xFF
B) 0xFE
C) 0xF0
D) 0x100

8. In the binary number system, what is the result of the operation 1010 XOR 1100 XOR 1010 ?

A) 0110
B) 1110
C) 1000
D) 0010

9. Which of the following ASCII codes represents the character 'A'?

A) 65
B) 66
C) 67
D) 68

10. What is the result of the binary addition of 1011 and 1101?

A) 11000
B) 10100
C) 10110
D) 11100

11. Which of the following is a high-level programming language?

A) Machine Language
B) Assembly Language
C) C++
D) Binary Code

12. A compiler is used to:
  A) Execute code line by line
  B) Translate high-level language into machine code
  C) Translate machine code into high-level language
  D) None of the above

13. Match the following:

1. C++ -	a. Interpreted Language
2. Python -	b. Compiled Language
3. FORTRAN -	c. Compiled Language
4. JavaScript -	d. Interpreted Language

A) 1-b, 2-a, 3-c, 4-d
B) 1-a, 2-b, 3-c, 4-d
C) 1-c, 2-d, 3-b, 4-a
D) 1-b, 2-d, 3-a, 4-c

14. Which of the following is a key feature of Object-Oriented Programming?
  A) Sequence
  B) Functions
  C) Classes and Objects
  D) Loops

15. Which of the following statements is true?
  A) Assembly language is easier to understand than machine language.
  B) High-level languages are less abstract than assembly language.
  C) Machine language is composed of symbols and mnemonics.
  D) Assembly language is a type of high-level language.

16. Which of the following is a valid Python dictionary?
  A) {1, 2, 3}
  B) [1, 2, 3]
  C) (1, 2, 3)
  D) {'name': 'John', 'age': 30}

17. How do you create a class in Python?

a) class MyClass {}
b) class MyClass:
c) MyClass class:
d) new class MyClass

18. Which of the following is true about Python classes?
A) A class is a blueprint for creating objects.
B) A class cannot contain methods.
C) Objects of the same class have different attributes.
D) A class is used to execute functions.

19. Arrange the following steps to create and use a function in Python:
a) Define the function
b) Call the function
c) Write the function body
d) Use the def keyword

20. Given the following code, what will be the output?

```
def recursive_sum(n):
   if n == 1:
      return 1
   else:
      return n + recursive_sum(n-1)

print(recursive_sum(5))
```

a) 15
b) 10
c) 5
d) 1

21. What is the main characteristic of a stack?
a) First-In-First-Out
b) Last-In-First-Out
c) Random Access

d) Priority-based Access

22. In a binary tree, each node can have at most:

a) 1 child
b) 2 children
c) 3 children
d) 4 children

23. What does the peek operation do in a stack?
a) Removes the top element
b) Returns the top element without removing it
c) Adds an element to the top

d) Checks if the stack is empty

24. Which of the following pairs is correctly related?
    a) arr.append(5) -> Adds 5 to the beginning of the array
    b) stack.pop() -> Removes the bottom element from the stack
    c) queue.dequeue() -> Removes the last element from the queue
    d) arr[2] -> Accesses the third element in the array

25. Match the following NumPy functions with their purposes:

Column A	Column B
a) ndim()	1) Data type of elements
b) shape()	2) Number of dimensions
c) dtype()	3) Shape of the array
d) arrange()	4) Evenly spaced values

    A) a-1,b-2,c-3,d-4
    B) A-2,b-3,c-1,d-4
    C) A-4,b-3,d-2,c-1
    D) a,-3b-2,c-1,d-4

26. Which of the following operations is used to add an element to a queue?
    a) Push
    b) Pop
    c) Enqueue
    d) Dequeue

27. Which of the following is a necessary condition for binary search to work correctly?
    a) The array must be unsorted.
    b) The array must be sorted in descending order.
    c) The array must be sorted in ascending order.
    d) The array must contain unique elements only.

28. Which of the following is true about bubble sort?
    a) It is the most efficient sorting algorithm.

b) It repeatedly steps through the list, compares adjacent elements, and swaps them if they are in the wrong order.

c) It uses a divide-and-conquer approach to sort the elements.

d) It can only sort arrays with unique elements.

29. If an array is already sorted, what is the best-case time complexity of bubble sort?

a) O(nlog n)

b) O(n^2)

c) O(n)

d) (O(1)

30. What is the time complexity of linear search in the worst case scenario?

a) O(log n)

b) O(n)

c) O(n^2)

d) O(1)

31. If the order of matrix A is 4x3, order of matrix B is 4x5 and order of matrix C is 7x3, then what is the order of $(A^T B)^T C^T$ is

a. 5 x 3

b. 4 x 5

c. 5 x 7

d. 4 x 3

32. If A= [0 1 1 0], then is A^4 is

a) [1 0 0 1]

b) [1 1 0 0]

c) [0 0 1 1]

d) [0 1 1 0]

33. Arithmetic mean of 10,15,X,20,30 is 20. Find out the value of X.

a) 10

b) 15

c) 5

d) 25

34. What is the distance between the points (2, –1, 3) and (–2, 1, 3)?

a) 2√5

b) 25

c) √5

d) 4√5

35. Find the median of 36, 72, 46, 42, 60, 45, 53, 46, 51, 49.

a) 42

b) 45

c) 45.5

d) 47.5

CLASS -XI
MODEL QUESTION.
SUBJECT: CYBER SECURITY (CBST)
SEMESTER:1
FULL MARKS: 35

1. What is a key feature that distinguishes quantum computers from classical computers?
    a) Use of vacuum tubes
    b) Use of transistors
    c) Use of integrated circuits
    d) Use of qubits and principles of quantum mechanics

2. In the context of memory hierarchy, which of the following sequences correctly represents the order of access speed from fastest to slowest?
    a) Registers, Cache, RAM, Hard Disk
    b) Cache, Registers, RAM, Hard Disk
    c) RAM, Cache, Registers, Hard Disk
    d) Registers, RAM, Cache, Hard Disk

3. Considering the interconnections within a computer system, which bus is responsible for carrying the addresses of data from the CPU to the memory and I/O devices?
    a) Data Bus
    b) Address Bus
    c) Control Bus
    d) System Bus

4. Which encoding scheme uses a 7-bit binary number to represent each character and is commonly used in text files?
    a) EBCDIC
    b) ASCII
    c) UTF-8
    d) Unicode

5. Convert the binary number 110101 to its hexadecimal equivalent.
    a) 35
    b) 2D
    c) 1A
    d) 1B

6. Convert the hexadecimal number 1C3 to its decimal equivalent.
    a) 451
    b) 355

c) 467
d) 291

7. Which statement best differentiates data from information?
   a) Data is meaningful, while information is not
   b) Data is organized and processed, while information is raw and unprocessed
   c) Data is raw and unprocessed, while information is processed and meaningful
   d) Data and information are the same and can be used interchangeably

8. Match the roles/functions of an Operating System with their descriptions:

Role/Function	Description
a) Process Management	i) Handles allocation and deallocation of memory
b) Memory Management	ii) Manages file storage and retrieval
c) File System	iii) Coordinates execution of multiple processes
d) Device Management	iv) Manages input/output operations and devices

   a) a-ii, b-i, c-iii, d-iv
   b) a-iii, b-ii, c-i, d-iv
   c) a-iii, b-i, c-ii, d-iv
   d) a-iv, b-i, c-iii, d-ii

9. Rearrange the following steps in process lifecycle:
   1. Terminated
   2. Ready
   3. Running
   4. New
   5. Waiting

   a) 1-2-3-4-5
   b) 4-2-3-5-1
   c) 3-5-4-2-1
   d) 4-5-3-1-2

10. Match the DBMS concepts with their descriptions:

Concept	Description

a) Database	i) A tool used to interact with a database using commands
b) SQL	ii) A collection of related data organized in tables
c) Table	iii) A set of records with rows and columns
d) DBMS	iv) Software for managing and manipulating databases

a) a-ii, b-i, c-iii, d-iv
b) a-i, b-ii, c-iv, d-iii
c) a-ii, b-iv, c-i, d-iii
d) a-iii, b-ii, c-iv, d-i

11. What is the primary purpose of Structured Query Language (SQL) in a DBMS?

a) To define the data structures in an operating system
b) To manage the network protocols for data communication
c) To query, update, and manage relational databases
d) To design the user interface for applications

12. Column Matching: Match the Python data type with its characteristic

Data Type	Characteristic
a) List	i) Immutable and ordered
b) Tuple	ii) Mutable and ordered
c) Set	iii) Unordered and does not allow duplicates
d) Dictionary	iv) Key-value pairs and unordered

a) a-ii, b-i, c-iii, d-iv
b) a-i, b-ii, c-iv, d-iii
c) a-ii, b-i, c-iii, d-iv
d) a-ii, b-iii, c-i, d-iv

13. Relationship between Statements: Determine the correct relationship between the statements

a) In Python, while loops are used for indefinite iteration.
b) for loops are used for iterating over a sequence of elements.

Which of the following is correct?

i) Both statements are true and related.

ii) Both statements are true but not related.

iii) The first statement is true, but the second is false.

iv) The second statement is true, but the first is false.

14. Assertion (A): A flowchart is used to visualize the steps of an algorithm.

Reason (R): Flowcharts use standard symbols to represent different types of actions and decisions.

Which of the following is true?

a) Both A and R are true, and R is the correct explanation for A.

b) Both A and R are true, but R is not the correct explanation for A.

c) A is true, but R is false.

d) A is false, but R is true

15. a) In Python, sets are used to store collections of unique items.

b) Lists in Python can contain duplicate items.

Which of the following is correct?

a) Both statements are true and related.

b) Both statements are true but not related.

c) The first statement is true, but the second is false.

d) The second statement is true, but the first is false.

16. Which Python data structure is immutable and can contain heterogeneous elements?

a) List

b) Tuple

c) Set

d) Dictionary

17. What is a defining feature of Wireless LAN (WLAN)?

a) Requires physical cables for all connections

b) Uses radio waves to connect devices wirelessly

c) Limited to connecting devices over several kilometers

d) Operates only in outdoor environments

18. Which type of cable is commonly used for high-speed data transmission in local area networks (LANs) and offers better shielding from electromagnetic interference (EMI)?

a) Unshielded Twisted Pair (UTP)

b) Shielded Twisted Pair (STP)

c) Co-axial Cable

d) Fibre Optic Cable

19. Which network device operates at the data link layer of the OSI model and is used to reduce network congestion by filtering and forwarding data packets between LAN segments?

a) Repeater

b) Hub

c) Bridge

d) Router

20. Match the following bandwidth and data transfer rate units with their corresponding values:

Column A (Unit)	Column B (Value)
a) Hz	1. Gigabits per second
b) Kbps	2. Hertz
c) Mbps	3. Kilobits per second
d) Gbps	4. Megabits per second

Options:
a) a-1, b-2, c-3, d-4
b) a-2, b-3, c-4, d-1
c) a-4, b-1, c-3, d-2
d) a-3, b-4, c-2, d-1

21. Statement 1: IPv4 addresses are 32 bits in length.
Statement 2: The transition to IPv6 is necessary due to the exhaustion of IPv4 addresses.

A) Statement 1 is true; Statement 2 is false.
B) Statement 1 is false; Statement 2 is true.
C) Both statements are true, and Statement 2 is a reason for Statement 1.
D) Both statements are true, and Statement 1 is a reason for Statement 2.

22. Which of the following is NOT a characteristic of TCP?
A) Connection-oriented
B) Reliable delivery
C) Flow control
D) Connectionless

23. Match the terms in Column A with their corresponding descriptions in Column B.

Column A	Column B
1. IPv6	A. Translates domain names to IP addresses
2. ICMP	B. A unique 48-bit identifier assigned to network devices

3. DNS	C. Used to indicate network issues and diagnostics
4. MAC Address	D. A 128-bit addressing system
5. Default Gateway	E. Device connecting local network to external networks

    A) 1 - D, 2 - C, 3 - A, 4 - B, 5 - E
    B) 1 - A, 2 - D, 3 - C, 4 - B, 5 - E
    C) 1 - D, 2 - B, 3 - E, 4 - C, 5 - A
    D) 1 - E, 2 - A, 3 - C, 4 - B, 5 - D

24. What is the default subnet mask for a Class B IPv4 address?
    A) 255.0.0.0
    B) 255.255.0.0
    C) 255.255.255.0
    D) 255.255.255.255

25. What is the primary purpose of the Internet Control Message Protocol (ICMP)?
    A) To transmit data between hosts
    B) To manage error messages and operational information
    C) To establish and terminate connections
    D) To encrypt and decrypt data

26. Match the terms in Column A with their corresponding descriptions in Column B.

Column A	Column B
1. E-mail	A. The system that translates human-friendly domain names to IP addresses
2. WWW	B. A service for sending and receiving messages over the internet
3. DNS	C. A global network of documents and resources, accessed via URLs
4. SMTP	D. A protocol used to send e-mails

Options:
    1. 1 - A, 2 - B, 3 - C, 4 - D
    2. 1 - B, 2 - A, 3 - C, 4 - D

3. 1 - B, 2 - C, 3 - A, 4 - D
4. 1 - D, 2 - C, 3 - B, 4 - A

27. What is the primary function of the "Edge" layer in an IoT architecture?
   A) Data storage
   B) Data processing and analysis
   C) Data acquisition from devices
   D) User interface management

28. What type of IoT device is typically used to detect environmental changes like temperature and humidity?
   A) Actuator
   B) Sensor
   C) Gateway
   D) Router

29. Which of the following is a lightweight messaging protocol often used in IoT applications?
   A) HTTP
   B) FTP
   C) MQTT
   D) SMTP

30. Which cloud service model provides virtualized computing resources over the internet, such as virtual machines and storage?
   A) SaaS
   B) PaaS
   C) IaaS
   D) DaaS

31. Which cloud service model delivers software applications over the internet on a subscription basis, typically accessed via a web browser?
   A) SaaS
   B) PaaS
   C) IaaS
   D) MaaS

32. Column Matching

Match the terms in Column A with their corresponding descriptions in Column B.

Column A	Column B
1. Confidentiality	A. Ensures that data is protected from unauthorized modification or destruction.

2. Integrity	B. Ensures that data is accessible and usable by authorized users when needed.
3. Availability	C. Ensures that data is only accessible to those who have the right to view it.

Options:
1. 1 - A, 2 - B, 3 - C
2. 1 - C, 2 - A, 3 - B
3. 1 - B, 2 - C, 3 - A
4. 1 - C, 2 - B, 3 - A

33. What is the primary goal of information security?
    A) To ensure data availability
    B) To prevent unauthorized access and alterations
    C) To increase data processing speed
    D) To enhance user experience
34. What does data privacy refer to?
    A) Protection against data loss
    B) Control over how personal data is collected and used
    C) High availability of data
    D) Ensuring data integrity

35. **Statement 1:** Privacy refers to the control over personal data and how it is collected and used.
    Statement 2: Security involves implementing measures to protect data from unauthorized access.

    A) Statement 1 is true; Statement 2 is false.
    B) Statement 1 is false; Statement 2 is true.
    C) Both statements are true and describe different aspects of data protection.
    D) Both statements are false

CLASS -XI
MODEL QUESTION.
SUBJECT: DATA SCIENCE (DTSC)
SEMESTER:1
FULL MARKS: 35

Answer the following questions   **35*1=35**

1. The _____ is considered the brain of the computer, responsible for processing instructions.
    a) RAM
    b) CPU
    c) Hard Drive
    d) GPU

2. _____ is a type of computer designed to perform specific tasks, often found in devices like washing machines and cars.
    a) Desktop
    b) Workstation
    c) Smartphone
    d) Embedded System

3. Match the following types of networks with their descriptions:

A	Types of Networks	B	Descriptions
1	LAN	a	Covers a large geographical area, such as a city or a state.
2	WAN	b	Covers a small geographical area, such as a building or campus.
3	MAN	c	Global network connecting millions of private, public, academic, business, and government networks.
4	Internet	d	Connects networks in different cities or countries.

    a) 1-a,2-b,3-c,4-d
    b) 1-b,2-d,3-a,4-c
    c) 1-d,2-b,3-c,4-a
    d) 1-c,2-a,3-d,4-c

4. Rearrange the following steps to show the correct order of data flow in a computer system:
   1. Processing by the CPU
   2. Storage in memory
   3. Input from a device
   4. Output to a device
   a) 1,2,3,4
   b) 4,3,2,1
   c) 3,1,2,4
   d) 2,3,4,1

5. Which of the following statements correctly describe the relationship between a bit, a byte, and a word?
   a) A bit is 8 bytes, and a word is 16 bits.
   b) A byte is 8 bits, and a word is typically 16 or 32 bits depending on the system architecture.
   c) A word is 8 bits, and a byte is 16 bits.
   d) A bit is a combination of bytes, and a word is a single bit.

6. Assertion (A): In a binary number system, the base is 2.
   Reason (R): Each digit in a binary number can only be a 0 or a 1.
   a) Both A and R are true, and R is the correct explanation of A.
   b) Both A and R are true, but R is not the correct explanation of A.
   c) A is true, but R is false.
   d) A is false, but R is true.

7. Assertion (A): The AND gate outputs true only when all its inputs are true.
   Reason (R): The AND gate performs the multiplication operation on binary inputs.
   a) Both A and R are true, and R is the correct explanation of A.
   b) Both A and R are true, but R is not the correct explanation of A.
   c) A is true, but R is false.
   d) A is false, but R is true.

8. Which of the following best explains the role of an operating system in managing a computer's hardware and software resources?
   a) It primarily focuses on enhancing the graphical interface for users.
   b) It ensures that software applications can interact with hardware seamlessly.
   c) It is responsible for connecting the computer to the Internet.
   d) It manages only the input and output devices.

9. Convert the hexadecimal number $(1A3)_H$ to its binary equivalent.
   a) 0001 1010 0011
   b) 1110 1011 1100

c) 1001 1010 0011
d) 0011 1101 1010

10. If the decimal number 255 is converted to binary, what is the result?
    a) 1100 1111
    b) 1111 1111
    c) 1010 1010
    d) 1111 0000

11. Fill in the Blanks: An interpreter _____ each line of code before executing it, while a compiler _____ the entire program into machine code before execution.

    a) compiles, translates
    b) translates, compiles
    c) executes, translates
    d) debugs, executes

12. Which of the following programming languages is typically compiled rather than interpreted?
    a) Python
    b) JavaScript
    c) C++
    d) Ruby

13. Match the following types of programming paradigms with their characteristics:

A	Paradigm	B	Characteristics
1	Procedural Programming	a	Focus on objects and data encapsulation
2	Object-Oriented Programming	b	Uses functions to perform operations
3	Machine Language	c	Binary code understood by the computer
4	High-Level Language	d	Closer to human language, easier to read and write

    a) 1-a,2-b,3-c,4-d
    b) 1-b,2-a,3-c,4-d
    c) 1-d,2-c,3-d,4-a
    d) 1-c,2-d,3-a,4-b

14. Rearrange the following steps to describe the process of compiling and running a C program:

1. The compiler generates machine code.
2. The user writes source code in a high-level language.
3. The machine code is executed by the computer.
4. The compiler translates the source code into machine code.
    a) 2,4,1,3
    b) 1,2,3,4
    c) 4,3,2,1
    d) 3,2,4,1

15. Match the following types of programming concepts with their descriptions:

A	Concept	B	Description
1	Compiler	a	Translates and executes code line by line
2	Interpreter	b	Translates the entire code into machine language at once
3	Object-Oriented Programming	c	Organizes code around objects and data encapsulation
4	Procedural Programming	d	Organizes code around functions and procedures

    a) 1-a,2-b,3-c,4-d
    b) 1-b,2-c,3-d,4-a
    c) 1-b,2-a,3-c,4-d
    d) 1-c,2-d,3-d,4-a

16. Which of the following methods can be used to add an element to a set?

    a) append()
    b) insert()
    c) add()
    d) update()

17. Which of the following is the correct way to declare a dictionary in Python?
    a) dict = {"apple", "banana", "cherry"}
    b) dict = ["apple": "red", "banana": "yellow", "cherry": "red"]
    c) dict = {"apple": "red", "banana": "yellow", "cherry": "red"}
    d) dict = ("apple": "red", "banana": "yellow", "cherry": "red")

18. Which of the following is a mutable data type in Python?
    a) List

b) Tuple
c) String
d) Integer

19. **Match the following data types with their correct examples:**

Data Type	Example
A) Integer	1) 3.14
B) Float	2) "Hello"
C) String	3) 42

    a) A-3, B-1, C-2
    b) A-2, B-3, C-1
    c) A-1, B-2, C-3
    d) A-3, B-2, C-1

20. The method used to add an item to the end of a list is _____.
    a) append()
    b) insert()
    c) add()
    d) extend()

21. Which of the following is a non linear data structure?
    a) Tree
    b) Stack
    c) Array
    d) Queue

22. What is the main difference between linear and nonlinear data structures?
    a) Linear data structures can store more data than nonlinear structures.
    b) Linear data structures have elements arranged in a sequential manner, while nonlinear structures have elements arranged in a hierarchical manner.
    c) Linear data structures require more memory than nonlinear structures.
    d) Nonlinear data structures are always faster than linear structures.

23. Which operation adds an element to the end of a queue?
    a) enqueue()
    b) dequeue()
    c) push()
    d) pop()

24. Match the following NumPy functions with their descriptions:

NumPy Function	Description
A) arange()	1) Returns the number of dimensions
B) ndim()	2) Creates an array with evenly spaced values
C) dtype()	3) Returns the data type of an array

    a) A-2, B-1, C-3
    b) A-1, B-2, C-3
    c) A-3, B-1, C-2
    d) A-2, B-3, C-1

25. Fill in the blank: In a stack, the _____ operation removes the top element.

    a) push()
    b) pop()
    c) enqueue()
    d) dequeue()

26. Which condition must be met for binary search to be applicable?

    a) The list must be sorted.
    b) The list must be unsorted.
    c) The list must contain only unique elements.
    d) The list must contain only integers.

27. Which of the following scenarios is linear search most suitable for?

a) A large, sorted list.
b) A small, unsorted list.
c) A large, unsorted list.
d) A large list where each element is a complex object.

28. During the bubble sort process, what happens after each complete pass through the list?
    a) The smallest element moves to the beginning.
    b) The largest element moves to the end.
    c) The middle element moves to its correct position.
    d) The elements are reversed.

29. What is the primary advantage of binary search over linear search?
    a) It can handle unsorted data.
    b) It is faster for large datasets if the data is sorted.
    c) It requires less memory.
    d) It is easier to implement.

30. Which of the following was the first general-purpose electronic digital computer, created in the 1940s?
    a) ENIAC
    b) Mark I
    c) UNIVAC
    d) Colossus

31. What distinguishes machine learning from traditional programming?
    a) Machine learning algorithms can solve any problem without human intervention.
    b) Machine learning involves creating explicit rules to solve problems.
    c) Machine learning algorithms learn from data and improve over time.
    d) Machine learning relies solely on pre-written code and does not involve data.

32. What is the result of multiplying a matrix by the identity matrix?

    a) A zero matrix
    b) The original matrix
    c) A transposed matrix
    d) A diagonal matrix

33. If A is a 2x3 matrix and Bis a 3x2 matrix, what is the resulting dimension of A*B?
    a) 2x2
    b) 2x3
    c) 3x2
    d) 3x3

34. Which of the following is true about vectors in Euclidean space?
    a) Vectors can only exist in two dimensions.
    b) Vectors must always be unit vectors.
    c) Vectors can have any number of dimensions.
    d) Vectors cannot be represented in three dimensions.

35. In Euclidean space, what is the dot product of two orthogonal (perpendicular) vectors?

    a) Zero
    b) One
    c) The sum of their magnitudes
    d) The product of their magnitudes

    —---

ENGLISH A
(WBCHSE, New Syllabus)
Class XI
Semester I
2024
Total Marks: 40

MULTIPLE CHOICE TYPE QUESTIONS

PROSE

1. Complete each of the following sentence, choosing the correct option from the alternative provided (1x10).

i) Johnsy concluded that her heart would stop beating as soon as _____.
a) the last leaf dropped
b) the snow melted
c) the birds stop chirping
d) it started raining.

ii) Behrman died of _____.
a) malaria
b) jaundice
c) pneumonia
d) small-pox.

iii) Johnsy shared a small flat with _____.
a) Behrman
b) doctor
c) Sue
d) janitor

iv) Johnsy fell seriously ill in _____.
a) July
b) January
c) April
d) November

v) Sue anxiously looked out of the window and saw an old _____
a) grape-vine
b) money plant
c) Grass
d) ivy creeper

vi) _____ , a dentist without a degree and a very early riser, opened his office at six.
a) Aureli
b) Escobar
c) Aurelio Escovar
d) Auresco

vii) The _____ came to the dentist with a toothache.
a) Minister
b) Governor
c) Mayor
d) Police officer

viii) The dentist's son told him that if he did not take out the Mayor's tooth, he would be
_____.

a) rewarded   b) punished

c) arrested   d) shot

ix) The dentist removed the tooth without _____.

a) anesthesia   b) pain

c) medicine   d) surgery

x) As the dentist removed the tooth, he said, "Now you'll pay for our _____"

a) sins   b) twenty dead men

c) pain   d) fifty dead men

VERSE

2. Fill in the blanks, choosing the correct option from the alternative provided (1x10).

xi) 'To Autumn' is a poem of _____ by John Keats.

a) five stanzas   b) two stanzas

c) three stanzas   d) four stanzas

xii) 'To Autumn' is an _____ by John Keats.

a) Allegory   b) Ode

c) Elegy   d) Monologue

xiii) 'To Autumn' opens by addressing autumn, describing its _____ and its intimacy
with the sun.

a) abundance   b) scarcity

c) sunshine   d) heat

xiv) "And one man in his time plays many parts,

    His acts being _____."

a) nine ages   b) nine lives

c) one life   d) seven lives

xv) 'All the world's a stage' by William Shakespeare is from _____ spoken by
Jaques.

a) *As You Like It*   b) *Merchant of Venice*

c) *Hamlet*   d) *Tempest*

xvi) "The _____ shifts

    Into the lean and slipper'd pantaloon"

a) sixth age   b) last age

c) old age   d) prime age

xvii) 'In The Bazaars of Hyderabad' depicts the _____ of Hyderabad.
a) bustling markets   b) supermarkets
c) night bazaar   d) evening market

xviii) "What do you weigh, O ye vendors?
            _____ and lentil and rice."
a) saffron   b) tea
c) sugar   d) spices

xix) The poem 'In the Bazaars of Hyderabad' is in the form of _____.
a) rhyming couplets   b) questions and answers
c) satire   d) elegy

xx) Sarojini Naidu wrote 'In the Bazaars of Hyderabad' in the context of the
_____
a) Swadeshi Movement   b) Partition of India
c) Festivals of India   d) Diversity

RHETORIC

3. Identify the figure of speech of the underlined part of the sentence, choosing the correct option from the alternative provided   (1x5).

i) "Season of mists and mellow fruitfulness
    Close bosom-friend of the maturing sun"
a) Metaphor   b) Personification
c) Simile   d) Irony

ii) "**All the world's a stage**,
      And all the men and women merely players;"
a) Simile   b) Transferred Epithet
c) Metaphor   d) Personification

iii) "And shining morning face, **creeping like snail**
      Unwwilling to school…"
a) Personification   b) Metaphor
c) Onomatopoeia   d) Simile

iv) "Bells for the feet of blue pigeons

Frail as a dragon-fly's wings"

a) Simile   b) Metaphor

c) Irony   d) Personification

v) "Turning again toward childish treble**, pipes**

   And whistles in his sound."

a) Metaphor   b) Personification

c) Simile   d) Onomatopoeia

NON-TEXTUAL GRAMMAR

4. Complete the given paragraph by choosing the correct option from the alternative provided in parenthesis (1x5).

i) I wish he _____ there. He could have helped us   **(is/was).**

ii) No sooner had I reached the railway station _____ the train left **(than/when).**

iii) I don't know what they were arguing _____ , I could hear their angry voices **(about/over).**

iv) Neither did he come to school _____ did he inform me about his absence **(or/nor).**

v) 'Will you visit the doctor today?' I asked. She replied she would _____to the doctor later **(go/went)**.

READING COMPREHENSION

5. Read the given passage and then complete the given paragraph by filling in the blanks, choosing the correct option from the alternative provided (1x10).

Optimism is usually defined as a belief that things will go well. But that's incomplete. Sensible optimism is a belief that the odds are in favor, and over time things will balance out to a good outcome even if what happens in between is filled with misery. An in fact you know it will be filled with misery. You can be optimistic that the long-term trajectory is up and to the right, but equally sure that the road between now and then is filled with landmines, and always will be. Those two things are not mutually exclusive.

The idea that something can gain over the long run while being a basket-case in the short run is not intuitive, but it's how a lot of things work in life. By age 20 the average person can lose roughly half the synaptic connections they had in their brain at age two, as inefficient and redundant neural pathways are cleared out. But the average 20-year-old is much smarter than the average two-years old. Destruction in the face of progress is not possible but an efficient way to get rid of excess.

i) The passage tries to draw attention to the use of the word **(a)_____ (optimism/pessimism).** Usually associated with the belief that everything will go well, the passage suggests that such definition is usually **(b) _____ (complete/incomplete).** It is however, suggested in the passage that **(c) _____ (sensible/foolish)** optimism is a belief that probably the outcome will be determined by the **(d) _____ (even/odds)** which are in one's favour. Therefore, one can hope that despite **(e) _____ (landmines/flowers)** in the road between now and then, the **(f) _____ (short-term/long-term)** trajectory will be **(g) _____ (wrong/right).** The passage asserts that the path chosen at a certain moment and the long term trajectory are not mutually **(h) _____ (exclusive/inclusive).** It is further elaborated that the average 20-year-old is much **(i) _____ (smarter/ ridiculous)** than the average two-years-old. It is therefore deduced that destruction in the face of progress is an **(j) _____ (efficient/inefficient)** way to get rid of excess.

NEPALI-B (NEPB)

CLASS XI

पहिलो अर्द्धवार्षिक पाठ्यावधि वा सत्र (First Semester)

Class XI Semester 1 Topics, [MCQ], Marks : 40

Sl. No.	Topics	Marks allotted
1.	गद्य	10 x 1 = 10
2.	पद्य	10 x 1 = 10
3.	व्याकरण र रचना	20 x 1 = 20

१. **छिमेकी** (कथा)   -गुरुप्रसाद मैनाली

२. **वर्षा** (कविता)   -पारसमणि प्रधान

३. **उत्सर्ग** (कविता)   -लक्खीदेवी सुन्दास

४. **व्याकरण र रचना**   -पर्यायवाची शब्द, विपरीतार्थी शब्द, अनेकार्थी शब्द,

श्रुतिसमभिन्नार्थी शब्द, सार शब्द, उखान, तुक्का, वाग्धारा,

-कारक, लिङ्ग, वचन

-वर्ण विन्यास (हिज्जे वा वर्तनी)

तल दिइएका प्रश्नहरूका सही उत्तर छानेर लेख्नुहोस्:-   (१x४०=४०)

१. 'गाउँको बुज्रुक हुँ भन्ने घमण्ड गर्थे।' -गाउँको बुज्रुक हुँ भन्ने घमण्ड कसले गर्थे?

   (A) सदानन्द   (B) धर्मानन्द पाध्ये

   (C) धनजिते   (D) गुमाने

२. 'बिउ नोकसान गरेको छ भने अर्मल -ली।'- 'अर्मल' शब्दको अर्थ हो -

   (A) पैसा नोक्सानीको हर्जना   (B) सुन चोरेको हर्जना

   (C) बाली नोक्सानीको हर्जना   (D) गाडी नोक्सानीको हर्जना

३. "छिमेकीमा यो बिजोक भैरहेछ, क्यै काम नपाएर जान्छु अब भारी खेप्न।'

  - यस वाक्यका वक्ता को हुन्?

   (A) धनजिते   (B) गुमाने

   (C) आशामरु   (D) धर्मानन्द

४. 'अमृत रोपेको ठाउँमा विष फलेको कतै सुनेका छौ?' यो कसको भनाइ हो?

   (A) गुमाने   (B) धनजिते

   (C) आशामरु   (D) काले

५. 'मो मार्छ कि कान्छ, तो कैले आइस्?' -प्रस्तुत वाक्यमा कान्छा को हुन्?

   (A) रामे   (B) श्यामे

   (C) गुमाने   (D) धनजिते

६. 'तिम्रो जस्तो ढुङ्गाको मन कहाँ पाऊँ?' -यहाँ कसको मन ढुङ्गाको छ भनिएको छ?

   (A) गुमानेको   (B) धनजितेको

   (C) आशामरुको   (D) आमाको

७. 'छिमेकी' कथाका कथाकार को हुन्?

   (A) पारसमणि प्रधान   (B) गुरुप्रसाद मैनाली

   (C) लक्ष्मीप्रसाद देवकोटा   (D) लक्खीदेवी सुन्दास

८. 'धनजिते र गुमानेको बोलचाल बन्द भो।'

   -कहिलेदेखि गुमाने र धनजितेको बोलचाल बन्द भो?

   (A) पैसा चोरेदेखि   (B) चौतारामा झगडा भएदेखि

   (C) स्कुलमा फेल भएदेखि   (D) बिमारी भएदेखि

९. 'गाई बाख्रा फोएर पाखातिर लगाइदियो।'- 'फोएर' शब्दको अर्थ के हो?

   (A) फुकाएर   (B) बाँधेर

   (C) हेरेर   (D) किनेर

१०. "किन मुख छोड्छस्, ए धनजिते डाँकु।' भनेर हात मिलिहाल्यो।"
    -हात मिसिहाल्ने मानिस को थियो?

   (A) धनजिते   (B) आशामरु

   (C) गुमाने   (D) कालेको बाबु

११. 'वर्षा' कविताका कवि को हुन्?

    (A) पारसमणि प्रधान   (B) लक्खीदेवी सुन्दास

    (C) गुरुप्रसाद मैनाली   (D) नरेन्द्रप्रसाद कुमाई

१२ 'झार पात अति सुन्दर हरियो।

    जहाँ तहाँ अब देखिन थाल्यो।'

    - प्रस्तुत पद्यांश कुन कविताबाट निकालिएको हो?

    (A) वर्षा   (B) बादल

    (C) हरियाली   (D) सुन्दरी

१३. 'भयो जहाँ नभ केही अँध्यारो।

    जलका धारा वर्षन थाले।' –'नभ' शब्दको अर्थ के हो?

    (A) आकाश   (B) वर्षा

    (C) नयाँ   (D) हलो

१४. पारसमणि प्रधानको जन्म कहाँ भएको थियो?

    (A) नेपालमा   (B) कालेबुङमा

    (C) सिक्किममा   (D) आसाममा

१५. 'उत्सर्ग' कविताका कवि को हुन्?

    (A) अगमसिंह गिरी   (B) धरणीधर कोइराला

    (C) पारसमणि प्रधान   (D) लक्खीदेवी सुन्दास

१६. 'कहीँ कसैले छद्य भेषमा

    तिम्रो इतिहास लेख्दैछ।' -प्रस्तुत पद्यांश कुन कवितावाट लिइएको हो?

    (A) वर्षा   (B) नयाँ वर्ष

    (C) उत्सर्ग   (D) छोरोलाई।

१७. 'वसुधैव कुटुम्बकम्' मन्त्र लिई,

    रगत पसिना एक गराई।'- 'वसुधैव कुटुम्बकम्' शब्दको अर्थ के हो

    (A) विश्वका सबै मेरा परिवार हुन् भन्ने भाव

    (B) विश्वका सबै मेरा शत्रु हुन् भन्ने भाव

    (C) विश्वका सबै मेरा मालिक हुन् भन्ने भाव

    (D) विश्वका सबै मेरा कोही पनि होइनन् भन्ने भाव

१८. लक्ष्मीदेवी सुन्दासलाई सन् २००१ मा 'आहत अनुभूति'-का निम्ति कुन पुरस्कारले सम्मानित गरिएको थियो?

(A) भानुभक्त पुरस्कार
(B) साहित्य अकादेमी पुरस्कार
(C) प्रज्ञा पुरस्कार
(D) अगमसिंह गिरी पुरस्कार

१९. 'यसैले तिम्रो त्याग, तिम्रो बलिदान

नगण्य होइन, नचुक्ने होइन।'– यस पद्यांशका कवि को हुन्?

(A) भानुभक्त
(B) लक्ष्मीप्रसाद देवकोटा
(C) लक्ष्मीदेवी सुन्दास
(D) अगमसिंह गिरी

२०. 'हर्ष अगाडि अमर्ष पछाडि

गराउँछ, वर्षा, यो छ उदेक।'   –'उदेक' शब्दको अर्थ के हो?

(A) अचम्म
(B) अवस्था
(C) अत्याचार
(D) अचेत

२१. उल्टो अर्थ दिने शब्दलाई के भनिन्छ?

(A) पर्यायवाची शब्द
(B) अनेकार्थी शब्द
(C) विपरीतार्थक शब्द
(D) सार शब्द

२२. 'अमृत'-को विपरीतार्थक शब्द हो -

(A) अन्त्य
(B) अनुज
(C) विष
(D) हानि

२३ 'संयोग'-को विपरीतार्थक शब्द हो -

(A) वियोग
(B) सुयोग
(C) महायोग
(D) सहयोग

२४. धेरै शब्दहरूका सट्टामा प्रयोग हुने शब्दलाई के भनिन्छ?

(A) अनेकार्थी शब्द
(B) पर्यायवाची शब्द
(C) विपरीतार्थक शब्द
(D) सार शब्द

२५. तत्काल कविता लेख्न सक्ने कविलाई के भनिन्छ?

(A) महाकवि
(B) आशुकवि
(C) खण्डकाव्यकार
(D) युग कवि

२६. 'जसलाई देख्न सकिँदैन'-को सार शब्द हो-

(A) अदृश्य

(B) असाध्य

(C) औडाहा

(D) अपरिचित

२७. तलका उखानलाई पूर्ण गर -

जो होचो उसको_____।

(A) कानमा घोचो

(B) मुखमा घोचो

(C) आँखामा घोचो

(D) झोलामा घोचो

२८. परम्पराका रूपमा रहेका लोक प्रचलित भनाइहरूलाई के भनिन्छ?

(A) उखान

(B) बखान

(C) उडान

(D) निबन्ध

२९. 'जिब्रो टोक्नु' बाग्धाराको अर्थ हो-

(A) जन्मनु

(B) मर्नु

(C) वाक्क लाग्नु

(D) झुक्याउनु

३०. तलका तुक्कालाई पूर्ण गर-

खाए पनि बाघको मुख रातै

_____।

(A) अघाए पनि बाघको मुख रातै

(B) नखाए पनि बाघको मुख रातै

(C) हेरेर पनि बाघको मुख रातै

(D) मरे पनि बाघको मुख रातै

३१. 'उदय' शब्दको विपरीतार्थक शब्द हो-

(A) व्यस्त

(B) अस्त

(C) मस्त

(D) ध्वस्त

३२. 'कसैको पक्षमा नलागेको'-को सारशब्द हो-

(A) तटस्थ

(B) पक्षपाती

(C) तदर्थ

(D) पदस्थ

३३. कुन शुद्ध रूप हो?

    (A) सूर्योदय हुनुभन्दा पहिलेको समय

    (B) सुर्योदय हुनुभन्दा पहिलेको समय

    (C) सुर्योदया हुनूभन्दा पहिलेको समय

    (D) सूर्योदय हुनुभन्दा पहीलेको समय

३४. तलका उखानलाई पूर्ण गर्नुहोस्-

        काला अक्षर _____ बराबर

    (A) बाख्रा   (B) गाई

    (C) भैसी   (D) कुकुर

३५. 'ईश्वरमा विश्वास गर्ने'-को सार शब्द हो-

    (A) नास्तिक   (B) आस्तिक

    (C) निर्थक   (D) सार्थक

३६. 'नयन' को पर्यायवाची शब्द हो-

    (A) आँखा   (B) अनल

    (C) रवि   (D) देवता

३७. 'जो कहिल्यै मर्दैन'-को सार शब्द हो-

    (A) अमर   (B) नमर

    (C) अम्बर   (D) गगन

३८. तलका वाक्यहरूमध्ये शुद्ध रूप कुन हो?

    (A) बाँदरका हातमा नरिवल   (B) बाँदरका हातमा नरीवल

    (C) बाँदरको हात नरिवल   (D) वाँदरका हातमा नरिवल

३९. 'म गर्छु आग्राका कुरा

    सम्धी गर्दछन् गाग्राका कुरा' –यसको अर्थ हो-

    (A) प्रसङ्ग बुझेर कुरा गर्नु   (B) प्रसङ्ग नबुझी कुरा गर्नु

    (C) प्रसङ्ग बुझेर पनि कुरा नगर्नु   (D) प्रसङ्ग बुझ्दै नबुझ्नु

४०. 'जिब्रो टोक्नु' वाग्धाराको अर्थ हो -

    (A) जन्मनु   (B) मर्नु

    (C) मर्दै नमर्नु   (D) बिमार हुनु।

West Bengal Council of Higher Secondary Education
MODEL QUESTION PAPER
SET-1
PERSIAN (PRSN)
CLASS- XI
SEMESTER- I

F.M : 1x40=40

1. **What did Amu Hussain have?**

   a) بلبل   b) مور   c) شغال   d) گاؤشیرده

2. **Who said this?** "نفرین بر چشمی که بی موقع بسته شود"

   a) روباه   b) خروس   c) عمو حسین   d) بلبل

3. **Who wrote the story** "سگ طمعکار"؟

   a) عطار   b) ابن یمین   c) تقی پور نامداریان   d) رضا اسماعیلی

4. **What was being celebrated by Nusherwan ?**

   a) عید الاضحی   b) نوروز   c) محرم   d) عید الفطر

5. **What did Sultan Mahmud have in his hand one day?**

   a) بشقاب   b) آینه   c) جام   d) قاسق

6. **Where did a pious man carry a bag of wheat?**

   a) خانه   b) آسیا   c) لانه   d) اطاق

7. "همیشه بهار" **was written by :**

   a) غالب   b) اقبال   c) میرزا محسن نمازی   d) نصراللہ معالی

8. **Where was Dr. Taqi Pur Namdariyan born?**

   a) هند   b) همدان   c) کراچی   d) افغانستان

9. **Who wrote ''Kalila-wa-Dimina''?**

   a) میرزا محسن نمازی   b) اقبال   c) تقی پورنامداران   d) ابوالمعالی نصراللہ

10. "طمعکار" **means :**

    a) آزمند   b) هنرمند   c) سود مند   d) باارزش

11. **Who was the father of Jami?**

    a) نظام الدین دشتی   b) سمش الدین دشتی   c) قمر الدین دشتی   d) ظفر الدین دشتی

12. **Qazi Ahmed Gaffari wrote 'Tarikh-i-Nigaristan' in :**

    a) 959 ھ   b) 951 ھ   c) 957 ھ   d) 960 ھ

13. **The daughter of Amu Hussain is :**

    a) مریم   b) زینب   c) شیرین   d) رقیه

14. " گلبانگ عشق "   was composed by :

a) ابوالقاسم حالت   b) اقبال   c) رضا اسماعیلی   d) ابن یمین

15. Where did Iqbal have the Degree of Ph.D. from?

a) دانشگاه کلکته   b) دانشگاه میونخ   c) دانشگاه دهلی   d) دانشگاه پتنه

16. Ibn-i-Yamin is famous for :

a) غزل   b) قطع   c) مثنوی   d) قصیده

17. Who wrote "کوچه های کودکی"؟

a) عطار   b) رضا اسماعلی   c) وحشت   d) اقبال

18. " کرم کتابی "   was written by :

a) اقبال   b) وحشت   c) اسماعیلی   d) عطار

19. Attar was born in :

a) نیشاپور   b) تهران   c) همدان   d) افغانستان

20. Who wrote "منطق الطیر"؟

a) سعدی   b) جامی   c) عطار   d) اقبال

21. " کوچه "   means :

a) خانه   b) قفس   c) کوی   d) آشیانه

22. The poem " مادر "   was written by :

a) ابوالقاسم حالت   b) سعدی   c) جامی   d) عطار

23. Where was Iqbal born?

a) لاهور   b) کراچی   c) کولکاتا   d) دهلی

24. Who is called " غالب دوران "؟

a) سعدی   b) وحشت   c) شمس کلکتوی   d) عطار

25. Which of the following was not written by Iqbal?

a) اسرار خودی   b) رموز بیخودی   c) منطق الطیر   d) پیام مشرق

26. In the sentence ' سیب گرد زیبا است ' The adjective ' گرد' is :

a) صفت توصیفی   b) صفت عددی   c) صفت پرسشی   d) صفت مبهم

27. Which is different from other?

a) احمد   b) صندلی   c) میز   d) قشنگ

28. In the sentence ' شیره انگور در لیوان است ' which one is مضاف الیه ؟

a) شیره   b) انگور   c) لیوان   d) است

29. Adjective is a word which qualifies :

a) فعل   b) اسم   c) فعل لازم   d) فعل متعدی

30. In the sentence " من برادر بزرگ خود را دوست دارم " the adjective is :

a) من   b) بزرگ   c) دوست   d) دارم

31. Which of the following phrases has صفت مقداری ?

a) سیب سرخ   b) پنج سیب   c) کدام کتاب   d) چند کتاب

32. A noun which comes along with adjective is called?

a) موصوف   b) صفت   c) فعل   d) ضمیر

33. Which of the following has ' صفت مبهم ' ?

a) پنج سیب خریدم   b) خانه او درطبقه دوم است   c) چند کتاب خریدم   d) سیب سرخ می خواهم

34. In the sentence " احمد از کتابخانه کتاب آورد " معرفه the is :

a) کتاب   b) احمد   c) آورد   d) کتابخانه

35. Which one is different from others?

a) رفت   b) گفت   c) آورد   d) صندلی

36. " او آمد " falls under :

a) فعل ماضی مطلق   b) فعل التزامی   c) ماضی استمراری   d) ماضی بعید

37. Which of the following is correct one?

a) من آنجا رفتم   b) من آنجا رفت   c) من آنجا خواهد رفت   d) من آنجا است

38. The translation of the sentence "I shall sit here" into Persian is :

a) من آنجا ام   b) من آنجا خواهم نشست   c) من اینجا نشسته بودم   d) من اینجا می نشستم

39. The translation of the sentence او شاد است into English is :

a) You are happy   b) He is Happy   c) We are happy   d) They are happy

40. The sentence تو می روی belongs to :

a) فعل ماضی بعید   b) فعل حال   c) ماضی قریب   d) فعل التزامی

....

CLASS XI

MODEL QUESTIONS
PSYCHOLOGY (PSYC)

SEMESTER I

MCQ

Full Marks = 35 x1 = 35

Answer the following questions by choosing the correct alternative.
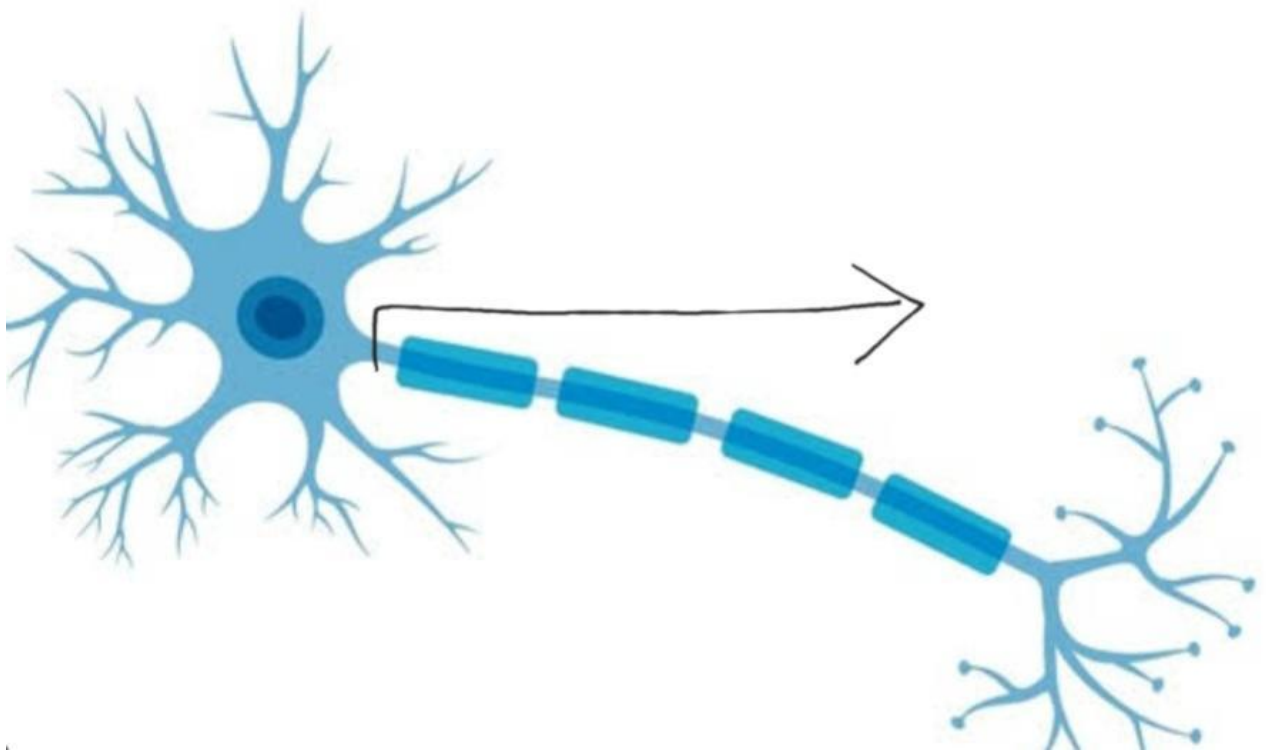
1) The first ever Psychology laboratory was established in

(a) Harvard University
(b) Calcutta University
(c) <u>Leipzig University</u>
(d) Tokyo University

2) Psychology is the science of

(a) Soul
(b) Mind
(c) Consciousness
(d) <u>Behaviour</u>

3) Which one of the following is not a method of Psychology

(a) <u>Physical Health check-up</u>
(b) Observation
(c) Case Study
(d) Experimental Method

4) Which one of the following test is not a projective technique test

(a) Childrens' Apperception Test
(b) <u>Alexander Pass Along Test</u>
(c) Rorschach ink blot Test

(d) Thematic apperception Test

5) Which one of the following is not a part of the nervous system

(a) Brain
(b) Spinal cord
(c) Heart
(d) Neuron

6) In the diagram given below label the part indicated below

(a) Cytoplasm
(b) Mitochondria
(c) Axon
(d) Dendron

7) What works according to the "All or None Principle "

(a) The nerve fibers
(b) Myeline sheath
(c) Synapse
(d) Dendrites

8) Find out which among the following is not a principle of perceptual organisation

(a) Proximity
(b) Closure
(c) Continuity
(d) Affiliation

9) Movement of a pendulum is an example of

(a)Fluctuation of attention
(b)Shift of attention
(c)Oscillation of attention
(d)Novelty of attention

10) "Bottleneck situation" is an example of

(a)Olfactory sensation
(b) Attention
(c)Monocular cues
(d)Negative after image

11) _____ is a property of chromatic colours

(a)Saturation
(b)Brightness
(c)Hue
(d)Wavelength

12) Which one of the following is not an example of special sensation

(a)Gustatory Sensation
(b)Tactual Sensation
(c)Auditory sensation
(d) Kinesthetic Sensation

!3) Thyroxine is secreted by _____ gland.

(a)Gonads
(b)Pituitary gland
(c)Thyroid gland
(d)Adrenal gland

14) Information is transmitted from one neuron to another neuron through

(a)Cell body
(b)Synapse
(c) End brush
(d)Node of Ranvier

15) _____ works as a "relay station" of nervous system.

(a)Cortical centre
(b) Cerebellum
(c)Spinal cord
(d)Medulla oblongata

16) Which one of the following is not an attribute of quantitative sensation

(a)Duration
(b)Extensity
(c)Intensity
(d) Localisation

17) Cerebrum is also known as

(a)Thalamus
(b)Cerebral cortex
(c)Limbic system
(d)Frontal lobe

18) Who is the father of Behaviourism?

(a)William James

(b)Kurt Lewin
(c)E.B. Titchener
(d)J.B. Watson

19) The method of studying own mental processes is known as

(a)Reflexion
(b) Introspection
(c)Cumulative record card
(d)Retrospection

20) The term "Free association" was coined by

(a) Alfred Adler
(b)Carl Jung
(c)Auto Rank
(d)Sigmund Freud

21) There are _____ pairs of spinal nerves.

(a)31
(b)13
(c)32
(d)33

22) According to Watson thinking is known as

(a)Vocal speech
(b)Sub-vocal speech
(c)Internal speech
(d)Formal speech

23) Research suggests that Achievement is influenced by Intelligence. Here "achievement" is an example of

(a)Latent variable
(b)Extraneous variable
(c)Independent variable
(d) Dependent variable

24) Group tests and Individual tests differs on the basis of

(a)Rate
(b)Time limit
(c) Mode of Administration
(d) Difficulty level

25) Which one of the following is not a branch of applied psychology

(a)Educational psychology
(b)Clinical psychology
(c)Child psychology
(d)Industrial psychology

26) The person who takes an interview is called

(a)Interviewer
(b)Interviewee
(c)Experimenter
(d)Respondent

27) When the same group is observed repeatedly for a long period of time, it is an example of

(a)Cross sectional study
(b)Case Study
(c)Survey Research
(d)Longitudinal study

28) "Natural striving/free will to grow" is the main theme of

(a)Psychoanalytic school
(b)Humanistic school
(c)Existential school
(d)Gestalt school

29) Which one of the following is not a basic psychological process

(a)Affection
(b)Cognition
(c)Conation
(d)Reflex action

30) A _____ is a mental representation of sensory experience.

(a)Perception
(b)<u>Image</u>
(c)Feeling
(d) Reflection

31) While solving a problem, when one gets stuck with an usual solution, it is called

(a)Set
(b)Concept
(c)<u>Functional fixedness</u>
(d) Reasoning

32) Which of the following type of reasoning begins with an assumption

(a)<u>Deductive reasoning</u>
(b)Inductive reasoning
(c)Transductive reasoning
(d) Analogy

33) In Judgement which of the following processes are not involved

(a)Opinion formation
(b)Evaluation of events
(c)Drawing conclusion
(d) <u>Influencing others</u>

34) Who proposed the concept of convergent and divergent thinking

(a)Goleman
(b)<u>Guilford</u>
(c)Paivio
(d) Tulving

35) Who proposed linguistic relativity hypothesis

(a)Vygotsky
(b)Atkinson Shiffrin
(c)Salovey and Mayer

(d) <u>Whorf</u>

Choose correct alternative

1. Professor P.C. Mahalanobis was originally a professor of
   a) Statistics   b) Mathematics   c) Physics   d) none of these

2. A large hospital and a small hospital are located in a same area. The surgery records for two hospitals are

	Died	Survived
Large research hospital	40	2110
Small hospital	23	677

   Which hospital do you prefer?
   a) Large research hospital   b) Small hospital   c) cannot be concluded because we do not consider the case – not all surgery cases are equally serious d) none of these

3. Monthly income of workers of a factory is
   a) Attribute   b) discrete variable   c) continuous variable   d) none of these

4. Proportion of girls in a class of 100 students is
   b) Attribute   b) discrete variable   c) continuous variable   d) none of these

5. Consider the following statements
   A: In case of primary data no extra precaution need to be taken to use the data
   B: Secondary data usually not enriched with detailed information
   a) Statement A is true   b) Statement B is true   c) both Statement A and Statement B is true   d) none of these

6. Consider the statement:
   "Statistical methods render valuable assistance in the analysis of time series data"

a) Above statement implies that Statistics can be applied in Business

b) Above statement implies that Statistics can be applied in Economics

c) Above statement implies that Statistics can be applied in Science

d) None of the above

7. Which one of the following is not an advantage of mail questionnaire method

a) Mail questionnaire method is economical

b) Mail questionnaire method does not require trained personnel

c) Mail questionnaire method can be applied for collecting data for all educated and non-educated persons.

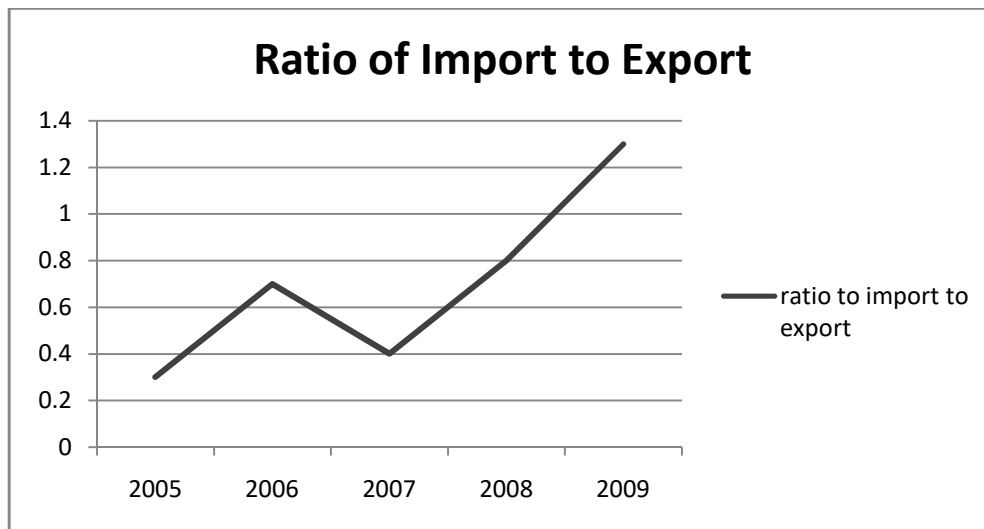d) All statements are disadvantages of mail questionnaire method.

8. "Among 2000 students of a school, 70% are Hindus, 25% are Muslims and remaining 150 students are Christians".

a) Data are consistent   b) Data are inconsistent   c) Consistent or inconsistent cannot be concluded from the given data   d)   none of these

9. The data collected from Interview method related to

a) Primary data   b) Secondary data   c) both a) and b)   d) none of these

10-13 . The following line graph gives the ratio of import to export from the company in different years

Ratio of Import to Export

——ratio to import to export

10. In which year the amount of import is equal to the amount of export?

a) 2006   b) 2007   c) 2008   d) 2009

11.   In how many years was the export is more than import?

a) 1   b) 2   c) 3   d) 4

12.   The import was minimum proportionate to the export of company in the year

a) 2005   b) 2006   c) 2007   d) 2008

13. The export was minimum proportionate to the import of company in the year

    b) 2006   b) 2007   c) 2008   d) 2009

14. Frequency densities are necessary for drawing

    a) Ogive   b) Step-diagram   c) Histogram   d) Column diagram

15. The vertical axis , in case of an ogive , shows

    a) Cumulative frequencies   b) Absolute frequencies   c) Frequency densitiesd) Class boundaries

16. To draw Ogive(greater than type), cumulative frequencies are plotted against

    a) Class – mark of the modal class   b) Lower boundary of the modal classc) Upper boundary of the modal class   d)none of these

17. If F_i, F_i' and f_i are respectively the frequencies less than type, greater than type and frequency of i-th class and N be the total frequency, then which of the following is correct

    a) $N = F_i + F_i'$ b)$N = F_i + F_i' + f_i$ c) $N = F_i + F_i' - f_i$ d) none of these

18. Graphical representation of frequency distribution in case of an attribute can be done by

    a) Bar diagram   b)Divided bar diagram   c) Pie diagram   d) all of the above

19. First Indian census took place in

    a) 1871-72   b)1890-91   c) 1931-32   d) none of these

20. Full form of RBI

    a) Railway Board of India   b) Revenue Board of India   c) Reserve Bank of India d) none of these

21. National Income of India published by

    a) NSSO   b) CSO   c) ISI   d) none of these

22. The marks of 5 students in a class test are 11, 8, 76, 10 and 15. A suitable measure of central tendency of these marks is

    a) Mean   b) Median   c) Mode   d) none of these

23. Mode depends on change of

    a) Origin only   b) Scale only   c) Both a) and b)   d) none of these

24. The mean of first n odd positive integers are

    a) n^2 b) $n + 1$ c) n d) $2n$

25. For two positive values of p and q, $(p + q)(\frac{1}{p} + \frac{1}{q})$

    a) >4   b) <4   c) ≤4   d) ≥4

26. The abscissa of the point of intersection of the less than and greater than ogives corresponds to

    a) the Mean   b) theMedian   c) the Mode   d) none of these

27. Mode of a frequency distribution can be obtained from

    a) Frequency polygon   b) Histogram   c) Ogive   d) none of these

28. The number of observations of two groups G_1 and G_2 are in the ratio 2:1 and their A.M s are 8 and 128 respectively. Then A.M of combined group is

    a) 88   b) $45\frac{1}{3}$ c) 48   d) none of these

29. If A.M and G.M of two positive real numbers are 25 and 15 respectively , there H.M is

    a) 5√5   b) 9   c) 225   d) None of these

30. A suitable average for open- ended class of a frequency distribution is

    a) Mean   b) Median   c) Mode   d) both a) and b)

31. Factor reversal test requires the condition

    a) $I_p \times I_v = I_q$ b) $I_q \times I_v = I_p$ c) $I_p \times I_q = I_v$ d)none of these

32. Weighted A.M of the price relatives can be expressed as

$$I_{01} = \frac{\sum_{i=1}^{n} \frac{p_{1i}}{p_{0i}} w_i}{\sum_{i=1}^{n} w_i}$$

From the above formula we can get Laspeyre's formula when w_i equals to

    a)$p_{0i} q_{0i}$ b) $p_{0i} q_{1i}$ c) $p_{1i} q_{0i}$ d)None of these

33. Ideal Index no. is

    a)Laspeyre's Price index   b) Paasche's Price index   c) Fisher's Price Index
    d) Marshall-Edgeworth index

34. For construction of price index numbers selection of commodities can be made by

    a) Random Sampling   b) Judgement Sampling   c) Haphazard Sampling
    d) None of these

35. Time reversal test is satisfied by

a) Laspeyre's formula   b) Paasche's formula   c) Fisher's formula
d)None of these

Class - XI
Visual Arts (Theory)
Semester - I
Full Marks - 20
MODEL QUESTION

GROUP A: UNIT I&II, INDIAN & WESTERN ART   MARKS (1×12=12)
GROUP B: CREATIVE HANDICRAFTS AND DESIGN   MARKS (1X8=8)

GROUP - A

(বহু বিকল্প ভিত্তিক প্রশ্নাবলী)

সঠিক বিকল্প নির্বাচন করো:-   **1x20 = 20**

i) মধ্যপ্রদেশের ———————— থেকে ভারতবর্ষের প্রাগৈতিহাসিক যুগের গুহাচিত্র পাওয়া গেছে।

    a)   ভীমবেটকা

    b)   যোগীমারা

    c)   বাগ

    d)   অজন্তা

ii) সিন্ধু সভ্যতা থেকে প্রাপ্ত নর্তকীর মূর্তিটি ——————— মাধ্যমে নির্মিত।

    a)   চুনাপাথর

    b)   ব্রোঞ্জ

    c)   বেলেপাথর

    d)   টেরাকোটা

iii) হরপ্পার প্রায় সব জায়গা থেকেই বেশীরভাগ ———— ভাস্কর্যগুলি পাওয়া গেছে।

    a)   গোরু

    b)   ষাঁড়

    c)   বাঘ

    d)   এক শৃঙ্গ প্রাণী

iv) সারনাথ হতে প্রাপ্ত অশোকস্তম্ভে ————— টি সিংহমূর্তি দেখা যায়।

a) এক

b) দুই

c) তিন

d) চার

v) নিম্নে প্রদত্ত বিকল্পগুলির মধ্যে কোনটি ভারতের প্রাচীনতম প্রস্তর স্থাপত্য -যা মৌর্য সম্রাট অশোক দ্বারা প্রবর্তিত হয়েছিল ?

    a)   মহাবোধী স্তূপ

    b)   সাঁচীর মহাস্তূপ

    c)   অমরাবতী স্তূপ

    d)   নাগার্জুনকোন্ডা

vi) এর মধ্যে কোন বিকল্পটির সঠিক -

    a)   যক্ষ-যক্ষিণী ভাস্কর্য - সিন্ধু উপত্যকা

    b)   কাতরা বুদ্ধ- গান্ধার

    c)   রেলিং ভাস্কর্য, ভারহুত - মায়াদেবীর স্বপ্ন

    d)   উপরে উল্লিখিত সবগুলি

vii) লাসকাউক্স গুহাটি ——------------ অবস্থিত।
    a)   স্পেন

    b)   ফ্রান্স

    c)   ইটালি

    d)   জার্মানি

viii) ভেনাস অফ উইলেনডর্ফের ভাস্কর্যটি আবিষ্কৃত হয়েছিল ——---------- সালে।

    a)   ১৯০৮

    b)   ১৯১৮

    c)   ১৯১২

d) ১৯২১

ix) মিশরের ------------- রাজবংশের আমলে বিখ্যাত খুফুর পিরামিড তৈরি করা হয়েছিল।

a) তৃতীয়

b) চতুর্থ

c) দশম

d) দ্বাদশ

x) রানী নেফারতিতির মুখাবয়েবের ভাস্কর্যটি -------------- শিল্পকলার নিদর্শন।

a) মিশরীয় যুগের

b) রোমান যুগের

c) গ্রিক যুগের

d) রেনেসাঁ যুগের

xi) প্রখ্যাত গ্রীক স্থাপত্য পার্থেনন মন্দিরের দেবী হলেন ----------------- ।

a) হারা

b) নিক্স

c) অ্যাথেনা

d) ভেনাস

xii) গ্রীক শিল্পের বিখ্যাত জিউস অফ অলিম্পিয়া মূর্তিটির স্রষ্টা হলেন _____।

a) ফিডিয়াস

b) মাইরন

c) পলিক্লেটাস

d) রোডস

GROUP - B

xiii) _____ ভাস্কর্য নির্মাণের জন্য এঁটেল মাটি প্রয়োজন।

a) ব্রোঞ্জ

b) কাঠ

c) টেরাকোটা

d) উপরের কোনোটিই নয়

xiv) মাটির ভাস্কর্য থেকে ছাঁচ প্রস্তুত করা হয় ——————— দ্বারা।

a) কাঠ

b) টেরাকোটা

c) প্লাস্টার অফ প্যারিস

d) ফাইবার

xv) সাধারণ মাটি প্রস্তুত করতে ——————— এর ব্যবহার করা হয়।

a) প্লাস্টার স্ল্যাব

b) ম্যালেট

c) কাঠের স্ল্যাব

d) এই সবকটি

xvi) পশ্চিমবঙ্গের কোন জেলাটি- মৃৎশিল্প ও মৃৎপাত্রের তৈরীর জন্য সবচেয়ে বিখ্যাত।

a) বীরভূম

b) নদীয়া

c) বর্ধমান

d) মুর্শিদাবাদ

xvii) কোলকাতার কুমোরটুলি অঞ্চলটি বিখ্যাত ——————— জন্য।

a) ডোকরা শিল্পের

b) শাঁখের কাজ

c) দেবী দুর্গার মাটির মূর্তি

d) কাঠের পুতুলের

xviii) এর মধ্যে কোনটি ডিজাইনের মূল উপাদান নয় ?

a) ভারসাম্য

b) টেক্সচার

c) ছন্দ

d) আলোছায়া

xix) লোগো ডিজাইন, ----------------- ডিজাইনের একটি অংশ।

a) টেক্সটাইল

b) ইন্টেরিয়র

c) জুয়েলারি

d) গ্রাফিক্স

xx) লোগো ডিজাইন এ ট্রাইপোগ্রাফি বলতে কী বোঝায়?

a) প্রতীক ও প্রতিমূর্তির ব্যবহার

b) বিভিন্ন টাইপ ফেসের নির্বাচন ও নকশা

c) একটি লোগোর মধ্যে উপাদান বিন্যাস

d) একটি লোগোতে ব্যবহৃত একটি রংয়ের বিন্যাস

(ENGLISH VERSION)
(Multiple Choice Type Questions)

GROUP - A
Choose the correct answer:-   **1x20 = 20**

i) Cave paintings from the prehistoric era of India have been found at —-----------, in Madhya Pradesh.

a) Bhimbetka

b) Jogimara

c) Bagh

d) Ajanta

ii) The sculpture of the dancing girl found in the Indus Valley civilization was made of ------------- .

    a) Limestone

    b) Bronze

    c) Sand Stone

    d) Terracotta

iii) Most of the sculptures of _____ have been found on almost all the Harappan sites.

    a) Cow

    b) Bull

    c) Tiger

    d) Unicorn

iv) _____ Lion figures can be found in the Ashokan pillar from Sarnath .

    a) one

    b) Two

    c) Three

    d) Four

v) Which of the following is the oldest stone architecture in India and was commissioned by the Mauryan king Ashoka?

    a) Mahabodhi Stupa

    b) The great Stupa at Sanchi

    c) Amaravati Stupa

    d) Nagarjunakonda Stupa

vi) Which of these alternatives is correct.

    a) Yaksha-Yakshini sculpture - Indus Valley

    b) Katra Buddha - Gandhara

    c) Railing sculpture, Bharhut - Queen Maya's Dream

    d) All of the above

vii) Lascaux cave is located in ——------------ .

    a) Spain

    b) France

    c) Italy

    d) Germany

viii) The sculpture of 'Venus of Willendorf' was discovered in ——---------- .

    a) 1908

    b) 1918

    c) 1912

    d) 1921

ix) During the ——------ dynasty, the renowned Khufu's pyramid was built in Egypt.

    a) 3rd

    b) 4th

    c) 10th

    d) 12th

x) The portrait sculpture of Queen Nefartriti was made in ——-------------- art.

    a) Egyptian

    b) Roman

    c) Greek

    d) Renaissance period

xi) ——------------ is the goddess of the famous Greek Temple architecture, 'Parthenon'

    a) Hara

    b) Nyk

    c) Athena

    d) Venus

xii) The eminent statue of Zeus of Olympia was created by —----------- .

    a) Phidias

    b) Myron

    c) Polykleitos

    d) Rhodes

GROUP -B

xiii) Clayey clay is required to make sculptures in —-------------- medium.

    a) Bronze

    b) Wood

    c) Terracotta

    d) None

xiv) —---------------- is used to make mould from clay.

    a) Wood

    b) Terracotta

    c) Plaster of Paris

    d) Fibre

xv) —--------------------- is required to prepare common clay.

    a) Plaster slab

    b) Mallet

    c) Wooden slab

    d) All the above

xvi) Which district of West Bengal is famous for clay art and clay pottery?

    a) Birbhum

    b) Nadia

    c)Burdwan

    d) Murshidabad

xvii) Kumartuli area of Kolkata is famous for —------------ .

   a) Dokra art

   b) Conch shell work

   c) Clay idols of Devi Durga

   d) Wooden dolls

xviii) Which of these is not a key element of design?

   a) Balance

   b) Texture

   c) Rhythm

   d) Light and Shade

xix) Logo design is the part of —---------- design.

   a) Textile

   b) Interior

   c) Jewellery

   d) Graphic

xx) What does typography refer to in logo design?

     a) The use of symbols and icons

     b) The selection and design of various typefaces

     c) The arrangement of elements within a logo

     d) The colour scheme used in a logo